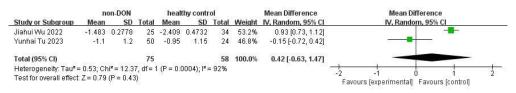
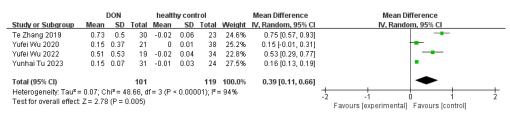


Fig S2.Forest plot of IOP between HC and non-DON



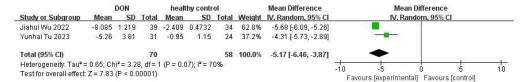
## Fig S3.Forest plot of VD-MD between HC and non-DON

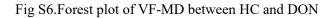




		DON		healti	ny conf	rol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
Huan Jian 2021	30.98	8.18	6	15.44	2.62	52	9.5%	15.54 [8.96, 22.12]	
Parya Abdolalizadeh 2021	22.1	5.71	21	14.26	2.17	39	17.7%	7.84 [5.30, 10.38]	
Te Zhang 2019	17.6	4.9	30	14.6	2.7	23	18.6%	3.00 [0.93, 5.07]	
Yufei Wu 2020	19	6.9	21	14.4	2.3	38	16.6%	4.60 [1.56, 7.64]	
Yufei Wu 2022	20.71	4.85	19	12.3	2.21	34	18.1%	8.41 [6.11, 10.71]	
Yunhai Tu 2023	16.77	3.85	31	14.28	1.58	24	19.5%	2.49 [0.99, 3.99]	+
Total (95% CI)			128			210	100.0%	6.20 [3.43, 8.96]	•
Heterogeneity: Tau <sup>2</sup> = 9.61;	Chi <sup>2</sup> = 37	7.24, d	f = 5 (P	< 0.000	01); l²:	= 87%		-	-20 -10 0 10 20
Test for overall effect: Z = 4.	39 (P < 0	.0001)							Favours [experimental] Favours [control]

Fig S5.Forest plot of IOP between HC and DON





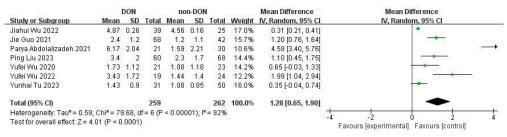
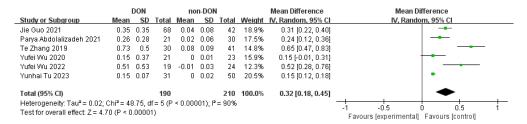
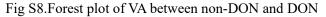


Fig S7.Forest plot of CAS between non-DON and DON





		DON		nor	1-DOI	N		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% Cl	IV, Fixed, 95% CI
Jie Guo 2021	20	3.9	68	19	4.3	42	11.5%	1.00 [-0.60, 2.60]	*
Ping Liu 2023	19.54	2.39	60	17.79	2.1	68	47.6%	1.75 [0.97, 2.53]	18 <del></del>
Yufei Wu 2020	18.58	2.38	21	17.94	1.9	23	17.9%	0.64 [-0.64, 1.92]	8 8 8
Yufei Wu 2022	17.7	3.15	20	17.38	2.5	24	10.1%	0.32 [-1.38, 2.02]	
Yunhai Tu 2023	18.85	3.5	31	17.81	3.1	50	13.0%	1.04 [-0.46, 2.54]	4 <del>0.000 (10.000)</del>
Total (95% CI)			200			207	100.0%	1.23 [0.69, 1.77]	•
Heterogeneity: Chi*=	= 3.74, df	= 4 (P	= 0.44	); I <sup>2</sup> = 09	6				
Test for overall effect	: Z = 4.45	5 (P < 1	0.0000	i)					-2 -1 U 1 2 Favours [experimental] Favours [control]

Fig S9.Forest plot of exophthalmos between non-DON and DON

	DON		no	n-DON	Q		Mean Difference	Mean Difference
Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
30.98	8.18	6	20.16	3	39	5.3%	10.82 [4.21, 17.43]	
18.8	5.6	68	17.8	5.2	42	14.0%	1.00 [-1.06, 3.06]	
22.1	5.71	21	16.63	2.65	30	12.6%	5.47 [2.85, 8.09]	
19.57	4.24	60	19.38	4.33	68	15.3%	0.19 [-1.30, 1.68]	+
17.6	4.9	30	17.6	4.9	41	13.4%	0.00 [-2.31, 2.31]	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
19	6.9	21	16.1	3.2	23	11.2%	2.90 [-0.33, 6.13]	
20.71	4.85	19	15.47	2.49	24	13.2%	5.24 [2.84, 7.64]	100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100
16.77	3.85	31	16.7	3.57	50	14.9%	0.07 [-1.61, 1.75]	
		256			317	100.0%	2.46 [0.63, 4.29]	•
Chi <sup>2</sup> = 34	4.13, d	f = 7 (P	< 0.000	01); l <sup>2</sup> =	79%		19 - 27 - 280 <sub>-</sub> 2	
63 (P = 0	.008)	38		16				-20 -10 0 10 20 Favours lexperimentall Favours (control)
	Mean 30.98 18.8 22.1 19.57 17.6 19 20.71 16.77 Chi <sup>#</sup> = 3 <sup>4</sup>	Mean         SD           30.98         8.18           18.8         5.6           22.1         5.71           19.57         4.24           17.6         4.9           19         6.9           20.71         4.85           16.77         3.85	Mean         SD         Total           30.98         8.18         6           18.8         5.6         68           22.1         5.71         21           19.57         4.24         60           17.6         4.9         30           19         6.9         21           20.71         4.85         19           16.77         3.85         31           Chi <sup>a</sup> 34.13, df = 7 (P	Mean         SD         Total         Mean           30.98         8.18         6         20.16           18.8         5.6         68         17.8           22.1         5.71         21         16.63           19.57         4.24         60         19.38           17.6         4.9         30         17.6           19         6.9         21         16.1           20.71         4.85         19         15.47           16.77         3.85         31         16.7           Chi <sup>a</sup> = 34.13, df = 7 (P < 0.000	Mean         SD         Total         Mean         SD           30.98         8.18         6         20.16         3           18.8         5.6         68         17.8         5.2           22.1         5.71         21         16.63         2.65           19.57         4.24         60         19.38         4.33           17.6         4.9         30         17.6         4.9           19         6.9         21         16.1         3.2           20.71         4.85         19         15.47         2.49           16.77         3.85         31         16.7         3.57 <b>256 Chi<sup>P</sup>=</b> 34.13, df = 7 (P ≤ 0.0001); I <sup>P</sup> =	Mean         SD         Total         Mean         SD         Total           30.98         8.18         6         20.16         3         39           18.8         5.6         68         17.8         5.2         42           22.1         5.71         21         16.63         2.65         30           19.57         4.24         60         19.38         4.33         68           17.6         4.9         30         17.6         4.9         41           19         6.9         21         16.1         3.2         23           20.71         4.85         19         15.47         2.49         24           16.77         3.85         31         16.7         3.57         50 <b>256 276</b> Chi <sup>P</sup> = 34.13, df = 7 (P < 0.0001); P = 79%	Mean         SD         Total         Mean         SD         Total         Weight           30.98         8.18         6         20.16         3         39         5.3%           18.8         5.6         68         17.8         5.2         4.2         14.0%           22.1         5.71         21         16.63         2.65         30         12.6%           19.57         4.24         60         19.38         4.33         68         15.3%           17.6         4.9         30         17.6         4.9         41         13.4%           19         6.9         21         16.1         3.2         23         11.2%           20.71         4.85         19         15.47         2.49         13.2%           16.77         3.85         31         16.7         3.57         50         14.9%           16.77         3.85         31         16.7         3.57         50         14.9%           Chi <sup>2</sup> 3 4.1.3, df = 7 (P < 0.0001), P = 79%	Mean         SD         Total         Mean         SD         Total         Weight         IV. Random, 95% CI           30.98         8.18         6         20.16         3         39         5.3%         10.82 [4.21, 17.43]           18.8         5.6         68         17.8         5.2         42         14.0%         1.00 [-1.06, 3.06]           22.1         5.71         21         16.63         2.65         30         12.6%         5.47 [2.85, 8.09]           19.57         4.24         60         19.38         4.33         68         15.3%         0.19 [-1.30, 1.68]           17.6         4.9         30         17.6         4.9         41         13.4%         0.00 [-2.31, 2.31]           19         6.9         21         16.1         3.2         23         11.2%         2.90 [-0.33, 61.3]           20.71         4.85         19         15.47         2.49         24         13.2%         5.24 [2.84, 7.64]           16.77         3.85         31         16.7         3.57         50         14.9%         0.07 [-1.61, 1.75]           Chi <sup>P</sup> = 34.13, df = 7 (P < 0.0001); P = 79%

Fig S10.Forest plot of IOP between non-DON and DON

		DON		n	on-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
Jiahui Wu 2022	-8.085	1.219	39	-1.483	0.2778	25	14.7%	-6.60 [-7.00, -6.20]	
Jie Guo 2021	-9.7	7.8	68	-1.62	1.5	42	12.7%	-8.08 [-9.99, -6.17]	
Parya Abdolalizadeh 2021	-8.93	5.56	21	-1.88	2.25	30	11.5%	-7.05 [-9.56, -4.54]	
Ping Liu 2023	-7.25	6.08	60	-2.89	1.5	68	13.3%	-4.36 [-5.94, -2.78]	1
Te Zhang 2019	-14.03	8.47	30	-4.2	3.68	41	10.1%	-9.83 [-13.06, -6.60]	
Yufei Wu 2020	-6.79	3.91	21	-0.29	0.54	23	13.2%	-6.50 [-8.19, -4.81]	
Yufei Wu 2022	-17.8	6.34	19	-0.27	1.5	24	10.7%	-17.53 [-20.44, -14.62]	
Yunhai Tu 2023	-5.26	3.81	31	-1.1	1.2	50	13.7%	-4.16 [-5.54, -2.78]	
Fotal (95% CI)			289			303	100.0%	-7.69 [-9.50, -5.88]	•
Heterogeneity: Tau <sup>2</sup> = 5.74;	Chi <sup>2</sup> = 80	05, df =	7 (P <	0.00001	); I <sup>z</sup> = 91 <sup>4</sup>	%		100 N. N.	
Test for overall effect: Z = 8.									-20 -10 0 10 20 Favours [experimental] Favours [control]

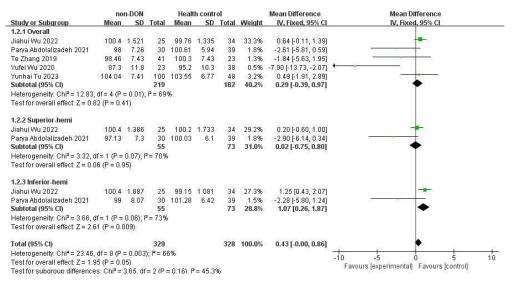
Fig S11.Forest plot of VF-MD between non-DON and DON

		DON		n	on-DON			Mean Difference		Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl		IV, Random, 95% Cl	
Jiahui Wu 2022	4.386	0.474	39	1.98	0.1513	25	21.9%	2.41 [2.25, 2.57]			
Parya Abdolalizadeh 2021	6.68	3.27	21	2.15	0.89	30	18.5%	4.53 [3.10, 5.96]			
Ping Liu 2023	4.52	3.15	60	2.47	1.69	68	20.4%	2.05 [1.16, 2.94]			
Te Zhang 2019	7.27	3.43	30	3.24	1.75	41	18.8%	4.03 [2.69, 5.37]			
Yufei Wu 2022	8.36	1.81	19	2.2	1.04	24	20.4%	6.16 [5.25, 7.07]			
Total (95% CI)			169			188	100.0%	3.80 [2.25, 5.34]		-	
Heterogeneity: Tau <sup>2</sup> = 2.84;	Chi <sup>2</sup> = 76	5.24, df	= 4 (P <	< 0.0000	01); I <sup>≠</sup> = 9	5%		8 12 12		<u> </u>	10
Test for overall effect: $Z = 4$ .	81 (P < 0	.00001)	)						-10 -5 Favours (expe	U 5 erimental] Favours (control)	10

Fig S12.Forest plot of VF-PSD between non-DON and DON

Study or Subgroup		n-DON	÷		h contr			Mean Difference	Mean Difference
d d d Or manuall	Mean	SD	Total	Mean	SD	fotal	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
1.1.1 Overall	400.70	45.00	20	110.01	40.07		0.40	170/100 1070	
Huan Jian 2021	122.79		39	118.01		52	3.4%	4.78 [-1.20, 10.76]	
Jiahui Wu 2022	104.3		25		1.401	34	10.2%	0.30 [-0.44, 1.04]	
Jie Guo 2021	97.8	9.2	42	100.3	6.3	70	6.7%	-2.50 [-5.65, 0.65]	
Parya Abdolalizadeh 2021	95.97	10	30	101.97	8.93	39	4.8%	-6.00 [-10.55, -1.45]	
Te Zhang 2019 Subtotal (95% Cl)	101.36	8.64	41 177	104.91	7.99	23 218	5.2% 30.4%	-3.55 [-7.75, 0.65] -1.51 [-4.30, 1.28]	•
Heterogeneity: Tau² = 6.57; Test for overall effect: Z = 1.1			4 (P = )	0.005); I <sup>z</sup>	= 73%				
1.1.2 Superior-hemi									
Jiahui Wu 2022	107.3	1.939	25	106.1	1.53	34	10.1%	1.20 [0.28, 2.12]	*
Parya Abdolalizadeh 2021 Subtotal (95% CI)	98.87	10.69	30 55	102.59	10.19	39 73	4.3%	-3.72 [-8.71, 1.27] -0.62 [-5.28, 4.03]	
Heterogeneity: Tau <sup>2</sup> = 8.76; Fest for overall effect: Z = 0.1			(P = 0	06); I² =	72%				
1.1.3 Inferior-hemi									
Jiahui Wu 2022	101.2	1.428	25	101.9	1.433	34	10.2%	-0.70 [-1.44, 0.04]	*
Parya Abdolalizadeh 2021		10.49	30	101.44	8.89	39	4.6%	-8.11 [-12.79, -3.43]	
Subtotal (95% CI)			55			73	14.9%	-4.03 [-11.25, 3.19]	
Heterogeneity: Tau <sup>2</sup> = 24.54	$Chi^2 = 9$	41 df=	NO-12-11-11	0.002): F	= 89%				
Test for overall effect: Z = 1.					00.0				
1.1.4 Superior									
Huan Jian 2021	149.29	18.86	39	143.06	19.51	52	2.3%	6.23 [-1.72, 14.18]	
Jie Guo 2021	120.6	16.3	42	125.4	12.3	70	3.6%	-4.80 [-10.51, 0.91]	· · · · ·
Yufei Wu 2020	90.6	13.1	23	100.8	12	38		-10.20 [-16.77, -3.63]	10
Subtotal (95% CI)			104		_	160	8.9%	-3.21 [-11.79, 5.36]	
Heterogeneity: Tau² = 45.60 Test for overall effect: Z = 0.			2 (P = )	0.007); P	= 80%				
1.1.5 Temporal									
<b>1.1.5 Temporal</b> Huan Jian 2021	81.18	8.62	39	83.1	13.54	52	4.8%	-1.92 [-6.49, 2.65]	
	81.18 72.3	8.62 14.5	39 42	83.1 71.7	13.54 9.9	52 70	4.8% 4.3%	-1.92 [-6.49, 2.65] 0.60 [-4.36, 5.56]	
Huan Jian 2021									
Huan Jian 2021 Jie Guo 2021	72.3	14.5	42	71.7	9.9	70	4.3%	0.60 [-4.36, 5.56]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020	72.3 80.6 Chi <sup>2</sup> = 4.4	14.5 11.8 5, df = 2	42 23 104	71.7 88.9	9.9 14.5	70 38	4.3% 2.9%	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1.:	72.3 80.6 Chi <sup>2</sup> = 4.4	14.5 11.8 5, df = 2	42 23 104	71.7 88.9	9.9 14.5	70 38	4.3% 2.9%	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1. <b>1.1.6 Inferior</b>	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2	14.5 11.8 5, df = 2 24)	42 23 <b>104</b> (P = 0	71.7 88.9 11); I <sup>2</sup> = 1	9.9 14.5 55%	70 38 <b>160</b>	4.3% 2.9% <b>12.1</b> %	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63] - <b>2.72 [-7.30, 1.86]</b>	•
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% C1) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1 : 1.1.6 Inferior Huan Jian 2021	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9	14.5 11.8 5, df = 2 24) 30.36	42 23 <b>104</b> (P = 0.	71.7 88.9 11); I <sup>z</sup> = 150.73	9.9 14.5 55% 21.65	70 38 <b>160</b> 52	4.3% 2.9% <b>12.1%</b> 1.3%	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63] - <b>2.72 [-7.30, 1.86]</b> 6.17 [-5.03, 17.37]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1: <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7	14.5 11.8 5, df = 2 24) 30.36 15.9	42 23 <b>104</b> (P = 0. 39 42	71.7 88.9 11); I <sup>2</sup> = 150.73 132.6	9.9 14.5 55% 21.65 12.9	70 38 <b>160</b> 52 70	4.3% 2.9% <b>12.1%</b> 1.3% 3.7%	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.58, -0.22]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.96; Test for overall effect: Z = 1. <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9	14.5 11.8 5, df = 2 24) 30.36 15.9	42 23 <b>104</b> (P = 0. 39 42 23	71.7 88.9 11); I <sup>z</sup> = 150.73	9.9 14.5 55% 21.65	70 38 <b>160</b> 52 70 38	4.3% 2.9% <b>12.1%</b> 1.3% 3.7% 3.0%	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63] - <b>2.72 [-7.30, 1.86]</b> 8.17 [-5.03, 17.37] -5.90 [-11.58, -0.22] -8.90 [-15.49, -2.31]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% C1) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1 : 1.1.6 Inferior Huan Jian 2021	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 i; Chi <sup>2</sup> = 5.	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df =	42 23 <b>104</b> (P = 0. 39 42 23 <b>104</b>	71.7 88.9 11); I <sup>z</sup> = 150.73 132.6 101.6	9.9 14.5 55% 21.65 12.9 13.1	70 38 <b>160</b> 52 70	4.3% 2.9% <b>12.1%</b> 1.3% 3.7%	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.58, -0.22]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1 : <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 22.65	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 i; Chi <sup>2</sup> = 5.	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df =	42 23 <b>104</b> (P = 0. 39 42 23 <b>104</b>	71.7 88.9 11); I <sup>z</sup> = 150.73 132.6 101.6	9.9 14.5 55% 21.65 12.9 13.1	70 38 <b>160</b> 52 70 38	4.3% 2.9% <b>12.1%</b> 1.3% 3.7% 3.0%	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63] - <b>2.72 [-7.30, 1.86]</b> 8.17 [-5.03, 17.37] -5.90 [-11.58, -0.22] -8.90 [-15.49, -2.31]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1 : 1.1.6 Inferior Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 22.65 Test for overall effect: Z = 1 : 1.1.7 Nasal	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 i; Chi <sup>2</sup> = 5. 21 (P = 0.2	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df = 23)	42 23 <b>104</b> (P = 0. 39 42 23 <b>104</b> 2 (P = 1	71.7 88.9 11); I <sup>a</sup> = 1 150.73 132.6 101.6 0.07); I <sup>a</sup> =	9.9 14.5 55% 21.65 12.9 13.1 62%	70 38 <b>160</b> 52 70 38 <b>160</b>	4.3% 2.9% 12.1% 1.3% 3.7% 3.0% 7.9%	0.60 [-4.36, 5.66] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.58, -0.22] -8.90 [-15.49, -2.31] -4.27 [-11.21, 2.67]	
Huan Jian 2021 Jie Guo 2021 Yufei Vu 2020 Subtotal (95% CI) Heterogeneily: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1: <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Yufei Vu 2020 Subtotal (95% CI) Heterogeneily: Tau <sup>2</sup> = 22.65 Test for overall effect: Z = 1: <b>1.1.7 Nasal</b> Huan Jian 2021	72.3 80.6 Chi <sup>#</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 i; Chi <sup>#</sup> = 5. 21 (P = 0.2 104.18	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df = 23) 19.04	42 23 <b>104</b> (P = 0. 39 42 23 <b>104</b> 2 (P = 1 39	71.7 88.9 11); I <sup>2</sup> = 1 150.73 132.6 101.6 0.07); I <sup>2</sup> = 94.1	9.9 14.5 55% 21.65 12.9 13.1 62% 19.89	70 38 <b>160</b> 52 70 38 <b>160</b> 52	4.3% 2.9% 12.1% 1.3% 3.7% 3.0% <b>7.9</b> % 2.2%	0.60 [-4.36, 5.56] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.58, -0.22] -8.90 [-15.49, -2.31] -4.27 [-11.21, 2.67]	
Huan Jian 2021 Jie Guo 2021 Yufei Vu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1: <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 22.66 Test for overall effect: Z = 1.: <b>1.1.7 Nasal</b> Huan Jian 2021 Jie Guo 2021	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 i; Chi <sup>2</sup> = 5. 21 (P = 0.2 104.18 68.7	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df = 23) 19.04 9.4	42 23 <b>104</b> (P = 0. 39 42 23 <b>104</b> 2 (P = 1 39 42	71.7 88.9 11); I <sup>2</sup> = 1 150.73 132.6 101.6 0.07); I <sup>2</sup> = 94.1 71.4	9.9 14.5 55% 21.65 12.9 13.1 62% 19.89 8.6	70 38 <b>160</b> 52 70 38 <b>160</b> 52 70	4.3% 2.9% 12.1% 1.3% 3.7% 3.0% 7.9% 2.2% 6.2%	0.60 [-4.36, 5.66] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.58, -0.22] -8.90 [-15.49, -2.31] -4.27 [-11.21, 2.67]	
Huan Jian 2021 Jie Guo 2021 Yufei Vu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1 : <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 22.65 Test for overall effect: Z = 1 : <b>1.1.7 Nasal</b> Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020	72.3 80.6 Chi <sup>#</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 i; Chi <sup>#</sup> = 5. 21 (P = 0.2 104.18	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df = 23) 19.04	42 23 <b>104</b> (P = 0. 39 42 23 <b>104</b> 2 (P = 1 39 42 23	71.7 88.9 11); I <sup>2</sup> = 1 150.73 132.6 101.6 0.07); I <sup>2</sup> = 94.1	9.9 14.5 55% 21.65 12.9 13.1 62% 19.89	70 38 <b>160</b> 52 70 38 <b>160</b> 52 70 38	4.3% 2.9% 12.1% 1.3% 3.7% 3.0% 7.9% 2.2% 6.2% 3.0%	0.60 [-4.36, 5.66] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.68, -0.22] -8.90 [-15.49, -2.31] -4.27 [-11.21, 2.67] 10.08 [2.02, 18.14] -2.70 [-6.18, 0.78] -11.10 [-17.62, -4.58]	
Huan Jian 2021 Jie Guo 2021 Yufei Vu 2020 Subtotal (95% CI) Heterogeneily: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1: <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Yufei Vu 2020 Subtotal (95% CI) Heterogeneily: Tau <sup>2</sup> = 22.65 Test for overall effect: Z = 1: <b>1.1.7 Nasal</b> Huan Jian 2021	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 5; Chi <sup>2</sup> = 5. 21 (P = 0.2 104.18 68.7 83.1 ; Chi <sup>2</sup> = 16	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df = 23) 19.04 9.4 12.2 5.04, df =	42 23 104 (P = 0. 39 42 23 104 2 (P = 1 39 42 23 104	71.7 88.9 11); I <sup>≠</sup> = 150.73 132.6 101.6 0.07); I <sup>≠</sup> = 94.1 71.4 94.2	9.9 14.5 55% 21.65 12.9 13.1 62% 19.89 8.6 13.2	70 38 160 52 70 38 160 52 70 38 160	4.3% 2.9% 12.1% 1.3% 3.7% 3.0% 7.9% 2.2% 6.2%	0.60 [-4.36, 5.66] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.58, -0.22] -8.90 [-15.49, -2.31] -4.27 [-11.21, 2.67]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1: <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 22.65 Test for overall effect: Z = 1: <b>1.1.7 Nasal</b> Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 62.11 Test for overall effect: Z = 0.	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 5; Chi <sup>2</sup> = 5. 21 (P = 0.2 104.18 68.7 83.1 ; Chi <sup>2</sup> = 16	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df = 23) 19.04 9.4 12.2 5.04, df =	42 23 104 (P = 0. 39 42 23 104 2 (P = 1 39 42 23 104 2 (P = 1 104 = 2 (P =	71.7 88.9 11); I <sup>≠</sup> = 150.73 132.6 101.6 0.07); I <sup>≠</sup> = 94.1 71.4 94.2	9.9 14.5 55% 21.65 12.9 13.1 62% 19.89 8.6 13.2	70 38 160 52 70 38 160 52 70 38 160 %	4.3% 2.9% 12.1% 1.3% 3.7% 3.0% 7.9% 2.2% 6.2% 3.0% 11.4%	0.60 [-4.36, 5.66] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.58, -0.22] -8.90 [-15.49, -2.31] -4.27 [-11.21, 2.67] 10.08 [2.02, 18.14] -2.70 [-6.18, 0.78] -11.10 [-17.62, -4.58] -157 [-11.18, 8.03]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1: <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 22.66 Test for overall effect: Z = 1: <b>1.1.7 Masal</b> Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 62.11 Test for overall effect: Z = 0: Total (95% CI)	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 i; Chi <sup>2</sup> = 5. 21 (P = 0.2 104.18 68.7 83.1 ; Chi <sup>2</sup> = 16 32 (P = 0.7	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df = 23) 19.04 9.4 12.2 5,04, df = 75)	42 23 104 (P = 0. 39 42 23 104 2 (P = 1 39 42 23 104 = 2 (P = 703	71.7 88.9 11); I <sup>2</sup> = - 150.73 132.6 101.6 0.07); I <sup>2</sup> = 94.1 71.4 94.2 • 0.0003)	9.9 14.5 555% 21.65 12.9 13.1 62% 19.89 8.6 13.2 ; I <sup>≠</sup> = 88	70 38 160 52 70 38 160 52 70 38 160 %	4.3% 2.9% 12.1% 1.3% 3.7% 3.0% 7.9% 2.2% 6.2% 3.0%	0.60 [-4.36, 5.66] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.68, -0.22] -8.90 [-15.49, -2.31] -4.27 [-11.21, 2.67] 10.08 [2.02, 18.14] -2.70 [-6.18, 0.78] -11.10 [-17.62, -4.58]	
Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 8.98; Test for overall effect: Z = 1: <b>1.1.6 Inferior</b> Huan Jian 2021 Jie Guo 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 22.65 Test for overall effect: Z = 1: <b>1.1.7 Nasal</b> Huan Jian 2021 Jie Guo 2021 Yufei Wu 2020 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 62.11 Test for overall effect: Z = 0.	72.3 80.6 Chi <sup>2</sup> = 4.4 16 (P = 0.2 156.9 126.7 92.7 5; Chi <sup>2</sup> = 5. 21 (P = 0.2 104.18 68.7 83.1 ; Chi <sup>2</sup> = 16 32 (P = 0.7 Chi <sup>2</sup> = 89.	14.5 11.8 5, df = 2 24) 30.36 15.9 12.5 21, df = 23) 19.04 9.4 12.2 6.04, df = 54, df =	42 23 104 (P = 0. 39 42 23 104 2 (P = 1 39 42 23 104 = 2 (P = 703	71.7 88.9 11); I <sup>2</sup> = - 150.73 132.6 101.6 0.07); I <sup>2</sup> = 94.1 71.4 94.2 • 0.0003)	9.9 14.5 555% 21.65 12.9 13.1 62% 19.89 8.6 13.2 ; I <sup>≠</sup> = 88	70 38 160 52 70 38 160 52 70 38 160 %	4.3% 2.9% 12.1% 1.3% 3.7% 3.0% 7.9% 2.2% 6.2% 3.0% 11.4%	0.60 [-4.36, 5.66] -8.30 [-14.97, -1.63] -2.72 [-7.30, 1.86] 6.17 [-5.03, 17.37] -5.90 [-11.58, -0.22] -8.90 [-15.49, -2.31] -4.27 [-11.21, 2.67] 10.08 [2.02, 18.14] -2.70 [-6.18, 0.78] -11.10 [-17.62, -4.58] -157 [-11.18, 8.03]	-20 -10 0 10 20 Favours [experimental] Favours [control]

Fig S13.Forest plot of PRNFL between HC and non-DON in OCT





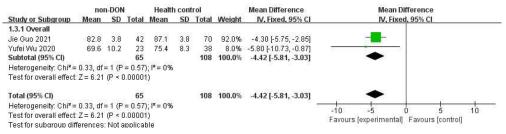


Fig S15.Forest plot of GCL+IPL between HC and non-DON in OCT

		DON	÷		h contro			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	rotal	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
2.1.1 Overall	196 18	1012123	32	1002100	NECTOR:	1973	2012/201		
Huan Jian 2021		15.81		118.01		52	2.7%	-54.54 [-67.68, -41.40]	
Jiahui Wu 2022		4.771	39	104	1.401	34	3.9%	11.70 [10.13, 13.27]	•
Jie Guo 2021	110.6		68	100.3	6.3	70	3.3%	10.30 [2.04, 18.56]	
Kyung-Ah Park 2016	101	11	30	96	8	94	3.7%	5.00 [0.74, 9.26]	
Kyung-Ah Park 2018	97	10	20	97	8	94	3.7%	0.00 [-4.67, 4.67]	100
Parya Abdolalizadeh 2021	98.86	26.13	21	101.97	8.93	39	2.9%	-3.11 [-14.63, 8.41]	- 52 - 52
Te Zhang 2019	98.3	10.77	30	104.91	7.99	23	3.7%	-6.61 [-11.66, -1.56]	
Subtotal (95% CI)			214			406	23.9%	-3.90 [-13.22, 5.43]	•
Heterogeneity: Tau² = 143.4 Test for overall effect: Z = 0.1			df=6(	P < 0.000	101); I² =	96%			
2.1.2 Superior-hemi									
Jiahui Wu 2022	120.2	5.219	39	106.1	1.53	34	3.9%	14.10 [12.38, 15.82]	
Parya Abdolalizadeh 2021	101.29		21		10.19	39	2.8%	-1.30 [-13.61, 11.01]	
Subtotal (95% CI)	101.23	27.0	60	102.00	10,13	73	6.7%	7.66 [-7.23, 22.55]	-
Heterogeneity: Tau <sup>2</sup> = 98.46	chiz- E	00 df=		0.001-18-	0.204	15	0.770	1.00 [-1.23, 22.33]	
Test for overall effect: Z = 1.1			1 (P =	0.02), 17=	83%				
2.1.3 Inferior-hemi									
Jiahui Wu 2022	111.2	4.465	39		1.433	34	3.9%	9.30 [7.82, 10.78]	1.00
Parya Abdolalizadeh 2021	95.47	24.39	21	101.44	8.89	39	3.0%	-5.97 [-16.77, 4.83]	10 m m
Subtotal (95% CI)			60			73	6.9%	2.64 [-12.20, 17.48]	•
Heterogeneity: Tau² = 101.1 Test for overall effect: Z = 0.3			= 1 (P =	: 0.006);	²= 87%				
2.1.4 Superior									
Huan Jian 2021	66.4	26.29	6	143.06	19.51	52	1.8%	-76.66 [-98.35, -54.97]	10
Jie Guo 2021	137.2		68	125.4	12.3	70	2.8%	11.80 [-0.45, 24.05]	
Kyung-Ah Park 2016	125	22	30	118	14	94	3.3%	7.00 [-1.37, 15.37]	
Kyung-Ah Park 2018	120	24	20	118	14	94	3.0%	2.00 [-8.89, 12.89]	
Yufei Wu 2020	87.2	15	21	100.8	12	19	3.3%	-13.60 [-21.98, -5.22]	
Subtotal (95% CI)	07.2	1.10	145	100.0	12	329	14.2%	-11.78 [-31.11, 7.55]	
Heterogeneity: Tau <sup>2</sup> = 443.3 Test for overall effect: Z = 1.1				< 0.0000	11); l² = 9		1412.10	-1110 [-0111,1100]	
	15 (1 - 0.	207							
2.1.5 Temporal	120720	1211221	32	252	102720	1972	20220	20122-0020-022-01220	
Huan Jian 2021		24.86	6		13.54	52	1.9%	-20.93 [-41.16, -0.70]	
Jie Guo 2021	78.1	21.7	68	71.7	9.9	70	3.6%	6.40 [0.74, 12.06]	
Kyung-Ah Park 2016	76	8	30	73	12	94	3.8%	3.00 [-0.75, 6.75]	
Kyung-Ah Park 2018	76	10	20	73	12	94	3.7%	3.00 [-2.01, 8.01]	
Yufei Wu 2020	78	11.9	21	88.9	14.5	19	3.3%	-10.90 [-19.17, -2.63]	The second se
Subtotal (95% CI)			145			329	16.2%	-0.42 [-6.35, 5.51]	•
Heterogeneity: Tau <sup>2</sup> = 30.83 Test for overall effect: Z = 0.1			= 4 (P =	= 0.002);	²=77%				
2.1.6 Inferior	20	80							
	70.07	25.05	1	150 70	04.05	<b>F a</b>	4 001	00.001400.00 7047	
Huan Jian 2021		25.05		150.73		52		-80.06 [-100.95, -59.17]	su (a) (3)
Jie Guo 2021	147.2		68	132.6	12.9	70	2.8%	14.60 [2.27, 26.93]	
Kyung-Ah Park 2016	130	18	30	124	15	94	3.5%	6.00 [-1.12, 13.12]	1000
	125	18	20	124	15	94	3.3%	1.00 [-7.45, 9.45]	
Kyung-Ah Park 2018		14	21	101.6	13.1	19	3.3%	-11.50 [-19.90, -3.10]	<u> </u>
Yufei Wu 2020	90.1		145			329	14.7%	-11.73 [-30.35, 6.90]	-
Yufei Wu 2020 Subtotal (95% CI)									
Kyung-An Park 2018 Yufei Wu 2020 <b>Subtotal (95% CI)</b> Heterogeneity: Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.:	4; Chi² =	70.85, d		< 0.0000	11); I² = 9	4%			
Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.:	4; Chi² =	70.85, d		× 0.0000	I1); I²= 9	4%			
Yufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.3 2 <b>.1.7 Nasal</b>	i4; Chi² = 23 (P = 0.	70.85, d 22)	f= 4 (P		100403410		3 206	-41 10 1-49 72 -32 491	<u> </u>
Yufel Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.3 2 <b>.1.7 Nasal</b> Huan Jian 2021	i4; Chi² = 23 (P = 0. 53	70.85, d 22) 9.06	f= 4 (P 6	94.1	19.89	70	3.3%	-41.10 [-49.72, -32.48]	-
Yufel Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.: 2 <b>.1.7 Nasal</b> Huan Jian 2021 Jie Guo 2021	i4; Chi² = 23 (P = 0. 53 80.1	70.85, d 22) 9.06 28.6	f= 4 (P 6 68	94.1 71.4	19.89 8.6	70 94	3.5%	8.70 [1.68, 15.72]	
vurei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.3 2 <b>.1.7 Nasal</b> Huan Jian 2021 Jie Guo 2021 Kyung-Ah Park 2016	4; Chi² = 23 (P = 0. 53 80.1 69	70.85, d 22) 9.06 28.6 9	f= 4 (P 6 68 30	94.1 71.4 69	19.89 8.6 12	70 94 94	3.5% 3.7%	8.70 [1.68, 15.72] 0.00 [-4.03, 4.03]	+ +
Yufei Wu 2020 Subtotal (95% CI) Heterogeneik; Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.: 2.1.7 Nasal Huan Jian 2021 Jie Guo 2021 Kyung-Ah Park 2016 Kyung-Ah Park 2018	4; Chi² = 23 (P = 0. 53 80.1 69 73	70.85, d 22) 9.06 28.6 9 11	f= 4 (P 6 68 30 20	94.1 71.4 69 69	19.89 8.6 12 12	70 94 94 19	3.5% 3.7% 3.4%	8.70 [1.68, 15.72] 0.00 [-4.03, 4.03] 4.00 [-3.24, 11.24]	
Yufei Wu 2020 Subtotal (95% CI) Heterogeneity, Tau <sup>*</sup> = 413.6 Test for overall effect: Z = 1. 2.1.7 Nasal Huan Jian 2021 Jie Guo 2021 Kyung-Ah Park 2018 Kyung-Ah Park 2018 Yufei Wu 2020	4; Chi² = 23 (P = 0. 53 80.1 69	70.85, d 22) 9.06 28.6 9 11	f= 4 (P 6 68 30 20 21	94.1 71.4 69	19.89 8.6 12	70 94 94 19 76	3.5% 3.7% 3.4% 3.5%	8.70 [1.68, 15.72] 0.00 [-4.03, 4.03] 4.00 [-3.24, 11.24] -12.80 [-19.18, -6.42]	
Yufei Wu 2020 Subtotal (95% CI) Heterogeneik; Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.: 2.1.7 Nasal Huan Jian 2021 Jie Guo 2021 Kyung-Ah Park 2016 Kyung-Ah Park 2018	4; Chi² = 23 (P = 0. 53 80.1 69 73 81.4	70.85, d 22) 9.06 28.6 9 11 13.2	f= 4 (P 6 68 30 20 21 <b>145</b>	94.1 71.4 69 94.2	19.89 8.6 12 12 13.2	70 94 94 19 76 <b>353</b>	3.5% 3.7% 3.4%	8.70 [1.68, 15.72] 0.00 [-4.03, 4.03] 4.00 [-3.24, 11.24]	  
Yufel Wu 2020 Subtotal (95% CI) Heterogeneik; Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.3 2.1.7 Nasal Huan Jian 2021 Jie Guo 2021 Kyung-Ah Park 2016 Kyung-Ah Park 2018 Yufel Wu 2020 Subtotal (95% CI) Heterogeneiky: Tau <sup>2</sup> = 247.3	i4; Chi² = 23 (P = 0. 53 80.1 69 73 81.4 1; Chi² =	70.85, d 22) 9.06 28.6 9 11 13.2 39.48, d	f= 4 (P 6 68 30 20 21 <b>145</b>	94.1 71.4 69 94.2	19.89 8.6 12 12 13.2	70 94 94 19 76 <b>353</b>	3.5% 3.7% 3.4% 3.5%	8.70 [1.68, 15.72] 0.00 [-4.03, 4.03] 4.00 [-3.24, 11.24] -12.80 [-19.18, -6.42]	  
Yufei Wu 2020 Subtotal (95% CI) Heterogeneik; Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.: 2.1.7 Nasal Huan Jian 2021 Jie Guo 2021 Kyung-Ah Park 2016 Kyung-Ah Park 2018 Yufei Wu 2020 Subtotal (95% CI)	i4; Chi² = 23 (P = 0. 53 80.1 69 73 81.4 1; Chi² =	70.85, d 22) 9.06 28.6 9 11 13.2 39.48, d	f= 4 (P 6 68 30 20 21 <b>145</b>	94.1 71.4 69 94.2	19.89 8.6 12 12 13.2	70 94 19 76 <b>353</b> 6%	3.5% 3.7% 3.4% 3.5% <b>17.4</b> %	8.70 [1.68, 15.72] 0.00 [4.03, 4.03] 4.00 [-3.24, 11.24] -12.80 [-19.18, 6.42] -8.04 [-22.15, 6.08]	+ +
Yufei Wu 2020 Subtotal (95% CI) Heterogeneik; Tau <sup>2</sup> = 413.6 Test for overall effect: Z = 1.: 2.1.7 Nasal Huan Jian 2021 Jie Guo 2021 Kyung-Ah Park 2016 Kyung-Ah Park 2016 Kyung-Ah Park 2018 Yufei Wu 2020 Subtotal (95% CI) Heterogeneiky: Tau <sup>2</sup> = 247.3 Test for overall effect: Z = 1.: Total (95% CI)	i4; Chi <sup>≠</sup> = 0. 23 (P = 0. 53 80.1 69 73 81.4 11; Chi <sup>≠</sup> = 12 (P = 0.	70.85, d 22) 9.06 28.6 9 11 13.2 39.48, d 26)	f = 4 (P 6 68 30 20 21 145 f = 4 (P 914	94.1 71.4 69 69 94.2 < 0.0000	19.89 8.6 12 12 13.2 11); I <sup>z</sup> = 9	70 94 19 76 <b>353</b> 6%	3.5% 3.7% 3.4% 3.5%	8.70 [1.68, 15.72] 0.00 [-4.03, 4.03] 4.00 [-3.24, 11.24] -12.80 [-19.18, -6.42]	+ + +
	i4; Chi <sup>₽</sup> = 0. 53 80.1 69 73 81.4 11; Chi <sup>₽</sup> = 12 (P = 0. 16; Chi <sup>₽</sup> =	70.85, d 22) 9.06 28.6 9 11 13.2 39.48, d 26) 613.29,	f = 4 (P 6 68 30 20 21 145 f = 4 (P 914	94.1 71.4 69 69 94.2 < 0.0000	19.89 8.6 12 12 13.2 11); I <sup>z</sup> = 9	70 94 19 76 <b>353</b> 6%	3.5% 3.7% 3.4% 3.5% <b>17.4</b> %	8.70 [1.68, 15.72] 0.00 [4.03, 4.03] 4.00 [-3.24, 11.24] -12.80 [-19.18, 6.42] -8.04 [-22.15, 6.08]	-100 -50 0 50 Favours [control]

Fig S16.Forest plot of PRNFL between HC and DON in OCT

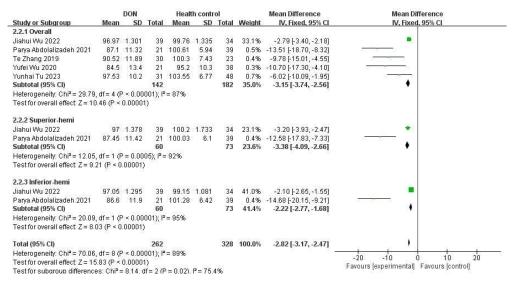


Fig S17.Forest plot of MGGCL between HC and DON in OCT

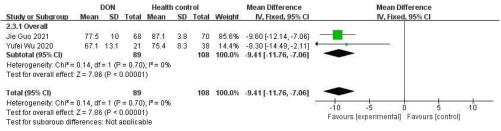


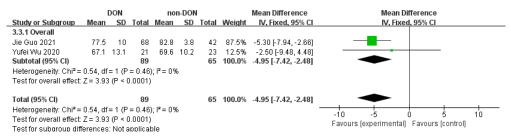
Fig S18.Forest plot of GCL+IPL between HC and DON in OCT

Study or Cubaroun		DON	Tatal		n-DON	Tatal	Moint	Mean Difference	Mean Difference
Study or Subgroup	Mean	50	Total	Mean	50	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
.1.1 Overall									
gnieszka 2022	95.7	5.9	8	108.2	9.6	39	4.8%	-12.50 [-17.58, -7.42]	
luan Jian 2021	63.47	15.81	6	122.79	15.33	39	3.7%	-59.32 [-72.85, -45.79]	
iahui Wu 2022	115.7	4.771	39	104.3	1.459	25	5.0%	11.40 [9.80, 13.00]	*
ie Guo 2021	110.6	34.2	68	97.8	9.2	42	4.4%	12.80 [4.21, 21.39]	
arya Abdolalizadeh 2021		26.13	21	95.97	10	30	4.0%	2.89 [-8.84, 14.62]	
e Zhang 2019		10.77	30	101.36	8.64	41	4.9%	-3.06 [-7.73, 1.61]	
	90.5	10.77	172	101.30	0.04	216	26.9%		
Subtotal (95% CI)	1 202 1		10000		23.2		20.9%	-7.06 [-20.52, 6.41]	
leterogeneity: Tau² = 264.7 'est for overall effect: Z = 1.0			df = 5 (I	P < 0.000	101); I*=	97%			
8.1.2 Superior-hemi									
Agnieszka 2022	98.2	21.4	8	107	10.2	39	3.5%	-8.80 [-23.97, 6.37]	
liahui Wu 2022	120.2	5.219	39	107.3	1.939	25	5.0%	12.90 [11.09, 14.71]	
arva Abdolalizadeh 2021	101.29	27.8	21	98.87	10.69	30	3.9%	2.42 [-10.07, 14.91]	
Subtotal (95% CI)		-	68		-	94	12.4%	3.84 [-9.14, 16.81]	•
leterogeneity: Tau <sup>2</sup> = 102.4	6: Chi <sup>2</sup> = 1	10.25 d		= 0.006)	$ ^2 = 80^{\circ}$			8 8 88	
est for overall effect: Z = 0.5			1 - 2 ()	- 0.0007	1 - 00	,0			
.1.3 Inferior-hemi									
Agnieszka 2022	100.4	14.7	8	109.4	11.8	39	4.1%	-9.00 [-19.84, 1.84]	And the second second
iahui Wu 2022	111.2	4.465	39	101.2	1.428	25	5.1%	10.00 [8.49, 11.51]	1
arya Abdolalizadeh 2021	95.47	24.39	21	93.33	10.49	30	4.1%	2.14 [-8.95, 13.23]	
Subtotal (95% CI)			68			94	13.3%	1.93 [-9.93, 13.79]	•
leterogeneity: Tau² = 90.88 est for overall effect: Z = 0.3			= 2 (P =	0.001);	r = 85%			a a a	
.1.4 Superior									
luan Jian 2021	66.4	26.29	6	149.29	18.86	39	2.6%	-82.89 [-104.74, -61.04]	
ie Guo 2021	137.2		68	120.6	16.3	42	3.8%	16.60 [3.71, 29.49]	
'ufei Wu 2020	87.2	15	21	90.6	13.1	23	4.5%	-3.40 [-11.76, 4.96]	
Subtotal (95% CI)	07.2		95	30.0	10.1	104	10.9%	-21.96 [-63.83, 19.90]	
Heterogeneity: Tau² = 1308. Test for overall effect: Z = 1.0				° < 0.000	101); l²=		10.570	-21.30[-03.03, 13.30]	
6.1.5 Temporal									
Huan Jian 2021	62.17	24.86	6	81.18	8.62	39	2.8%	-19.01 [-39.08, 1.06]	
ie Guo 2021	78.1	21.7	68	72.3	14.5	42	4.7%	5.80 [-0.97, 12.57]	
'ufei Wu 2020	78	11.9	21	80.6	11.8	23	4.6%	-2.60 [-9.61, 4.41]	
Subtotal (95% CI)			95			104	12.1%	-1.83 [-11.83, 8.16]	•
Heterogeneity: Tau² = 50.13 Test for overall effect: Z = 0.3			2 (P =	0.03); l² =	70%			a a ca	
8.1.6 Inferior									
		25.05	6	156.9	30.36	39		-86.23 [-108.42, -64.04]	
luan Jian 2021	147.2	50.3	68	126.7	15.9	42	3.8%	20.50 [7.61, 33.39]	3 <del>1 - 201</del> -20
	147.2		21	92.7	12.5	23	4.5%	-2.60 [-10.47, 5.27]	
ie Guo 2021	90.1	14			-	104	10.9%	-21.48 [-65.23, 22.26]	
ie Guo 2021 'ufei Wu 2020		14	95					2 C C	
ie Guo 2021 ′ufei Wu 2020 <b>Jubtotal (95% CI)</b> Heterogeneity: Tau <sup>z</sup> = 1433.	90.1 68; Chi <sup>z</sup> =	66.74,	100000000	° < 0.000	101); l²=	97%			
ie Guo 2021 'ufei Wu 2020 'ubtotal (95% CI) leterogeneity: Tauª = 1433. 'est for overall effect: Z = 0.9	90.1 68; Chi <sup>z</sup> =	66.74,	100000000	° < 0.000	101); I² =	97%			
ie Guo 2021 'ufei Wu 2020 'ubtotal (95% Cl) leterogeneity: Tau <sup>2</sup> = 1433. 'est for overall effect: Z = 0.9 <b>: 1.7 Nasal</b>	90.1 68; Chi <sup>#</sup> = 96 (P = 0.3	66.74, 34)	df = 2 (				1 204	.51 18 L60 57 _44 701	-
ie Guo 2021 tufei Wu 2020 iubitotal (95% CI) leterogeneify: Tau <sup>2</sup> = 1433, 'est for overall effect: Z = 0.9 . <b>1.7 Nasal</b> Iuan Jian 2021	90.1 68; Chi² = 36 (P = 0.3 53	66.74, 34) 9.06	df = 2 (l	104.18	19.04	39	4.3%	-51.18 [-60.57, -41.79]	
ie Guo 2021 tufei Wu 2020 tubtotal (95% CI) leterogeneih: Tau <sup>2</sup> = 1433. est for overall effect: Z = 0.9 <b>.1.7 Nasal</b> tuan Jian 2021 ie Guo 2021	90.1 68; Chi <sup>z</sup> = 96 (P = 0.3 53 80.1	66.74, 34) 9.06 28.6	df = 2 (1 6 68	104.18 68.7	19.04 9.4	39 42	4.6%	11.40 [4.03, 18.77]	-
ie Guo 2021 urfei Wu 2020 uufei Wu 2020 uutotati (95% C1) leterogeneihy: Tau <sup>2</sup> = 1433, est for overall effect: Z = 0.9 .1.7 Nasal uan Jian 2021 ufai Mu 2020	90.1 68; Chi² = 36 (P = 0.3 53	66.74, 34) 9.06	df = 2 (1 6 68 21	104.18	19.04	39 42 23	4.6% 4.6%	11.40 [4.03, 18.77] -1.70 [-9.23, 5.83]	÷
ie Guo 2021 vrei Wu 2020 vutotati (95% C1) ieterogeneity: Tau <sup>22</sup> = 1433; iest for overall effect: Z = 0.9; <b>1.7 Nasai</b> vuan Jian 2021 ie Guo 2021 vrfei Wu 2020 vutotati (95% C1)	90.1 68; Chi² = 96 (P = 0.3 53 80.1 81.4	66.74, 34) 9.06 28.6 13.2	df = 2 (1 6 68 21 95	104.18 68.7 83.1	19.04 9.4 12.2	39 42 23 <b>104</b>	4.6%	11.40 [4.03, 18.77]	-
Huan Jian 2021         lie Guo 2021         Videi Wu 2020         Subtotal (95% CI)         eletrogeneihy: Tau <sup>2</sup> = 1433.         rest for overall effect: Z = 0.5         L.7 Nasal         Huan Jian 2021         Guo 2021         Videi Wu 2020         Subtotal (95% CI)         Jeterogeneihy: Tau <sup>2</sup> = 912.1         rest for overall effect: Z = 0.2	90.1 68; Chi <sup>#</sup> = 96 (P = 0.3 53 80.1 81.4 1; Chi <sup>#</sup> = 1	66.74, 34) 9.06 28.6 13.2 110.43,	df = 2 (1 6 68 21 95	104.18 68.7 83.1	19.04 9.4 12.2	39 42 23 <b>104</b>	4.6% 4.6%	11.40 [4.03, 18.77] -1.70 [-9.23, 5.83]	-
lie Guo 2021 'ufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1433. 'est for overall effect: Z = 0.9 <b>5.1.7 Nasal</b> Juan Jian 2021 lie Guo 2021 'ufei Wu 2020 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 912.1 'est for overall effect: Z = 0.7	90.1 68; Chi <sup>#</sup> = 96 (P = 0.3 53 80.1 81.4 1; Chi <sup>#</sup> = 1	66.74, 34) 9.06 28.6 13.2 110.43,	6 68 21 95 df = 2 (1	104.18 68.7 83.1	19.04 9.4 12.2	39 42 23 <b>104</b> 98%	4.6% 4.6% 13.5%	11.40 (4.03, 18.77) -1.70 [-9.23, 5.83] - <b>13.71 [-48.21, 20.79]</b>	
ie Guo 2021 'ufei Wu 2020 Jubtotal (95% C1) leterogeneity: Tau <sup>2</sup> = 1433. 'est for overall effect: Z = 0.9 <b>1.1.7 Nasal</b> luan Jian 2021 ie Guo 2021 'ufei Wu 2020 Jubtotal (95% C1) leterogeneity: Tau <sup>2</sup> = 912.1 'est for overall effect: Z = 0.7 'otal (95% C1)	90.1 68; Chi <sup>#</sup> = 66 (P = 0.3 80.1 81.4 1; Chi <sup>#</sup> = 1 '8 (P = 0.4	66.74, 34) 9.06 28.6 13.2 110.43, 44)	df = 2 (1 6 68 21 95 df = 2 (1 688	104.18 68.7 83.1 <sup>-</sup> < 0.000	19.04 9.4 12.2 101); F=	39 42 23 104 98% 820	4.6% 4.6%	11.40 [4.03, 18.77] -1.70 [-9.23, 5.83]	
ie Guo 2021 vrfei Wu 2020 vuthotal (95% C1) leterogeneity: Tau <sup>2</sup> = 1433; est for overall effect: Z = 0.9; <b>1.7 Nasal</b> vuan Jian 2021 ie Guo 2021 vrfei Wu 2020 vuthotal (95% C1) leterogeneity: Tau <sup>2</sup> = 912.1 est for overall effect: Z = 0.3	90.1 68; Chi <sup>#</sup> = 66 (P = 0.3 80.1 81.4 1; Chi <sup>#</sup> = 1 8 (P = 0.4 4; Chi <sup>#</sup> = 1	66.74, 34) 9.06 28.6 13.2 110.43, 14) 580.28,	df = 2 (1 6 68 21 95 df = 2 (1 688	104.18 68.7 83.1 <sup>-</sup> < 0.000	19.04 9.4 12.2 101); F=	39 42 23 104 98% 820	4.6% 4.6% 13.5%	11.40 (4.03, 18.77) -1.70 [-9.23, 5.83] - <b>13.71 [-48.21, 20.79]</b>	-100 -50 0 50

Fig S19.Forest plot of PRNFL between non-DON and DON in OCT

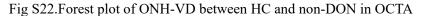
		DON		no	n-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
3.2.1 Overall									
Agnieszka 2022	83.8	7.9	8	99.3	17.2	39	2.9%	-15.50 [-23.19, -7.81]	
Jiahui Wu 2022	96.97	1.301	39	100.4	1.521	25	19.7%	-3.43 [-4.15, -2.71]	
Parya Abdolalizadeh 2021	87.1	11.32	21	98	7.26	30	5.0%	-10.90 [-16.39, -5.41]	
Te Zhang 2019	90.52	11.89	30	98.46	7.43	41	6.0%	-7.94 [-12.76, -3.12]	
Yufei Wu 2020	84.5	13.4	21	87.3	11.8	23	3.0%	-2.80 [-10.29, 4.69]	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Yunhai Tu 2023	97.53	10.2	31	104.04	7.41	50	7.4%	-6.51 [-10.65, -2.37]	
Subtotal (95% CI)			150			208	43.9%	-7.27 [-10.80, -3.74]	•
Heterogeneity: Tau <sup>2</sup> = 12.84	1; Chi <sup>2</sup> = 3	20.86, d	f= 5 (P	= 0.0009	3); I <sup>2</sup> = 71	6%			
Test for overall effect: Z = 4.	03 (P < 0	1.0001)	2						
3.2.2 Superior-hemi									
Agnieszka 2022	84.1	9.4	8	95.1	6.5	39	3.5%	-11.00 [-17.83, -4.17]	
Jiahui Wu 2022	97	1.378	39		1.386	25	19.8%		
Parva Abdolalizadeh 2021	87.45	11.42	21	97.13	7.3	30	4.9%		14
Subtotal (95% CI)			68			94	28.2%	-7.30 [-12.84, -1.76]	
Heterogeneity: Tau <sup>2</sup> = 18.31	; Chi <sup>2</sup> = !	9.46, df	= 2 (P =	= 0.009);	<sup>2</sup> = 79%			6 E S	
Test for overall effect: Z = 2.	58 (P = 0	1.010)							
3.2.3 Inferior-hemi									
Agnieszka 2022	83.6	8.7	8	96.5	6	39	4.0%	-12.90 [-19.22, -6.58]	
Jiahui Wu 2022	97.05	1.295	39	100.4	1.887	25	19.4%		-
Parva Abdolalizadeh 2021	86.6	11.9	21	99	8.07	30	4.5%	-12.40 [-18.25, -6.55]	
Subtotal (95% CI)			68			94	27.8%	-9.07 [-16.56, -1.59]	
Heterogeneity: Tau <sup>2</sup> = 37.76	6; Chi <sup>2</sup> = 1	17.30, d	f= 2 (P	= 0.0000	2); I <sup>2</sup> = 8	8%		R 11 R	
Test for overall effect: Z = 2.			1		101				
Total (95% CI)			286			396	100.0%	-5.95 [-7.35, -4.55]	•
Heterogeneity: Tau <sup>2</sup> = 2.45;	$Chi^2 = 43$	7.87. df	= 11 (P	< 0.0000	01); I <sup>2</sup> = 1	77%		8 N 8	
Test for overall effect: Z = 8.					SS35	-			-20 -10 0 10 20
Test for subaroup difference				P = 0.91	P = 0.96				Favours [experimental] Favours [control]

## Fig S20.Forest plot of MGGCL between non-DON and DON in OCT



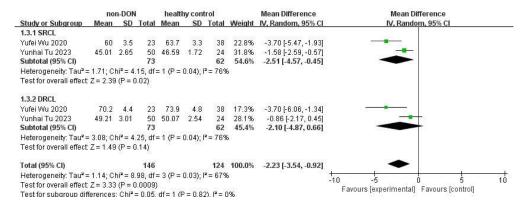
### Fig S21.Forest plot of GCL+IPL between non-DON and DON in OCT

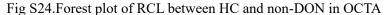
	no	n-DOM	1	health	hy cont	Irol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
1.1.1 Overall									
Parya Abdolalizadeh 2021	47.86	5.14	30	50.47	1.93	39	11.0%	-2.61 [-4.55, -0.67]	
Te Zhang 2019	53.81	3.27	41	56.7	2.36	23	12.4%	-2.89 [-4.28, -1.50]	
Yufei Wu 2022	56.86	1.81	24	57.43	2.68	34	13.0%	-0.57 [-1.73, 0.59]	
Subtotal (95% CI)			95			96	36.4%	-1.94 [-3.56, -0.32]	<b>~</b>
Heterogeneity: Tau <sup>2</sup> = 1.47;	Chi <sup>2</sup> = 7.	34, df:	= 2 (P =	0.03);1	<sup>2</sup> = 739	6			
Test for overall effect: Z = 2.	35 (P = 0	.02)	13						
1.1.2 Inside disc									
Parya Abdolalizadeh 2021	49.37	4.98	30	47.26	5.09	39	9.8%	2.11 [-0.28, 4.50]	* *
Te Zhang 2019	49.58	5.31	41	53.62	4.77	23	9.4%	-4.04 [-6.58, -1.50]	· · · · · · · · · · · · · · · · · · ·
Yufei Wu 2022	59.92	4.39	24	61.7	3.65	34	10.5%	-1.78 [-3.92, 0.36]	
Subtotal (95% CI)			95			96	29.7%	-1.22 [-4.61, 2.16]	
Heterogeneity: Tau <sup>2</sup> = 7.52;	$Chi^2 = 12$	2.44, d	f = 2 (P	= 0.002	); l <sup>2</sup> = 8	4%			
Test for overall effect: Z = 0.	71 (P = 0	.48)							
1.1.3 Peripapillary									
Parya Abdolalizadeh 2021	50.03	6.51	30	56.7	2.36	39	9.7%	-6.67 [-9.11, -4.23]	· · · · · · · · · · · · · · · · · · ·
Te Zhang 2019	58.7	3.48	41	61.15	3.57	23	11.4%	-2.45 [-4.26, -0.64]	8 <del></del>
Yufei Wu 2022	59.41	2.05	24	59.74	2.61	34	12.9%	-0.33 [-1.53, 0.87]	
Subtotal (95% CI)			95			96	33.9%	-3.01 [-6.34, 0.33]	
Heterogeneity: Tau <sup>2</sup> = 7.80;	Chi <sup>2</sup> = 21	1.50, d	f= 2 (P	< 0.000	1);  2=	91%			
Test for overall effect: $Z = 1$ .	77 (P = 0	.08)							
Total (95% CI)			285			288	100.0%	-2.05 [-3.38, -0.72]	<b>•</b>
Heterogeneity: Tau <sup>2</sup> = 3.20;	$Chi^2 = 41$	1.85, d	f = 8 (P	< 0.000	01); I <sup>z</sup> :	= 81%		16 27 28	
Test for overall effect: Z = 3.	02 (P = 0	.003)							-4 -2 U 2 4 Favours [experimental] Favours [control]
Test for subaroup difference	es: Chi <sup>2</sup> =	= 0.56.	df = 2	P = 0.71	<ol> <li>j<sup>2</sup> = 1</li> </ol>	3%			Favours [experimental] Favours [control]



Study or Subgroup	Moan	on-DON	Total		thy contr		Mojabt	Mean Difference	Mean Difference
1.2.1 Overall	Mean	SD	TOTAL	Mean	50	rotal	weight	IV, Random, 95% CI	IV, Random, 95% CI
	12223	1000	999	1217-22	201	1222			
Huan Jian 2021	53.31	2.93		54.26	2.3	52	4.1%	-0.95 [-2.06, 0.16]	
Jiahui Wu 2022	49.16	0.5463	25	50.33	0.3173	34	8.2%	-1.17 [-1.41, -0.93]	•
Te Zhang 2019	51.66	3.75	41	54.73	2.78	23	2.6%	-3.07 [-4.69, -1.45]	
Yufei Wu 2022	50.14	1.77		50.66	2.5	34	4.1%	-0.52 [-1.62, 0.58]	
Subtotal (95% CI)			129			143	19.0%	-1.23 [-1.92, -0.54]	•
	0.12 0.		0000	0.01.17	CO0(	145	15.070	- 125 [- 1.52, -0.54]	
Heterogeneity: Tau <sup>2</sup> = 0.26; Test for overall effect: Z = 3.			(P = 0.	U8), in =	20%				
1.2.2 Inside disc									
Jiahui Wu 2022	48.28	1.528	25	50.00	0.7654	34	6.2%	17413 30 1 001	
									804894.06
Te Zhang 2019	42.45	10.94	41	48.6	7.06	23		-6.15 [-10.57, -1.73]	2
Yufei Wu 2020	49.67	5.03	24	52.07	4.67	34	1.2%	-2.40 [-4.95, 0.15]	
Subtotal (95% CI)			90			91	7.9%	-2.50 [-4.29, -0.71]	<b>•</b>
Heterogeneity: Tau <sup>2</sup> = 1.31; Test for overall effect: Z = 2.			(P = 0	14); I² =	49%				
	10	555							
1.2.3 Peripapillary			22		0.004				12
Jiahui Wu 2022		0.5562			0.3914	34	8.2%	-0.97 [-1.22, -0.72]	1.000
Te Zhang 2019	58.73	3.4	41	61.68	3.71	23	2.1%	-2.95 [-4.79, -1.11]	10-0 <del>00</del> -01
Yufei Wu 2020	53.04	2.53	24	53.24	2.61	34	3.3%	-0.20 [-1.54, 1.14]	<u></u>
Subtotal (95% CI)			90			91	13.6%	-1.16 [-2.24, -0.08]	<b>•</b>
Heterogeneity: Tau² = 0.59; Test for overall effect: Z = 2.			0000 1225	06); I² =	65%	51	13.070	110 [2224, 0000]	~
	25	20							
1.2.4 Superior-hemi									142
Jiahui Wu 2022	52.29	0.5126	25	53.07	0.4316	34	8.2%	-0.78 [-1.03, -0.53]	*
Parya Abdolalizadeh 2021	50.95	5.7		53.11	3.07	39	1.5%	-2.16 [-4.42, 0.10]	A
Yufei Wu 2022	53.02	2.63	24	53.29	2.99	34	3.0%	-0.27 [-1.73, 1.19]	
	03.02	2.03		03.29	2.99				
Subtotal (95% CI)			79			107	12.7%	-0.78 [-1.02, -0.54]	•
Heterogeneity: Tau² = 0.00; Test for overall effect: Z = 6.			(P = 0.	.38); I² =	0%				
125 Inferior homi									
1.2.5 Inferior-hemi Jiahui Wu 2022	62.24	0.6808	25	53.45	0.431	34	8.0%	-1 21 61 61 -0.041	-
								-1.21 [-1.51, -0.91]	Vetto
Parya Abdolalizadeh 2021	49	7.64		53.79	2.24	39	1.0%	-4.79 [-7.61, -1.97]	
Yufei Wu 2022	52.75	2.27	24	53.17	2.57	34	3.6%	-0.42 [-1.67, 0.83]	
Subtotal (95% CI)			79			107	12.6%	-1.52 [-2.92, -0.12]	
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 1.03;				02); I² =	74%	107	12.6%	-1.52 [-2.92, -0.12]	
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2.				02); I² =	74%	107	12.6%	-1.52 [-2.92, -0.12]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2. 1.2.6 Superior	13 (P = 0	.03)	(P = 0						
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2. 1.2.6 Superior	13 (P = 0	.03)				107	<b>12.6%</b> 7.8%		+
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2. 1.2.6 Superior Jiahui Wu 2022	13 (P = 0 52.84	.03) 0.7111	(P = 0 25	53.5	0.5557	34	7.8%	-0.66 [-1.00, -0.32]	-
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2. 1.2.6 Superior Jiahui Wu 2022 Parya Abdolalizadeh 2021	13 (P = 0	.03)	(P = 0 25 30			34 39	7.8% 1.0%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: 1.2.6 Superior Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI)	13 (P = 0 52.84 50.27	.03) 0.7111 7.04	(P = 0 25 30 <b>55</b>	53.5 52.54	0.5557 4.66	34	7.8%	-0.66 [-1.00, -0.32]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2. 12.6 Superior Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.18;	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1.	.03) 0.7111 7.04 16, df= 1	(P = 0 25 30 <b>55</b>	53.5 52.54	0.5557 4.66	34 39	7.8% 1.0%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64]	-
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect Z = 2: <b>1.2.6 Superior</b> Jiahui Wu 2022 Parya Abdolalzadeh 2021 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect Z = 1.1	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1.	.03) 0.7111 7.04 16, df= 1	(P = 0 25 30 <b>55</b>	53.5 52.54	0.5557 4.66	34 39	7.8% 1.0%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64]	-
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect Z = 2: <b>1.2.6 Superior</b> Jahai Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1: <b>1.2.7 Temporal</b>	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1. 81 (P = 0	.03) 0.7111 7.04 16, df = 1 .07)	(P = 0. 25 30 <b>55</b> (P = 0.	53.5 52.54 28); I² =	0.5557 4.66 14%	34 39 73	7.8% 1.0% <b>8.8</b> %	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] - <b>0.79 [-1.64, 0.07]</b>	-
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: 1.2.6 Superior Jahou Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 1.2.7 Temporal Jahui Wu 2022	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1. 81 (P = 0 54.16	.03) 0.7111 7.04 16, df = 1 .07) 0.6896	(P = 0. 25 30 55 (P = 0. 25	53.5 52.54 28); I²= 56.18	0.5557 4.66 14% 0.6052	34 39 73 34	7.8% 1.0% <b>8.8</b> % 7.8%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] - <b>0.79 [-1.64, 0.07]</b> -2.02 [-2.36, -1.68]	•
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Testfor overall effect: Z = 2: Jaholi Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1: <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1. 81 (P = 0	.03) 0.7111 7.04 16, df = 1 .07)	(P = 0. 25 30 55 (P = 0. 25 30	53.5 52.54 28); I² =	0.5557 4.66 14%	34 39 <b>73</b> 34 39	7.8% 1.0% 8.8% 7.8% 0.6%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect Z = 2: <b>1.2.6 Superior</b> Jahoui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect Z = 1: <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C)	13 (P = 0 52.84 50.27 Chi <sup>a</sup> = 1. 81 (P = 0 54.16 47.67	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10	(P = 0. 25 30 55 (P = 0. 25 30 55	53.5 52.54 28); I²= 56.18 55.46	0.5557 4.66 14% 0.6052 3.5	34 39 73 34	7.8% 1.0% 8.8% 7.8% 0.6%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] - <b>0.79 [-1.64, 0.07]</b> -2.02 [-2.36, -1.68]	
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2. 1.2.6 Superior Jiahui Wu 2022	13 (P = 0 52.84 50.27 Chi <sup>a</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>a</sup> = 9	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10 3.05, df =	(P = 0. 25 30 55 (P = 0. 25 30 55	53.5 52.54 28); I²= 56.18 55.46	0.5557 4.66 14% 0.6052 3.5	34 39 <b>73</b> 34 39	7.8% 1.0% 8.8% 7.8% 0.6%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05]	
Subtotal (95% C) Heterogeneity, Tau <sup>2</sup> = 1.03; Test for overall effect Z = 2: <b>1.2.6 Superior</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity, Tau <sup>2</sup> = 0.18; Test for overall effect Z = 1: <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity, Tau <sup>2</sup> = 1.4.81 Test for overall effect Z = 1:	13 (P = 0 52.84 50.27 Chi <sup>a</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>a</sup> = 9	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10 3.05, df =	(P = 0. 25 30 55 (P = 0. 25 30 55	53.5 52.54 28); I²= 56.18 55.46	0.5557 4.66 14% 0.6052 3.5	34 39 <b>73</b> 34 39	7.8% 1.0% 8.8% 7.8% 0.6%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: <b>1.2.6 Superior</b> Jahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 14.81 Test for overall effect: Z = 1.1 <b>1.2.8 Inferior</b>	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>2</sup> = 9 60 (P = 0	0.7111 7.04 16, df = 1 .07) 0.6896 10 3.05, df = .11)	(P = 0 25 30 55 (P = 0 25 30 55 1 (P = 1	53.5 52.54 28); I² = 56.18 55.46 0.003);	0.5557 4.66 14% 0.6052 3.5 P= 89%	34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 0.6% 8.4%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: $Z = 2$ . <b>1.2.6 Superior</b> Jahaui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: $Z = 1$ .: <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.4.81 Test for overall effect: $Z = 1$ .: <b>1.2.8 Inferior</b> Jahaui Wu 2022	13 (P = 0 52.84 50.27 Chi <sup>≠</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>≠</sup> = 9 60 (P = 0 55.16	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10 0.05, df = .11) 0.8863	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1 25	53.5 52.54 28); I <sup>≥</sup> = 56.18 55.46 0.003); 55.5	0.5557 4.66 14% 0.6052 3.5 F= 89% 0.48	34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 8.4% 7.6%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect Z = 2: <b>1.2.6 Superior</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 1.4,81 Test for overall effect: Z = 1.1 <b>1.2.8 Inferior</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>2</sup> = 9 60 (P = 0	0.7111 7.04 16, df = 1 .07) 0.6896 10 3.05, df = .11)	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1 25 30 55 55 30 55 30 55 55 30 55 55 30 55 55 30 55 55 30 55 55 30 55 55 30 55 55 30 55 30 55 55 30 55 30 55 30 55 30 55 30 55 30 30 55 30 30 55 30 30 55 30 30 30 55 30 30 55 30 30 30 30 30 30 30 30 30 30	53.5 52.54 28); I² = 56.18 55.46 0.003);	0.5557 4.66 14% 0.6052 3.5 P= 89%	34 39 73 34 39 73 34 39	7.8% 1.0% 8.8% 7.8% 8.4% 7.6% 0.9%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: 1.2.6 Superior Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 1.2.7 Temporal Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.4.81 Test for overall effect: Z = 1.1 1.2.8 Inferior Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI)	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>2</sup> = 9 60 (P = 0 55.16 51.23	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10 3.05, df = .11) 0.8863 8.4	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 1 (P = 1)	53.5 52.54 28); I <sup>≈</sup> = 56.18 55.46 0.003); 55.5 56	0.5557 4.66 14% 0.6052 3.5 F=89% 0.48 2.62	34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 8.4% 7.6%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect <i>Z</i> = 2: <b>1.2.6 Superior</b> Jahaui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect <i>Z</i> = 1.: <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 14.81 Test for overall effect <i>Z</i> = 1.: <b>1.2.8 Inferior</b> Jahai Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 8.53;	13 (P = 0 52.84 50.27 Chi <sup>a</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>a</sup> = 9 60 (P = 0 55.16 51.23 Chi <sup>a</sup> = 7.1	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10 3.05, df = 11) 0.8863 8.4 65, df = 1	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 1 (P = 1)	53.5 52.54 28); I <sup>≈</sup> = 56.18 55.46 0.003); 55.5 56	0.5557 4.66 14% 0.6052 3.5 F=89% 0.48 2.62	34 39 73 34 39 73 34 39	7.8% 1.0% 8.8% 7.8% 8.4% 7.6% 0.9%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: 1.2.6 Superior Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 1.2.7 Temporal Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 14.81 Test for overall effect: Z = 1.1 1.2.8 Inferior Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.53; Test for overall effect: Z = 1.1	13 (P = 0 52.84 50.27 Chi <sup>a</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>a</sup> = 9 60 (P = 0 55.16 51.23 Chi <sup>a</sup> = 7.1	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10 3.05, df = 11) 0.8863 8.4 65, df = 1	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 1 (P = 1)	53.5 52.54 28); I <sup>≈</sup> = 56.18 55.46 0.003); 55.5 56	0.5557 4.66 14% 0.6052 3.5 F=89% 0.48 2.62	34 39 73 34 39 73 34 39	7.8% 1.0% 8.8% 7.8% 8.4% 7.6% 0.9%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect $Z = 2$ : <b>1.2.6 Superior</b> Jahaui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect $Z = 1$ . <b>1.2.7 Temporal</b> Jiahaui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 14.81 Test for overall effect $Z = 1$ . <b>1.2.8 Inferior</b> Jahaui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect $Z = 1$ . <b>1.2.9 Nasal</b>	13 ( $P = 0$ 52.84 50.27 Chi <sup>2</sup> = 1. 81 ( $P = 0$ 54.16 47.67 ; Chi <sup>2</sup> = 9 60 ( $P = 0$ 55.16 51.23 Chi <sup>2</sup> = 7. 03 ( $P = 0$	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10 0.05, df = .11) 0.8863 8.4 65, df = 1 .30)	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 (P = 0. (P = 0.) (P = 0.)	53.5 52.54 28);  ⁼ = 56.18 55.46 0.003); 55.5 56 0006);  ⁼	0.5557 4.66 14% 0.6052 3.5 F= 89% 0.48 2.62 = 87%	34 39 73 34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 8.4% 7.6% 0.9% 8.5%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65] -2.27 [-6.58, 2.03]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: 1.2.6 Superior Jahoui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 1.2.7 Temporal Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.4,81 Test for overall effect: Z = 1.1 1.2.8 Inferior Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect: Z = 1.1 1.2.9 Nasal Jiahui Wu 2022	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>2</sup> = 9 60 (P = 0 55.16 51.23 Chi <sup>2</sup> = 7. 03 (P = 0 48.52	.03) 0.7111 7.04 16, df = 1 .07) 0.68966 10 3.05, df = 11) 0.8863 8.4 65, df = 1 .30) 0.7074	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 (P = 0. 25 30 55 (P = 0. 25 30 55 55 1 (P = 0. 25 30 55 55 55 55 1 (P = 0. 25 30 55 55 1 (P = 0. 25 55 1 (P = 0. 25 55 55 1 (P = 0. 25 55 55 55 55 55 55 55 55 55	53.5 52.54 28);  F = 56.18 55.46 0.003); 55.5 56 006);  F 48.97	0.5557 4.66 14% 0.6052 3.5 F= 89% 0.48 2.62 = 87% 0.5827	34 39 73 34 39 73 34 39 73 34	7.8% 1.0% 8.8% 7.8% 0.6% 8.4% 7.6% 8.5%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -2.27 [-6.58, 2.03] -0.45 [-0.79, -0.11]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: Jahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 1.2,7 Temporal Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 14.81 Test for overall effect: Z = 1.1 1.2,8 Inferior Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect: Z = 1.1 1.2,9 Nasal Jiahui Wu 2022 Parya Abdolalizadeh 2021	13 ( $P = 0$ 52.84 50.27 Chi <sup>2</sup> = 1. 81 ( $P = 0$ 54.16 47.67 ; Chi <sup>2</sup> = 9 60 ( $P = 0$ 55.16 51.23 Chi <sup>2</sup> = 7. 03 ( $P = 0$	.03) 0.7111 7.04 16, df = 1 .07) 0.6896 10 0.05, df = .11) 0.8863 8.4 65, df = 1 .30)	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 (P = 0. 25 30 55 (P = 0. 25 30 55 55 30 55 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 50 55 55	53.5 52.54 28);  ⁼ = 56.18 55.46 0.003); 55.5 56 0006);  ⁼	0.5557 4.66 14% 0.6052 3.5 F= 89% 0.48 2.62 = 87%	34 39 73 34 39 73 34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 0.6% 8.4% 7.6% 8.5% 7.8% 0.7%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65] -2.27 [-6.58, 2.03] -0.45 [-0.79, -0.11] -0.04 [-3.46, 3.38]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: <b>1.2.6 Superior</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 14.81 Test for overall effect: Z = 1.1 <b>1.2.8 Inferior</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect: Z = 1.1 <b>1.2.9 Subtotal</b> (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect: Z = 1.1 <b>1.2.9 Nasal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021	13 (P = 0 52.84 50.27 Chi <sup>2</sup> = 1. 81 (P = 0 54.16 47.67 ; Chi <sup>2</sup> = 9 60 (P = 0 55.16 51.23 Chi <sup>2</sup> = 7. 03 (P = 0 48.52	.03) 0.7111 7.04 16, df = 1 .07) 0.68966 10 3.05, df = 11) 0.8863 8.4 65, df = 1 .30) 0.7074	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 (P = 0. 25 30 55 (P = 0. 25 30 55 55 1 (P = 0. 25 30 55 55 55 55 1 (P = 0. 25 30 55 55 1 (P = 0. 25 55 1 (P = 0. 25 55 55 1 (P = 0. 25 55 55 55 55 55 55 55 55 55	53.5 52.54 28);  F = 56.18 55.46 0.003); 55.5 56 006);  F 48.97	0.5557 4.66 14% 0.6052 3.5 F= 89% 0.48 2.62 = 87% 0.5827	34 39 73 34 39 73 34 39 73 34	7.8% 1.0% 8.8% 7.8% 0.6% 8.4% 7.6% 8.5%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -2.27 [-6.58, 2.03] -0.45 [-0.79, -0.11]	
Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 1.03; Test for overall effect. Z = 2: <b>1.2.6 Superior</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 0.18; Test for overall effect. Z = 1.1 <b>1.2.7 Temporal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 1.4, 81 Test for overall effect. Z = 1.1 <b>1.2.8 Inferior</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 8.53; Test for overall effect. Z = 1.1 <b>1.2.9 Nasal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 8.05; Test for overall effect. Z = 1.1 <b>1.2.9 Nasal</b> Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 0.00;	13 ( $P = 0$ 52.84 50.27 Chi <sup>P</sup> = 1: 81 ( $P = 0$ 54.16 47.67 55.16 61.23 Chi <sup>P</sup> = 7: 103 ( $P = 0$ 48.52 50.37 Chi <sup>P</sup> = 0.	.03) 0.71111 7.04 16, df = 1 10 0.68966 10 0.05, df = 11 0.8863 8.4 65, df = 1 0.30) 0.7074 9.17 05, df = 1	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 (P = 0. 25 30 55 (P = 0. 25 30 55 55 50 50	53.5 52.54 28);  ₽ = 56.18 55.46 0.003); 55.5 56 006);  ₽ 48.97 50.41	0.5557 4.66 14% 0.6052 3.5 F = 89% 0.48 2.62 = 87% 0.5827 3.06	34 39 73 34 39 73 34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 0.6% 8.4% 7.6% 8.5% 7.8% 0.7%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65] -2.27 [-6.58, 2.03] -0.45 [-0.79, -0.11] -0.04 [-3.46, 3.38]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect Z = 2: 1.2.6 Superior Jahaui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect Z = 1: 1.2.7 Temporal Jahaui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.4.81 Test for overall effect Z = 1: 1.2.8 Inferior Jahaui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect Z = 1: 1.2.9 Nasal Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect Z = 1: 1.2.9 Nasal Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.00; Test for overall effect Z = 2:	13 ( $P = 0$ 52.84 50.27 Chi <sup>P</sup> = 1: 81 ( $P = 0$ 54.16 47.67 55.16 61.23 Chi <sup>P</sup> = 7: 103 ( $P = 0$ 48.52 50.37 Chi <sup>P</sup> = 0.	.03) 0.71111 7.04 16, df = 1 10 0.68966 10 0.05, df = 11 0.8863 8.4 65, df = 1 0.30) 0.7074 9.17 05, df = 1	(P = 0. 25 30 55 (P = 0. 25 30 55 1 (P = 1) 25 30 55 (P = 0. 25 30 55 (P = 0. 25 30 55 (P = 0. 25 (P	53.5 52.54 28);  ₽ = 56.18 55.46 0.003); 55.5 56 006);  ₽ 48.97 50.41	0.5557 4.66 14% 0.6052 3.5 F = 89% 0.48 2.62 = 87% 0.5827 3.06	34 39 73 34 39 73 34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 8.4% 7.6% 8.5% 7.8% 0.9% 8.5%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65] -2.27 [-6.58, 2.03] -0.45 [-0.79, -0.11] -0.04 [-3.46, 3.38] -0.45 [-0.78, -0.11]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect: Z = 2: 1.2.6 Superior Jlahul Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect: Z = 1.1 1.2.7 Temporal Jlahul Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.4.81 Test for overall effect: Z = 1.1 1.2.8 Inferior Jlahul Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect: Z = 1.1 1.2.9 Masal Jlahul Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.00; Test for overall effect: Z = 2: Total (95% C)	$\begin{array}{l} 13 \ (P=0 \\ 52.84 \\ 50.27 \\ \text{Chi}^{\text{\tiny E}}=1. \\ 81 \ (P=0 \\ 54.16 \\ 47.67 \\ ; \ \text{Chi}^{\text{\tiny E}}=6 \\ 60 \ (P=0 \\ 55.16 \\ 51.23 \\ \text{Chi}^{\text{\tiny E}}=7. \\ 03 \ (P=0 \\ 48.52 \\ 50.37 \\ \text{Chi}^{\text{\tiny E}}=0. \\ 39 \ (P=0 \\ 59 \ (P=0 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ $	0.03) 0.71111 7.04 16, df = 1 10, 06896 10 0.05, df = 111) 0.8863 8.4 65, df = 1 0.7074 9.17 05, df = 1 0010)	(P = 0. 25 300 55 (P = 0. 25 300 55 1 (P = 1) 25 300 55 (P = 0. 25 300 55 (P = 0. 25 300 55 (P = 0. 25 (P = 0. 2	53.5 52.54 28);  * = 56.18 55.46 0.003); 55.5 56 006);  * 48.97 50.41 82);  * =	0.5557 4.66 14% 0.6052 3.5 *= 89% 0.48 2.62 = 87% 0.5827 3.06	34 39 73 34 39 73 34 39 73 34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 0.6% 8.4% 7.6% 8.5% 7.8% 0.7%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65] -2.27 [-6.58, 2.03] -0.45 [-0.79, -0.11] -0.04 [-3.46, 3.38]	
Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.03; Test for overall effect $Z = 2$ : 1.2.6 Superior Jahou Wu 2022 Paya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.18; Test for overall effect $Z = 1$ : 1.2.7 Temporal Jiahou Wu 2022 Paya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 1.4.81 Test for overall effect $Z = 1$ : 1.2.8 Inferior Jiahou Wu 2022 Paya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect $Z = 1$ : 1.2.9 Nasal Jiahou Wu 2022 Paya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 8.53; Test for overall effect $Z = 1$ : 1.2.9 Nasal Jiahou Wu 2022 Paya Abdolalizadeh 2021 Subtotal (95% C) Heterogeneity: Tau <sup>2</sup> = 0.00; Test for overall effect $Z = 2$ :	$\begin{array}{l} 13 \ (P=0 \\ 52.84 \\ 50.27 \\ \text{Chi}^{\text{\tiny E}}=1. \\ 81 \ (P=0 \\ 54.16 \\ 47.67 \\ ; \ \text{Chi}^{\text{\tiny E}}=6 \\ 60 \ (P=0 \\ 55.16 \\ 51.23 \\ \text{Chi}^{\text{\tiny E}}=7. \\ 03 \ (P=0 \\ 48.52 \\ 50.37 \\ \text{Chi}^{\text{\tiny E}}=0. \\ 39 \ (P=0 \\ 59 \ (P=0 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ $	0.03) 0.71111 7.04 16, df = 1 10, 06896 10 0.05, df = 111) 0.8863 8.4 65, df = 1 0.7074 9.17 05, df = 1 0010)	(P = 0. 25 300 55 (P = 0. 25 300 55 1 (P = 1) 25 300 55 (P = 0. 25 300 55 (P = 0. 25 300 55 (P = 0. 25 (P = 0. 2	53.5 52.54 28);  * = 56.18 55.46 0.003); 55.5 56 006);  * 48.97 50.41 82);  * =	0.5557 4.66 14% 0.6052 3.5 *= 89% 0.48 2.62 = 87% 0.5827 3.06	34 39 73 34 39 73 34 39 73 34 39 73 34 39 73	7.8% 1.0% 8.8% 7.8% 8.4% 7.6% 8.5% 7.8% 0.9% 8.5%	-0.66 [-1.00, -0.32] -2.27 [-5.18, 0.64] -0.79 [-1.64, 0.07] -2.02 [-2.36, -1.68] -7.79 [-11.53, -4.05] -4.59 [-10.21, 1.03] -0.34 [-0.72, 0.04] -4.77 [-7.89, -1.65] -2.27 [-6.58, 2.03] -0.45 [-0.79, -0.11] -0.04 [-3.46, 3.38] -0.45 [-0.78, -0.11]	

Fig S23.Forest plot of RPC-VD between HC and non-DON in OCTA





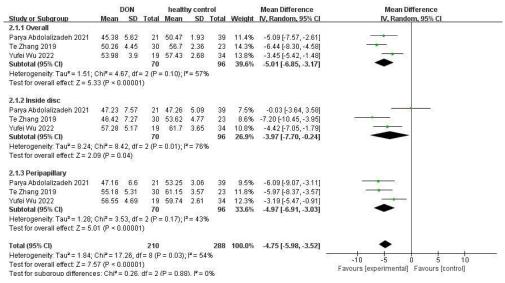
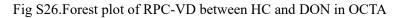
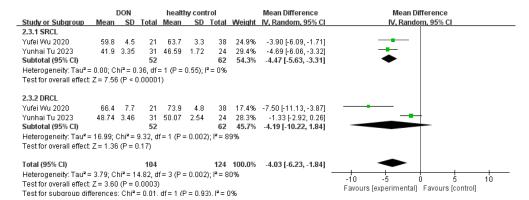
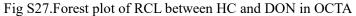


Fig S25.Forest plot of ONH-VD between HC and DON in OCTA

Study or Subgroup	Mean	DON SD	Total	Mean	thy contr SD		Weight	Mean Difference IV, Random, 95% Cl	Mean Difference IV, Random, 95% Cl
2.2.1 Overall									
Huan Jian 2021	32.18	5.48	6	54.26	2.3	52	2.6%	-22.08 [-26.51, -17.65]	
Te Zhang 2019	48.9	5.24	30	54.73	2.78	23	4.8%	-5.83 [-8.02, -3.64]	
Yufei Wu 2022	47.42	3.7	19	50.66	2.5	34	5.2%	-3.24 [-5.10, -1.38]	1000 C
Subtotal (95% CI)			55			109	12.6%	-10.07 [-18.08, -2.07]	
Heterogeneity: Tau² = 47.71 Test for overall effect: Z = 2.			= 2 (P <	0.0000	1); I² = 97	%			
2.2.2 Inside disc	26	20							
Te Zhang 2019	39.17	8.96	30	48.6	7.06	23	2.6%	-9.43 [-13.74, -5.12]	
Yufei Wu 2022	47.13	5.67		52.07	4.67	34	3.9%	-4.94 [-7.93, -1.95]	
Subtotal (95% CI)			49			57	6.5%	-6.91 [-11.27, -2.54]	•
Heterogeneity: Tau <sup>2</sup> = 6.49; Test for overall effect: Z = 3.			(P = 0	09); I² =	64%				
2.2.3 Peripapillary									
Te Zhang 2019	55.36	5.4	30	61.68	3.71	23	4.5%	-6.32 [-8.78, -3.86]	1000 Barrier
Yufei Wu 2022	50.2	4.58	19	53.24	2.61	34	4.7%	-3.04 [-5.28, -0.80]	
Subtotal (95% CI)			49			57	9.2%	-4.64 [-7.85, -1.43]	•
Heterogeneity: Tau <sup>2</sup> = 3.94; Test for overall effect: Z = 2.			(P = 0	05); I² =	73%				
2.2.4 Superior-hemi									
Parya Abdolalizadeh 2021	47.45	6.27	21	53.11	3.07	39	4.0%	-5.66 [-8.51, -2.81]	· · · ·
Yufei Wu 2022	50.29	4.75		53.29	2.99	34	4.6%	-3.00 [-5.36, -0.64]	
Subtotal (95% CI)			40			73	8.6%	-4.21 [-6.80, -1.61]	•
Heterogeneity: Tau² = 1.76; Test for overall effect: Z = 3.			(P = 0	16); l² =	50%				
2.2.5 Inferior-hemi									
Parva Abdolalizadeh 2021	46.83	7.23	21	53.79	2.24	39	3.7%	-6.96 [-10.13, -3.79]	
Yufei Wu 2022	50.12	4.66	19	53.17	2.57	34	4.7%	-3.05 [-5.32, -0.78]	
Subtotal (95% CI)			40			73	8.4%	-4.84 [-8.66, -1.02]	•
Heterogeneity: Tau <sup>2</sup> = 5.67;	Chi <sup>2</sup> = 3.8	87, df = 1	(P = 0	05); I <sup>2</sup> =	74%			1988 I.C 19	
Test for overall effect: Z = 2.			13	1947.1					
2.2.6 Superior	07.0	0.00			0.07	50	1.00		
Huan Jian 2021	27.8	8.93	6	54.5	3.37	52		-26.70 [-33.90, -19.50]	
Jiahui Wu 2022 Parya Abdolalizadeh 2021	52.24 45.19	0.6658	39 21	52.54	0.5557	34 39	6.7% 2.9%	-1.26 [-1.54, -0.98] -7.35 [-11.34, -3.36]	
Subtotal (95% CI)	45.19	8.67	66	92.94	4.00	125	10.8%	-11.13 [-22.02, -0.25]	
Heterogeneity: Tau <sup>2</sup> = 86.98	Chił = 5	6 65 df:		0 0000	1): IF = 96		10.070	-11.15[-22.02,-0.25]	
			- 2 0		171 - 30				
Test for overall effect: Z = 2.	00 (P = 0.	.05)							
	00 (P = 0.	.05)							
2.2.7 Temporal	00 (P = 0. 37.83	.05) 6.37	6	56.49	2.98	52	2.1%	-18.66 [-23.82, -13.50]	a <del></del>
<b>2.2.7 Temporal</b> Huan Jian 2021		6.37	6 39	56.49 56.18	2.98 0.6052	52 34	2.1% 6.6%	-18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57]	
<b>2.2.7 Temporal</b> Huan Jian 2021 Jiahui Wu 2022	37.83	6.37				34 39	6.6% 3.4%		
<b>2.2.7 Temporal</b> Juan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019	37.83 53.27	6.37 0.8564	39 21 30	56.18	0.6052	34 39 23	6.6% 3.4% 4.5%	-2.91 [-3.25, -2.57] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI)	37.83 53.27 46.33 53.51	6.37 0.8564 7.62 4.99	39 21 30 <b>96</b>	56.18 55.46 62.45	0.6052 3.5 4.01	34 39 23 148	6.6% 3.4%	-2.91 [-3.25, -2.57] -9.13 [-12.57, -5.69]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 30.62	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7	6.37 0.8564 7.62 4.99	39 21 30 <b>96</b>	56.18 55.46 62.45	0.6052 3.5 4.01	34 39 23 148	6.6% 3.4% 4.5%	-2.91 [-3.25, -2.57] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 30.62 Test for overall effect: Z = 3.	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7	6.37 0.8564 7.62 4.99	39 21 30 <b>96</b>	56.18 55.46 62.45	0.6052 3.5 4.01	34 39 23 148	6.6% 3.4% 4.5%	-2.91 [-3.25, -2.57] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52]	 ₹
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolaiizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 30.62 Test for overall effect: Z = 3. 2.2.8 Inferior	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7	6.37 0.8564 7.62 4.99	39 21 30 <b>96</b> = 3 (P •	56.18 55.46 62.45	0.6052 3.5 4.01	34 39 23 148	6.6% 3.4% 4.5% <b>16.7</b> %	-2.91 [-3.25, -2.57] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 30.62 Test for overall effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022	37.83 53.27 46.33 53.51 2; Chi≇ = 7 29 (P = 0. 30.83	6.37 0.8564 7.62 4.99 0.18, df= .0010)	39 21 30 <b>96</b> = 3 (P < 6 39	56.18 55.46 62.45	0.6052 3.5 4.01 1); P = 96 3.48 0.48	34 39 23 <b>148</b> % 52 34	6.6% 3.4% 4.5% <b>16.7</b> %	-2.91 [-3.25, -2.57] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 30.62 Test for overall effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021	37.83 53.27 46.33 53.51 2; Chi≇ = 7 29 (P = 0. 30.83	6.37 0.8564 7.62 4.99 0.18, df= .0010) 7.25	39 21 30 <b>96</b> = 3 (P • 6 39 21	56.18 55.46 62.45 0.0000 55.77	0.6052 3.5 4.01 1); I <sup>2</sup> = 96 3.48	34 39 23 <b>148</b> % 52 34 39	6.6% 3.4% 4.5% <b>16.7%</b> 6.7% 2.7%	-2.91 [-3.25, -2.67] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -7.14 [-11.32, -2.96]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau <sup>a</sup> = 30.62 Test for overall effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI)	37.83 53.27 46.33 53.51 2; Chi² = 7 29 (P = 0. 30.83 54.36 48.86	6.37 0.8564 7.62 4.99 0.18, df= .0010) 7.25 0.6228 9.58	39 21 30 <b>96</b> 3 (P • 6 39 21 <b>66</b>	56.18 55.46 62.45 0.00000 55.77 55.5 56	0.6052 3.5 4.01 1); P = 96 3.48 0.48 2.62	34 39 23 <b>148</b> % 52 34 39 <b>125</b>	6.6% 3.4% 4.5% <b>16.7%</b> 1.7% 6.7%	-2.91 [-3.25, -2.57] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 30.62 Test for overall effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 104.0	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7 29 (P = 0. 30.83 54.36 48.86 99; Chi <sup>2</sup> =	6.37 0.8564 7.62 4.99 0.18, df= .0010) 7.25 0.6228 9.58 70.64, df	39 21 30 <b>96</b> 3 (P • 6 39 21 <b>66</b>	56.18 55.46 62.45 0.00000 55.77 55.5 56	0.6052 3.5 4.01 1); P = 96 3.48 0.48 2.62	34 39 23 <b>148</b> % 52 34 39 <b>125</b>	6.6% 3.4% 4.5% <b>16.7%</b> 6.7% 2.7%	-2.91 [-3.25, -2.67] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -7.14 [-11.32, -2.96]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Fe Zhang 2019 Subtotal (95% Cl) Heterogeneity: Tau <sup>a</sup> = 30.62 Fest for overall effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% Cl) Heterogeneity: Tau <sup>a</sup> = 104.C Fest for overall effect: Z = 1.	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7 29 (P = 0. 30.83 54.36 48.86 99; Chi <sup>2</sup> =	6.37 0.8564 7.62 4.99 0.18, df= .0010) 7.25 0.6228 9.58 70.64, df	39 21 30 <b>96</b> 3 (P • 6 39 21 <b>66</b>	56.18 55.46 62.45 0.00000 55.77 55.5 56	0.6052 3.5 4.01 1); P = 96 3.48 0.48 2.62	34 39 23 <b>148</b> % 52 34 39 <b>125</b>	6.6% 3.4% 4.5% <b>16.7%</b> 6.7% 2.7%	-2.91 [-3.25, -2.67] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -7.14 [-11.32, -2.96]	
2.2.7 Temporal           Huan Jian 2021           Jiahui Wu 2022           Parya Abdolalizadeh 2021           Te Zhang 2019           Subtotal (95% CI)           Heterogeneiky: Tau² = 30.62           Test for overall effect: Z = 3.           2.2.8 Inferior           Huan Jian 2021           Jiahui Wu 2022           Parya Abdolalizadeh 2021           Subtotal (95% CI)           Heterogeneity: Tau² = 104.0           Test for overall effect: Z = 1.           Subtotal (95% CI)	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7 29 (P = 0. 30.83 54.36 48.86 )9; Chi <sup>2</sup> = 7 9 (P = 0.	6.37 0.8564 7.62 4.99 0.18, df= 0010) 7.25 0.6228 9.58 70.64, dt 07)	39 21 30 <b>96</b> 39 21 <b>66</b> f= 2 (P	56.18 55.46 62.45 0.00000 55.77 55.5 55.5 56 < 0.0000	0.6052 3.5 4.01 1); P = 96 3.48 0.48 2.62	34 39 23 148 % 52 34 39 125 17%	6.6% 3.4% 4.5% 16.7% 1.7% 6.7% 2.7% 11.2%	-2.91 [-3.25, -2.57] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -7.14 [-11.32, -2.96] -10.75 [-22.53, 1.04]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Fe Zhang 2019 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 30.65 Test for overail effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 104.0 Test for overail effect: Z = 1. 2.2.9 Nasal Huan Jian 2021	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7 29 (P = 0. 30.83 54.36 48.86 99; Chi <sup>2</sup> = 7 79 (P = 0. 30.67	6.37 0.8564 7.62 4.99 0.18, df= .0010) 7.25 0.6228 9.58 70.64, df	39 21 30 <b>96</b> 3 (P • 6 39 21 <b>66</b>	56.18 55.46 62.45 0.00000 55.77 55.5 56 < 0.0000 50.35	0.6052 3.5 4.01 1);  * = 96 3.48 0.48 2.62 01);  * = 9	34 39 23 <b>148</b> % 52 34 39 <b>125</b>	6.6% 3.4% 4.5% 16.7% 1.7% 6.7% 2.7% 11.2%	-2.91 [-3.25, -2.67] -9.13 [-12.57, -5.69] -8.94 [-11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -7.14 [-11.32, -2.96]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% C1) Heterogeneity: Tau <sup>a</sup> = 30.62 Test for overall effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C1) Heterogeneity: Tau <sup>a</sup> = 104.0 Test for overall effect: Z = 1. 2.2.9 Masal Huan Jian 2021 Jiahui Wu 2022	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7 29 (P = 0. 30.83 54.36 48.86 99; Chi <sup>2</sup> = 7 79 (P = 0. 30.67	6.37 0.8564 7.62 4.99 0.18, df= 0.010) 7.25 0.6228 9.58 70.64, dt 07) 6.74	39 21 30 <b>96</b> 39 21 <b>66</b> f= 2 (P	56.18 55.46 62.45 0.00000 55.77 55.5 56 < 0.0000 50.35	0.6052 3.5 4.01 1);  ² = 96 3.48 0.48 2.62 01);  ² = 9	34 39 23 <b>148</b> % 52 34 39 <b>125</b> 7%	6.6% 3.4% 4.5% 16.7% 1.7% 6.7% 2.7% 11.2%	-2.91 [-3.25, -2.67] -9.13 [-1.257, -5.69] -8.94 [-11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30, 82, -19.06] -1.14 [-1.39, -0.69] -7.14 [-1.32, -2.96] -10.75 [-22.53, 1.04] -19.68 [-25.18, -14.18]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolailzadeh 2021 Te Zhang 2019 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 30.62 Test for overall effect Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolailzadeh 2021 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = 104.0 Test for overall effect Z = 1. 2.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolailzadeh 2021 Parya Abdolailzadeh 2021 Parya Abdolailzadeh 2021	37.83 53.27 46.33 53.51 2; Chi <sup>≠</sup> = 7 29 (P = 0. 30.83 54.36 48.86 99; Chi <sup>≠</sup> = 7 79 (P = 0. 30.67 47.42	6.37 0.8564 7.62 4.99 0.18, df= 0010) 7.25 0.6228 9.58 70.64, df 07) 6.74	39 21 30 <b>96</b> 6 39 21 <b>66</b> 5 5 2 (P 6 39 21 6 39 21 30	56.18 55.46 62.45 55.77 55.5 56 < 0.0000 50.35 48.97	0.6052 3.5 4.01 1);  ² = 96 3.48 0.48 2.62 01);  ² = 9 01);  ² = 9	34 39 23 148 % 52 34 39 125 7% 52 34 39 23	6.6% 3.4% 4.5% 16.7% 6.7% 2.7% 11.2% 1.9% 6.7% 3.1% 3.1%	-2491[-325,-267] -9.13[+1257,-5.69] -8.94[+11.36,-6.52] -9.50[-15.16,-3.85] -24.94[-30,82,-19.06] -1.14[-1.39,-0.89] -7.14[+1.32,-2.96] -10.75[-22.53,1.04] -19.68[-25.18,-14.18] -1.55[-1.86,-1.24] -2.46[-6.17,1.25] -3.79[-6.36,-1.22]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 30.62 Test for overall effect. Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 104.0 Test for overall effect. Z = 1. 2.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI)	37.83 53.27 46.33 53.51 2; Chi <sup>₽</sup> = 7 29 (P = 0, 30.83 54.36 48.86 19; Chi <sup>₽</sup> = 7 9 (P = 0, 30.67 47.42 47.95 53.35	6.37 0.8564 7.62 4.99 0.18, df= 0010) 7.25 0.6228 9.58 70.64, dt 0.7761 8.38 5.44	39 21 30 <b>96</b> 6 39 21 <b>66</b> 5 5 2 (P 6 39 21 30 9 <b>6</b> 9 9 6 39 9 9 6	56.18 55.46 62.45 0.00000 55.77 55.5 56 < 0.0000 50.35 48.97 50.41 57.14	0.6052 3.6 4.01 1);  * = 96 3.48 0.48 2.62 01);  * = 9 0.5627 3.06 4.09	34 39 23 148 % 52 34 39 125 7% 52 34 39 23 448	6.6% 3.4% 4.5% 16.7% 6.7% 2.7% 11.2% 1.9% 6.7% 3.1%	-2.91 [-3.25, -2.67] -9.13 [-1.257, -5.69] -8.94 [+11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -7.14 [+11.32, -2.96] -10.75 [-22.53, 1.04] -19.68 [-25.18, -14.18] -1.55 [-1.86, -1.24] -2.46 [-6.17, 1.25]	
2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 30.62 Test for overall effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 104.0 Test for overall effect: Z = 1. 2.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 21.38	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7 29 (P = 0. 30.83 54.36 48.86 99; Chi <sup>2</sup> = 7 9 (P = 0. 30.67 47.42 47.95 53.35	6.37 0.8564 7.62 4.99 0.18, df= 0010) 7.25 0.6228 9.58 70.64, df 0.7761 8.38 5.44 4.51, df=	39 21 30 <b>96</b> 6 39 21 <b>66</b> 5 5 2 (P 6 39 21 30 9 <b>6</b> 9 9 6 39 9 9 6	56.18 55.46 62.45 0.00000 55.77 55.5 56 < 0.0000 50.35 48.97 50.41 57.14	0.6052 3.6 4.01 1);  * = 96 3.48 0.48 2.62 01);  * = 9 0.5627 3.06 4.09	34 39 23 148 % 52 34 39 125 7% 52 34 39 23 448	6.6% 3.4% 4.5% 16.7% 6.7% 2.7% 11.2% 1.9% 6.7% 3.1% 3.1%	-2491[-325,-267] -9.13[+1257,-5.69] -8.94[+11.36,-6.52] -9.50[-15.16,-3.85] -24.94[-30,82,-19.06] -1.14[-1.39,-0.89] -7.14[+1.32,-2.96] -10.75[-22.53,1.04] -19.68[-25.18,-14.18] -1.55[-1.86,-1.24] -2.46[-6.17,1.25] -3.79[-6.36,-1.22]	
2.2.7 Temporal           Huan Jian 2021           Huan Jian 2021           Jiahui Wu 2022           Parya Abdolalizadeh 2021           Te Zhang 2019           Subtotal (95% CI)           Heterogeneiky: Tau <sup>2</sup> = 30.62           Test for overall effect: Z = 3.           2.2.8 Inferior           Huan Jian 2021           Jahui Wu 2022           Parya Abdolalizadeh 2021           Subtotal (95% CI)           Heterogeneity: Tau <sup>2</sup> = 104.0           Test for overall effect: Z = 1.           2.2.9 Nasal           Huan Jian 2021           Jahui Wu 2022           Parya Abdolalizadeh 2021           Subtotal (95% CI)           Heterogeneity: Tau <sup>2</sup> = 21.36           Test for overall effect: Z = 2.	37.83 53.27 46.33 53.51 2; Chi <sup>2</sup> = 7 29 (P = 0. 30.83 54.36 48.86 99; Chi <sup>2</sup> = 7 9 (P = 0. 30.67 47.42 47.95 53.35	6.37 0.8564 7.62 4.99 0.18, df= 0010) 7.25 0.6228 9.58 70.64, df 0.7761 8.38 5.44 4.51, df=	39 21 30 96 6 39 21 66 6 59 21 30 96 6 39 21 30 9 6 5 6 39 21 30 9 6 5 5 7 1 30 5 6 6 39 5 7 1 8 6 6 39 5 6 9 6 8 9 6 8 9 6 8 9 6 8 9 6 8 9 8 9 8	56.18 55.46 62.45 0.00000 55.77 55.5 56 < 0.0000 50.35 48.97 50.41 57.14	0.6052 3.6 4.01 1);  * = 96 3.48 0.48 2.62 01);  * = 9 0.5627 3.06 4.09	34 39 23 148 % 52 34 39 125 7% 52 34 39 23 148 %	6.6% 3.4% 4.5% 16.7% 1.7% 6.7% 2.7% 11.2% 1.9% 6.7% 3.1% 4.3% 16.1%	-2.91 [-3.25, -2.67] -9.13 [-1.257, -5.69] -8.94 [+11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -7.14 [+11.32, -2.86] -10.75 [-22.53, 1.04] -19.68 [-25.18, -14.18] -1.55 [-1.68, -1.24] -2.46 [-6.17, 1.25] -3.79 [-6.36, -1.22] -6.13 [-10.97, -1.30]	
Test for overall effect: Z = 2. 2.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 30.62 Test for overall effect: Z = 3. 2.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 104.0 Test for overall effect: Z = 1. 2.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Parya Abdolalizadeh 2021 Diahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 21.95 Total (95% CI)	37.83 53.27 46.33 53.51 29 (P = 0. 30.83 54.36 48.86 19; Chi <sup>≠</sup> = 7 79 (P = 0. 30.67 47.42 47.95 53.35 5; Chi <sup>≠</sup> = 4 49 (P = 0.	6.37 0.8564 7.62 4.99 0.018, df: 0.0010) 7.25 0.6228 9.58 70.64, dt 0.7761 8.38 5.44 4.51, df: 4.51, df:	39 21 30 96 6 39 21 66 6 59 21 30 96 = 3 (P + 557	56.18 55.46 62.45 55.77 55.5 56 50.35 50.35 50.35 50.41 57.14 0.00000	0.6052 3.5 4.01 1);   <sup>2</sup> = 96 3.48 0.48 2.62 01);   <sup>2</sup> = 9 4 0.5827 3.06 4.09 1);   <sup>2</sup> = 93	34 39 23 148 % 52 34 39 125 7% 52 34 39 23 148 % 915	6.6% 3.4% 4.5% 16.7% 6.7% 2.7% 11.2% 1.9% 6.7% 3.1% 3.1%	-2491[-325,-267] -9.13[+1257,-5.69] -8.94[+11.36,-6.52] -9.50[-15.16,-3.85] -24.94[-30,82,-19.06] -1.14[-1.39,-0.89] -7.14[+1.32,-2.96] -10.75[-22.53,1.04] -19.68[-25.18,-14.18] -1.55[-1.86,-1.24] -2.46[-6.17,1.25] -3.79[-6.36,-1.22]	
2.2.7 Temporal           Huan Jian 2021           Huan Jian 2021           Jiahui Wu 2022           Parya Abdolalizadeh 2021           Te Zhang 2019           Subtotal (95% CI)           Heterogeneiky: Tau <sup>2</sup> = 30.62           Test for overall effect: Z = 3.           2.2.8 Inferior           Huan Jian 2021           Jahui Wu 2022           Parya Abdolalizadeh 2021           Subtotal (95% CI)           Heterogeneity: Tau <sup>2</sup> = 104.0           Test for overall effect: Z = 1.           2.2.9 Nasal           Huan Jian 2021           Jahui Wu 2022           Parya Abdolalizadeh 2021           Subtotal (95% CI)           Heterogeneity: Tau <sup>2</sup> = 21.36           Test for overall effect: Z = 2.	37.83 53.27 46.33 53.51 2) Chi <sup>2</sup> = 7 29 (P = 0 30.83 54.36 48.86 30.67 47.42 47.95 53.35 5) Chi <sup>2</sup> = 4 49 (P = 0 Chi <sup>2</sup> = 48	6.37 0.8664 4.99 0.018, df:4 0.0010) 7.25 0.6228 9.58 70.64, df 0.7761 8.38 5.44 4.51, df: 0.1)	39 21 30 96 = 3 (P * 6 39 21 66 6 39 21 66 39 21 30 96 = 3 (P * 557 7	56.18 55.46 62.45 55.77 55.5 56 50.35 50.35 50.35 50.41 57.14 0.00000	0.6052 3.5 4.01 1);   <sup>2</sup> = 96 3.48 0.48 2.62 01);   <sup>2</sup> = 9 4 0.5827 3.06 4.09 1);   <sup>2</sup> = 93	34 39 23 148 % 52 34 39 125 7% 52 34 39 23 148 % 915	6.6% 3.4% 4.5% 16.7% 1.7% 6.7% 2.7% 11.2% 1.9% 6.7% 3.1% 4.3% 16.1%	-2.91 [-3.25, -2.67] -9.13 [-1.257, -5.69] -8.94 [+11.36, -6.52] -9.50 [-15.16, -3.85] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -7.14 [+11.32, -2.86] -10.75 [-22.53, 1.04] -19.68 [-25.18, -14.18] -1.55 [-1.68, -1.24] -2.46 [-6.17, 1.25] -3.79 [-6.36, -1.22] -6.13 [-10.97, -1.30]	-20 -10 0 10 20 Favours [experimental] Favours [control]





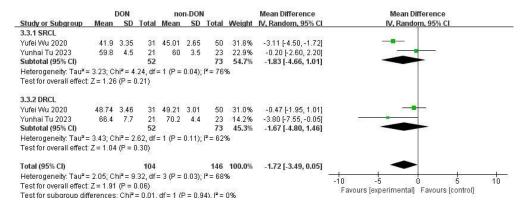


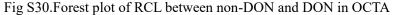
		DON		no	n-DON	Ē		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% Cl
3.1.1 Overall									
Parya Abdolalizadeh 2021	45.38	5.62	21	47.86	5.14	30	7.5%	-2.48 [-5.51, 0.55]	
Te Zhang 2019	50.26	4.45	30	53.81	3.27	41	19.5%	-3.55 [-5.43, -1.67]	
Yufei Wu 2022	53.98	3.9	19	56.86	1.81	24	19.2%	-2.88 [-4.78, -0.98]	
Subtotal (95% CI)			70			95	46.3%	-3.10 [-4.32, -1.88]	•
Heterogeneity: Chi <sup>2</sup> = 0.43,	df = 2 (P	= 0.81	); $I^{2} = 0$	%					
Test for overall effect: $Z = 4$ .	97 (P < 0	.0000	1)						
3.1.2 Inside disc									
Parya Abdolalizadeh 2021	47.23	7.57	21	49.37	4.98	30	5.1%	-2.14 [-5.84, 1.56]	
Te Zhang 2019	46.42	7.27	30	49.58	5.31	41	7.3%	-3.16 [-6.23, -0.09]	
Yufei Wu 2022	57.28	5.17	19	59.92	4.39	24	8.1%	-2.64 [-5.55, 0.27]	
Subtotal (95% CI)			70			95	20.5%	-2.70 [-4.54, -0.87]	•
Heterogeneity: Chi <sup>2</sup> = 0.18,	df = 2 (P	= 0.92	); $ ^2 = 0$	%					
Test for overall effect: $Z = 2$ .	89 (P = 0	.004)							
3.1.3 Peripapillary									
Parya Abdolalizadeh 2021	47.16	6.6	21	50.03	6.51	30	5.2%	-2.87 [-6.53, 0.79]	
Te Zhang 2019	55.18	5.31	30	58.7	3.48	41	14.6%	-3.52 [-5.70, -1.34]	
Yufei Wu 2022	56.55	4.69	19	59.41	2.05	24	13.5%	-2.86 [-5.12, -0.60]	
Subtotal (95% CI)			70			95	33.2%	-3.15 [-4.59, -1.71]	•
Heterogeneity: Chi <sup>2</sup> = 0.20,	df = 2 (P	= 0.91	); $I^{2} = 0$	%					
Test for overall effect: $Z = 4$ .	28 (P < 0	.0001)	1						
Total (95% CI)			210			285	100.0%	-3.03 [-3.87, -2.20]	•
Heterogeneity: Chi <sup>2</sup> = 0.97,	df = 8 (P	= 1.00	); I <sup>=</sup> = 0	%					-10 -5 0 5 10
Test for overall effect: Z = 7.	16 (P < 0	.0000	1)						
Test for subaroup difference	es: Chi <sup>2</sup> =	= 0.16.	df = 2	(P = 0.9)	2),   <sup>2</sup> =	0%			Favours [experimental] Favours [control]

Fig S28.Forest plot of ONH-VD between non-DON and DON in OCTA

Study or Subgroup	Mean	DON SD	Total	Mean	on-DON SD	Total	Weight	Mean Difference IV, Random, 95% Cl	Mean Difference IV, Random, 95% Cl
3.2.1 Overall	22.40	6 40	e	52.24	2.02	20	1 700	21 12 12 24 10 27	
Huan Jian 2021	32.18	5.48		53.31	2.93	39		-21.13 [-25.61, -16.65]	
Jiahui Wu 2022		0.4978			0.5463	25	6.9%	-0.92 [-1.19, -0.65]	
Te Zhang 2019	48.9	5.24	30	51.66	3.75	41	3.1%	-2.76 [-4.96, -0.56]	
Yufei Wu 2022	47.42	3.7	19	50.14	1.77	24	3.8%	-2.72 [-4.53, -0.91]	
Subtotal (95% CI)			94			129	15.0%	6.17 [-10.65, -1.70]	-
Heterogeneity: Tau <sup>2</sup> = 19.19	- Chiz - C	2 60 df-		0.0000	11-12-01				
Test for overall effect: Z = 2.7			5 (F -	0.0000	17,1 = 8	0.20			
3.2.2 Inside disc									
Jiahui Wu 2022	47.83	0.9849	39	48.28	1.528	25	6.3%	-0.45 [-1.12, 0.22]	+
Te Zhang 2019	39.17	8.96	30	42.45	10.94	41	1.1%		
								-3.28 [-7.92, 1.36]	04 4- 3 92
rufei Wu 2022	47.13	5.67	19	49.67	5.03	24	1.9%	-2.54 [-5.79, 0.71]	
Subtotal (95% CI)			88			90	9.3%	-1.13 [-2.73, 0.46]	· · · · · · · · · · · · · · · · · · ·
Heterogeneity: Tau² = 0.82; Test for overall effect: Z = 1.3			(P = 0	.24); I*=	30%				
3.2.3 Peripapillary									
	E4 5	0.6200	20	62.27	0.5562	25	6.00	0.7714.05 0.401	
Jiahui Wu 2022		0.5399				25	6.9%	-0.77 [-1.05, -0.49]	
Te Zhang 2019	55.36	5.4		58.73	3.4	41	3.2%	-3.37 [-5.56, -1.18]	8. 11.10
Yufei Wu 2022	50.2	4.58	19	53.04	2.53	24	3.0%	-2.84 [-5.13, -0.55]	
Subtotal (95% CI)			88			90	13.0%	-2.07 [-3.97, -0.16]	•
Heterogeneity: Tau² = 2.10; Test for overall effect: Z = 2.1			(P = 0	02); l² =	76%				
3.2.4 Superior-hemi									
Jiahui Wu 2022	51 23	0.6456	30	52.29	0.5126	25	6.9%	-1.06 [-1.35, -0.77]	
Parya Abdolalizadeh 2021	47.45	6.27	21	50.95	5.7	30	1.8%	-3.50 [-6.87, -0.13]	
Yufei Wu 2022	50.29	4.75	19	53.02	2.63	24	2.9%	-2.73 [-5.11, -0.35]	
Subtotal (95% CI)	00.28	-4770C	79	33.0Z	2.03	79	11.5%	-1.82 [-3.30, -0.34]	
Heterogeneity: Tau <sup>2</sup> = 0.91; ·	Chiz - C	na de la	100 C 100 C	1 53. 17	400	19	11.370	- 1.02 [-3.30, -0.34]	•
Test for overall effect: Z = 2.4			,r = 0	10),1 -	4070				
3.2.5 Inferior-hemi									
						25	0.000	0.541.0.00 0.001	-
Jiahui Wu 2022	51.73	0.4911	39	52.24	0.6808	25	6.8%	-0.51 [-0.82, -0.20]	822
Jiahui Wu 2022 Parya Abdolalizadeh 2021	51.73 46.83	0.4911 7.23	39 21	52.24 49	0.6808	25 30	1.3%		
Parya Abdolalizadeh 2021	46.83	7.23	21	49	7.64	30	1.3%	-2.17 [-6.30, 1.96]	
Parya Abdolalizadeh 2021 Yufei Wu 2022			21				1.3% 3.0%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.35]	-
Parya Abdolalizadeh 2021 Yufei Wu 2022 S <b>ubtotal (95% CI)</b> Heterogeneity: Tau <sup>2</sup> = 0.98; '	46.83 50.12 Chi <sup>2</sup> = 3.1	7.23 4.66 34, df = 2	21 19 <b>79</b>	49 52.75	7.64 2.27	30 24	1.3%	-2.17 [-6.30, 1.96]	-
Parya Abdolalizadeh 2021 Yufei Wu 2022 <b>Subtotal (95% CI)</b>	46.83 50.12 Chi <sup>2</sup> = 3.1	7.23 4.66 34, df = 2	21 19 <b>79</b>	49 52.75	7.64 2.27	30 24	1.3% 3.0%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.35]	•
Parya Abdolalizadeh 2021 Yufei Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 3 <b>.2.6 Superior</b>	46.83 50.12 Chi <sup>2</sup> = 3.1 60 (P = 0	7.23 4.66 34, df = 2 11)	21 19 <b>79</b> (P = 0	49 52.75 15); I <sup>a</sup> =	7.64 2.27 48%	30 24 79	1.3% 3.0% <b>11.2</b> %	-2.17 (-6.30, 1.96) -2.63 (-4.91, -0.36) - <b>1.26 (-2.81, 0.28)</b>	-
Parya Abdolalizadeh 2021 Yufei Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 3.2.6 Superior Huan Jian 2021	46.83 50.12 Chi <sup>2</sup> = 3.1 60 (P = 0 27.8	7.23 4.66 34, df = 2 11) 8.93	21 19 <b>79</b> (P = 0	49 52.75 15); I <sup>=</sup> = 53.68	7.64 2.27 48% 3.89	30 24 <b>79</b> 39	1.3% 3.0% <b>11.2%</b> 0.5%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.35] - <b>1.26 [-2.81, 0.28]</b> -25.88 [-33.13, -18.63]	
Parya Abdolalizadeh 2021 Yufei Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 3 <b>.2.6 Superior</b>	46.83 50.12 Chi <sup>2</sup> = 3.1 60 (P = 0 27.8	7.23 4.66 34, df = 2 11)	21 19 <b>79</b> (P = 0	49 52.75 15); I <sup>a</sup> =	7.64 2.27 48% 3.89	30 24 79	1.3% 3.0% <b>11.2</b> %	-2.17 (-6.30, 1.96) -2.63 (-4.91, -0.36) - <b>1.26 (-2.81, 0.28)</b>	← Ţ
Parya Abdolalizadeh 2021 Yufei Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 3.2.6 Superior Huan Jian 2021 Jiahui Wu 2022	46.83 50.12 Chi <sup>2</sup> = 3.1 60 (P = 0 27.8 52.24	7.23 4.66 34, df = 2 11) 8.93 0.6658	21 19 <b>79</b> (P = 0 6 39	49 52.75 15); I² = 53.68 52.84	7.64 2.27 48% 3.89 0.7111	30 24 <b>79</b> 39 25	1.3% 3.0% <b>11.2%</b> 0.5% 6.8%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.35] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25]	·
Parya Abdolalizadeh 2021 rufei Wu 2022 Subtota (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021	46.83 50.12 Chi <sup>2</sup> = 3.1 60 (P = 0 27.8	7.23 4.66 34, df = 2 11) 8.93	21 19 <b>79</b> (P = 0 6 39 21	49 52.75 15); I <sup>=</sup> = 53.68	7.64 2.27 48% 3.89	30 24 <b>79</b> 39 25 30	1.3% 3.0% <b>11.2%</b> 0.5% 6.8% 1.1%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60]	
Parya Abdolalizadeh 2021 rufei Wu 2022 Subtota (19% C1) Heterogeneity: Tau™ = 0.98; Test for overall effect: Z = 1.6 3.2.6 Superior Uaun Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtota (19% C1)	46.83 50.12 Chi <sup>2</sup> = 3.1 60 (P = 0 27.8 52.24 45.19	7.23 4.66 34, df = 2 11) 8.93 0.6658 8.67	21 19 <b>79</b> (P = 0 6 39 21 <b>66</b>	49 52.75 15); I <sup>2</sup> = 53.68 52.84 50.27	7.64 2.27 48% 3.89 0.7111 7.04	30 24 79 39 25 30 94	1.3% 3.0% <b>11.2%</b> 0.5% 6.8%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.35] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25]	
Parya Abdolalizadeh 2021 rufei Wu 2022 Subtota (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021	46.83 50.12 Chi² = 3: 60 (P = 0 27.8 52.24 45.19 i; Chi² = 5	7.23 4.66 34, df = 2 ( 11) 8.93 0.6658 8.67 (0.33, df =	21 19 <b>79</b> (P = 0 6 39 21 <b>66</b>	49 52.75 15); I <sup>2</sup> = 53.68 52.84 50.27	7.64 2.27 48% 3.89 0.7111 7.04	30 24 79 39 25 30 94	1.3% 3.0% <b>11.2%</b> 0.5% 6.8% 1.1%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60]	
Parya Abdolalizadeh 2021 rufei Wu 2022 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 92.05	46.83 50.12 Chi² = 3: 60 (P = 0 27.8 52.24 45.19 i; Chi² = 5	7.23 4.66 34, df = 2 ( 11) 8.93 0.6658 8.67 (0.33, df =	21 19 <b>79</b> (P = 0 6 39 21 <b>66</b>	49 52.75 15); I <sup>2</sup> = 53.68 52.84 50.27	7.64 2.27 48% 3.89 0.7111 7.04	30 24 79 39 25 30 94	1.3% 3.0% <b>11.2%</b> 0.5% 6.8% 1.1%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60]	
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Parya Abdolalizadeh 2021 rufei Wu 2022 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 <b>3.2.7 Temporal</b> Huan Jian 2021 Jiahui Wu 2022	46.83 50.12 Chi <sup>2</sup> = 3.1 60 (P = 0 27.8 52.24 45.19 i; Chi <sup>2</sup> = 6 74 (P = 0 37.83	7.23 4.66 34, df = 2 1 11) 8.93 0.6658 8.67 0.33, df = 08) 6.37 0.8564	21 19 79 (P = 0 6 39 21 66 2 (P <	49 52.75 15); F= 53.68 52.84 50.27 0.0000 55.36 54.16	7.64 2.27 48% 3.89 0.7111 7.04 (1); I <sup>a</sup> = 9I 3.57	30 24 <b>79</b> 39 25 30 <b>94</b> 3%	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 6.8%	-2.17 [6 30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51]	
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Parya Abdolalizadeh 2021 rufei Wu 2022 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 <b>3.2.7 Temporal</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Fe Zhang 2019 Subtotal (95% CI) Heterogeneity, Tau <sup>2</sup> = 23.99 Test for overall effect: Z = 2.7 <b>3.2.8 Inferior</b> Huan Jian 2021 Jiahui Wu 2022	46.83 50.12 Chi <sup>2</sup> = 3. 60 (P = 0 27.8 52.24 45.19 i; Chi <sup>2</sup> = 6 74 (P = 0 37.83 53.27 46.33 53.51 i; Chi <sup>2</sup> = 6 20 (P = 0 30.83 54.36	7.23 4.66 34, df = 2 1 11) 8.93 0.6658 8.67 0.33, df = 0.8564 7.62 4.99 0.16, df = 03) 7.25 0.6228	21 19 <b>79</b> 6 39 21 <b>66</b> 39 21 30 <b>96</b> 3 (P • 6 39	49 52.75 15); F= 53.68 52.84 50.27 0.00000 55.36 54.16 47.67 58.54 0.00000 55.54 55.54	7.64 2.27 48% 0.7111 7.04 (1); P = 9 3.57 0.6896 10 4.9 (1); P = 9 (1); P = 9	30 24 79 25 30 94 3% 39 25 30 30 4 35 30 4 35 30 39 25 30 39 25 30 39 25 30 25 30 25 30 25 30 25 30 25 30 25 30 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 39 25 30 30 39 25 30 30 39 25 30 30 39 25 30 39 25 30 30 30 30 30 30 30 30 30 30 30 30 30	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 6.8% 1.0% 2.9% 11.6%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -1.34 [-6.18, 3.50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40]	
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Parya Abdolalizadeh 2021 rufei Wu 2022 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 0.96; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 <b>Subtotal (95% CI)</b> Heterogeneity. Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 <b>3.2.7 Temporal</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 2.3.99 Test for overall effect: Z = 2.3 <b>3.2.8 Inferior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 2.3.99 Test for overall effect: Z = 2.3 <b>3.2.8 Inferior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI)	$\begin{array}{c} 46.83\\ 50.12\\ \text{ChIP}=3.1\\ 800\ (\text{P}=0\\ 27.8\\ 52.24\\ 45.19\\ \text{i}\ ChIP=6\\ 53.27\\ 46.33\\ 53.51\\ \text{i}\ ChIP=6\\ 37.83\\ 53.21\\ \text{i}\ ChIP=6\\ 200\ (\text{P}=0\\ 200\ (\text{P}=0\\ 30.83\\ 54.36\\ 48.86\\ \end{array}$	7.23 4.66 94, df = 2 11) 8.93 0.6658 8.67 0.33, df = 0.8564 7.62 4.99 0.16, df = 0.30 7.25 0.6228 9.58	21 19 <b>79</b> (P = 0 6 39 21 20 9 6 30 9 6 30 9 6 30 9 6 30 9 6 32 6 6 32 6 6 32 30 9 6 32 6 30 9 6 30 9 6 30 9 21 30 9 21 30 9 21 30 9 21 30 9 21 20 9 21 20 9 20 20 20 20 20 20 20 20 20 20 20 20 20	49 52.75 15); P = 53.68 52.84 50.27 0.0000 55.36 55.416 47.67 58.54 0.0000 55.54 55.54 55.54 55.54 55.54	7.64 2.27 48% 3.89 0.7111 7.04 10); P = 9i 0.6896 10 4.9 10); P = 9i 0.8863 8.4	30 24 79 39 25 30 94 3% 39 45 30 41 135 4% 39 25 39 25 39 41 39 25 39 49 4	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 6.8% 1.0% 2.9% 11.6%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -1.34 [-6.18, 3.50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40]	
Parya Abdolalizadeh 2021 rufei VVu 2022 Subtotal (95% C1) Heterogeneity: Tau <sup>2</sup> = 0.98; Test for overall effect: Z = 1.6 3.2.6 Superior Huan Jian 2021 Jiahui VVu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C1) Heterogeneity: Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 3.2.7 Temporal Huan Jian 2021 Jiahui VVu 2022 Parya Abdolalizadeh 2021 Fest for overall effect: Z = 2.7 3.2.8 Inferior Huan Jian 2021 Jiahui WU 2022 Parya Abdolalizadeh 2021 Est for overall effect: Z = 2.7 3.2.8 Inferior Huan Jian 2021 Jiahui WU 2022 Parya Abdolalizadeh 2021	$\begin{array}{c} 46.83\\ 50.12\\ \text{ChIP}=3.1\\ 800\ (\text{P}=0\\ 27.8\\ 52.24\\ 45.19\\ \text{i}\ ChIP=6\\ 53.27\\ 46.33\\ 53.51\\ \text{i}\ ChIP=6\\ 37.83\\ 53.21\\ \text{i}\ ChIP=6\\ 200\ (\text{P}=0\\ 200\ (\text{P}=0\\ 30.83\\ 54.36\\ 48.86\\ \end{array}$	7.23 4.66 94, df = 2 11) 8.93 0.6658 8.67 0.33, df = 0.8564 7.62 4.99 0.16, df = 0.30 7.25 0.6228 9.58	21 19 <b>79</b> (P = 0 6 39 21 20 9 6 30 9 6 30 9 6 30 9 6 30 9 6 32 6 6 32 6 6 32 30 9 6 32 6 30 9 6 30 9 6 30 9 21 30 9 21 30 9 21 30 9 21 30 9 21 20 9 21 20 9 20 20 20 20 20 20 20 20 20 20 20 20 20	49 52.75 15); P = 53.68 52.84 50.27 0.0000 55.36 55.416 47.67 58.54 0.0000 55.54 55.54 55.54 55.54 55.54	7.64 2.27 48% 3.89 0.7111 7.04 10); P = 9i 0.6896 10 4.9 10); P = 9i 0.8863 8.4	30 24 79 39 25 30 94 3% 39 45 30 41 135 4% 39 25 39 25 39 41 39 25 39 49 4	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 2.9% 11.6% 0.7% 6.7% 0.9%	-2.17 [6 30, 1.96] -2.63 [-4.91, -0.35] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -1.34 [-61, 8, .50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -24.71 [-30.68, -18.74] -23.7 [7.45, 2.71]	
Parya Abdolalizadeh 2021 rufei Wu 2022 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 0.96; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 <b>Subtotal (95% CI)</b> Heterogeneity. Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 <b>3.2.7 Temporal</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 2.3.99 Test for overall effect: Z = 2.3 <b>3.2.8 Inferior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 2.3.99 Test for overall effect: Z = 2.3 <b>3.2.8 Inferior</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI)	$\begin{array}{c} 46.83\\ 50.12\\ 60.(P=0\\ 27.8\\ 52.24\\ 45.19\\ 1, Chi^{P}=6\\ 52.24\\ 45.19\\ 1, Chi^{P}=6\\ 53.27\\ 46.33\\ 53.51\\ 1, Chi^{P}=6\\ 20.(P=0\\ 30.83\\ 54.36\\ 48.86\\ 12, Chi^{P}=1\end{array}$	7.23 4.66 34, df = 2 11) 8.93 0.6658 8.67 0.33, df = 0.8564 7.62 4.99 0.16, df = 03) 7.25 0.6228 9.58 61.76, df	21 19 <b>79</b> (P = 0 6 39 21 20 9 6 30 9 6 30 9 6 30 9 6 30 9 6 32 6 6 32 6 6 32 30 9 6 32 6 30 9 6 30 9 6 30 9 21 30 9 21 30 9 21 30 9 21 30 9 21 20 9 21 20 9 20 20 20 20 20 20 20 20 20 20 20 20 20	49 52.75 15); P = 53.68 52.84 50.27 0.0000 55.36 55.416 47.67 58.54 0.0000 55.54 55.54 55.54 55.54 55.54	7.64 2.27 48% 3.89 0.7111 7.04 10; P = 9i 0.6896 10 4.9 10; P = 9i 0.8863 8.4	30 24 79 39 25 30 94 3% 39 45 30 41 135 4% 39 25 39 25 39 41 39 25 39 49 4	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 2.9% 11.6% 0.7% 6.7% 0.9%	-2.17 [6 30, 1.96] -2.63 [-4.91, -0.35] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -1.34 [-61, 8, .50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -24.71 [-30.68, -18.74] -23.7 [7.45, 2.71]	
Parya Abdolalizadeh 2021 fufei Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.96; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 <b>3.2.7 Temporal</b> Huan Jian 2021 Jahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 23.99 Test for overall effect: Z = 2.7 <b>3.2.8 Inferior</b> Huan Jian 2021 Jahui Wu 2022 Parya Abdolalizadeh 2021 Fast for overall effect: Z = 2.7 <b>3.2.8 Inferior</b> Huan Jian 2021 Jahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 117.3 Test for overall effect: Z = 1.4 <b>3.2.9 Nasal</b>	$\begin{array}{c} 46.83\\ 50.12\\ 600 (P=0\\ 27.8\\ 52.24\\ 45.19\\ (Ch)^{P}=6\\ 52.24\\ 45.19\\ (Ch)^{P}=6\\ 52.27\\ 46.33\\ 53.51\\ (Ch)^{P}=6\\ 200 (P=0\\ 30.83\\ 54.36\\ 48.86\\ 48.86\\ (2) Ch)^{P}=6\\ 41 (P=0\\ 0\\ 100 (P=0)\\ $	7.23 4.66 34, df = 2 1 11) 8.93 0.6658 8.67 0.33, df = 0.8564 7.62 4.99 0.16, df = 03) 7.25 0.6228 9.58 61.76, df = 16)	21 19 79 79 79 20 66 39 21 66 2 (P - 6 30 96 96 96 96 91 30 96 96 921 60 96 96 96 96 96 96 96 96 96 96	49 52.75 15); F= 53.68 52.84 50.27 \$0.0000 55.36 54.16 47.67 58.54 \$0.0000 \$55.54 55.16 51.23 < 0.0000	7.64 2.27 48% 3.89 0.7111 7.04 11); IP = 91 0.68966 10 4.9 11); IP = 91 10; IP = 91 4.9 4.9 8.4 4.43 0.8863 8.4	30 24 79 39 25 30 94 3% 3% 3% 3% 39 25 30 41 135 1% 39 25 39 40 37%	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 1.0% 2.9% 1.1.6% 0.7% 0.7% 8.4%	-2.17 [-6.30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -1.26 [-2.81, 0.28] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -1.34 [-6.18, 3.50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -2.37 [-7.45, 2.71] -9.03 [-21.56, 3.49]	
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Parya Abdolalizadeh 2021 fufei Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 0.96; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 <b>3.2.7 Temporal</b> Huan Jian 2021 Jahui Wu 2022 Parya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 23.99 Test for overall effect: Z = 2.7 <b>3.2.8 Inferior</b> Huan Jian 2021 Jahui Wu 2022 Parya Abdolalizadeh 2021 Fast for overall effect: Z = 2.7 <b>3.2.8 Inferior</b> Huan Jian 2021 Jahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 117.3 Test for overall effect: Z = 1.4 <b>3.2.9 Nasal</b>	$\begin{array}{c} 46.83\\ 50.12\\ \text{Chi}^{\text{R}}=3.3\\ 60\ (\text{P}=0\\ 27.8\\ 52.24\\ 45.19\\ \text{;}\ \text{Chi}^{\text{R}}=6\\ 27.8\\ 52.24\\ 45.19\\ \text{;}\ \text{Chi}^{\text{R}}=6\\ 23.4\\ 35.27\\ 46.33\\ 53.51\\ \text{;}\ \text{Chi}^{\text{R}}=6\\ 20\ (\text{P}=0\\ 20\ (\text{P}=0\\ 20\ (\text{P}=0\\ 12\ (\text{Chi}^{\text{R}}=4\\ 48.86\\ 48.86\\ 12\ (\text{Chi}^{\text{R}}=6\\ 22\ (\text{Chi}^{\text{R}}=4\\ 41\ (\text{P}=0\\ 30.67\\ \end{array}\right)$	7.23 4.66 34, df = 2 11) 8.93 0.6658 8.67 0.33, df = 0.33, df = 0.33, df = 0.33, df = 0.33, df = 0.16, df = 0.528 9.58 61.76, df = 16) 6.74 0.7761	21 19 79 79 79 20 66 39 21 66 2 (P - 6 30 96 96 96 96 91 30 96 96 921 60 96 96 96 96 96 96 96 96 96 96	49 52.75 15); F= 53.68 52.84 50.27 0.0000 55.36 54.16 47.67 58.54 0.0000 55.54 51.23 < 0.0000 48.64	7.64 2.27 48% 3.89 0.7111 7.04 11); IP = 91 0.68966 10 4.9 11); IP = 91 10; IP = 91 4.9 4.9 8.4 4.43 0.8863 8.4	30 24 79 39 25 30 94 3% 3% 3% 3% 39 25 30 41 135 1% 39 25 39 40 37%	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 1.0% 2.9% 1.1.6% 0.7% 0.7% 8.4%	-2.17 [+ 3.0, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-2.1,2, 1.29] -17.53 [-22.76, -12.31] -0.89 [-1.27, -0.51] -1.34 [+6.18, 3.50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -2.37 [-7.45, 2.71] -9.03 [-21.56, 3.49] -17.97 [-23.50, -12.44] -1.10 [-1.47, -0.73]	
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Parya Abdolalizadeh 2021 rufei Wu 2022 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 0.96; Test for overall effect: Z = 1.6 <b>3.2.6 Superior</b> Huan Jian 2021 Jiahui Wu 2022 arya Abdolalizadeh 2021 <b>Subtotal (95% CI)</b> Heterogeneity. Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 <b>3.2.7 Temporal</b> Huan Jian 2021 Jiahui Wu 2022 arya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 2.3.99 Test for overall effect: Z = 2.3 <b>3.2.8 Inferior</b> Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 2.1.93 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 1.17.3 Test for overall effect: Z = 1.4 <b>3.2.9 Nasal</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 1.17.3 Test for overall effect: Z = 1.2 <b>3.2.9 Nasal</b> Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Farya 2019	$\begin{array}{c} 46.83\\ 50.12\\ \text{Chi}^{\text{R}}=3.3\\ 60\ (\text{P}=0\\ 27.8\\ 52.24\\ 45.19\\ \text{i};\ \text{Chi}^{\text{R}}=5\\ 52.27\\ 46.33\\ 53.51\\ \text{i};\ \text{Chi}^{\text{R}}=6\\ 20\ (\text{P}=0\\ 30.83\\ 54.36\\ 48.86\\ 48.86\\ 12;\ \text{Chi}^{\text{R}}=4\\ 1\ (\text{P}=0\\ 30.67\\ 47.42\\ \end{array}$	7.23 4.66 34, df = 2 11) 8.93 0.6658 8.67 0.33, df = 0.33, df = 0.33, df = 0.33, df = 0.33, df = 0.16, df = 0.528 9.58 61.76, df = 16) 6.74 0.7761	21 19 79 21 66 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 21 30 96 21 30 96 30 96 30 96 21 30 96 21 30 96 30 96 30 96 21 30 96 21 30 96 30 96 21 30 96 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 39 21 30 96 30 39 21 30 96 30 30 30 30 30 30 30 30 30 30 30 30 30	49 52.75 15); F= 53.68 52.84 50.27 0.0000 55.36 54.16 47.67 58.54 0.0000 55.54 55.54 55.54 51.23 < 0.0000 48.64 48.52 50.37	7.64 2.27 48% 3.89 0.7111 7.04 11); P = 91 3.57 0.6896 10 4.9 10; P = 9 4.43 0.8863 8.4 0.8463 8.4 0.01); P = 1 3.85 0.7074	30 24 79 39 25 30 94 3% 39 45 30 41 135 135 135 30 94 41 7% 39 25 30 94 41 37%	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 6.8% 1.0% 0.7% 6.7% 0.9% 8.4% 0.8% 6.8% 1.0%	-2.17 [6 30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-2.1.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.61] -1.34 [-6.18, 3.50] -5.03 [-1.26, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -2.37 [-7.45, 2.71] -9.03 [-21.56, 3.49] -17.97 [-23.50, -12.44] -1.10 [-1.47, -0.73] -2.42 [-7.28, 2.44] -3.07 [-5.35, -0.79]	
Parya Abdolalizadeh 2021 fufei Vu 2022 Subtotal (95% C1) Heterogeneity. Tau <sup>2</sup> = 0.96; Test for overall effect: Z = 1.6 3.2.6 Superior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% C1) Heterogeneity. Tau <sup>2</sup> = 92.05 Test for overall effect: Z = 1.7 3.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Fest for overall effect: Z = 2.2 3.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Est for overall effect: Z = 1.7 3.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Est for overall effect: Z = 1.4 3.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Est for overall effect: Z = 1.4 3.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 E Zhang 2019 Subtotal (95% C1) Heterogeneity. Tau <sup>2</sup> = 17.71	$\begin{array}{c} 46.83\\ 50.12\\ \text{Chi}^{\text{P}}=3.3\\ 60\ (\text{P}=0\\ 27.8\\ 52.24\\ 45.19\\ \text{i}\ \text{Chi}^{\text{P}}=6\\ 74\ (\text{P}=0\\ 37.83\\ 53.27\\ 46.33\\ 53.51\\ \text{i}\ \text{Chi}^{\text{P}}=6\\ 30.83\\ 54.36\\ 44.86\\ 44.86\\ 44.96\\ 12\ \text{Chi}^{\text{P}}=2\\ 41\ (\text{P}=0\\ 30.67\\ 47.42\\ 53.35\\ \text{i}\ \text{Chi}^{\text{P}}=5\\ 33.$	7.23 4.66 94, df = 2 11) 8.93 0.6658 8.67 0.33, df = 0.8564 7.62 4.99 0.16, df = 0.3) 7.25 0.6228 9.03 0.16, df = 0.74 0.776, df = 0.74 0.7818 8.544 8.46, df =	21 19 79 20 6 39 21 6 6 39 21 30 96 39 21 66 59 21 66 39 21 66 39 21 66 39 21 66 39 21 66 39 21 96 99 60 39 21 30 99 90 90 90 90 90 90 90 90 90 90 90 90	49 52.75 15); F= 53.68 52.84 50.27 0.0000 55.36 55.46 47.67 58.54 0.0000 55.54 55.16 51.23 < 0.0000 48.64 48.64 48.64 56.37	7.64 2.27 48% 3.89 0.7111 7.04 11); P = 91 3.57 0.6896 10 4.9 11); P = 91 4.9 11); P = 91 4.9 11); P = 91 4.9 11); P = 91 4.9 10; P = 91 4.9 10; P = 91 10; P = 91 10	30 24 79 39 25 30 94 3% 39 41 135 50 30 41 135 50 30 94 47% 39 25 30 94 47%	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 6.8% 1.1% 6.7% 6.7% 8.4% 0.8% 8.4%	-217 [6 30, 1.96] -263 [-491, -0.35] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -1.34 [-61.8, 3.50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -2.37 [-7.45, 2.71] -9.03 [-21.56, 3.49] -17.97 [-23.50, -12.44] -17.97 [-23.50, -12.44]	
Panya Abdolalizadeh 2021 rufei Vua 2022 Subtotal (95% CI) Heterogeneity: Tau" = 0.98; Test for overall effect: Z = 1.6 3.2.6 Superior Huan Jian 2021 Jiahui Wu 2022 Panya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau" = 92.05 Test for overall effect: Z = 1.7 3.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Panya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau" = 23.99 Test for overall effect: Z = 2.7 3.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Panya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau" = 117.3 Test for overall effect: Z = 1.4 3.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 Panya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity: Tau" = 117.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" = 17.71 Test for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity: Tau" =	$\begin{array}{c} 46.83\\ 50.12\\ \text{Chi}^{\text{P}}=3.3\\ 60\ (\text{P}=0\\ 27.8\\ 52.24\\ 45.19\\ \text{i}\ \text{Chi}^{\text{P}}=6\\ 74\ (\text{P}=0\\ 37.83\\ 53.27\\ 46.33\\ 53.51\\ \text{i}\ \text{Chi}^{\text{P}}=6\\ 30.83\\ 54.36\\ 44.86\\ 44.86\\ 44.96\\ 12\ \text{Chi}^{\text{P}}=2\\ 41\ (\text{P}=0\\ 30.67\\ 47.42\\ 53.35\\ \text{i}\ \text{Chi}^{\text{P}}=5\\ 33.$	7.23 4.66 94, df = 2 11) 8.93 0.6658 8.67 0.33, df = 0.8564 7.62 4.99 0.16, df = 0.3) 7.25 0.6228 9.03 0.16, df = 0.74 0.776, df = 0.74 0.7818 8.544 8.46, df =	21 19 79 79 20 66 39 21 66 39 21 30 96 30 96 63 921 56 63 921 56 63 921 50 96 30 97 10 30 96 30 97 10 30 96 30 97 10 30 96 30 97 10 30 97 10 30 90 10 30 90 10 30 90 10 30 90 10 30 90 10 30 90 10 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 30 90 90 90 90 90 90 90 90 90 9	49 52.75 15); F= 53.68 52.84 50.27 0.0000 55.36 55.46 47.67 58.54 0.0000 55.54 55.16 51.23 < 0.0000 48.64 48.64 48.64 56.37	7.64 2.27 48% 3.89 0.7111 7.04 11); P = 91 3.57 0.6896 10 4.9 11); P = 91 4.9 11); P = 91 4.9 11); P = 91 4.9 11); P = 91 4.9 10; P = 91 4.9 10; P = 91 10; P = 91 10	30 24 79 32 30 94 3% 3% 39 39 4 3% 39 4 39 5 30 4 39 5 30 94 39 5 30 94 135 5 30 94 135 5 30 94 135 5 30 94 135 5 30 94 39 5 5 30 94 39 5 5 30 30 30 5 5 30 30 39 5 5 30 30 5 5 30 30 30 5 5 30 30 30 30 30 30 30 30 30 30 30 30 30	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 6.8% 11.6% 0.7% 8.4% 0.9% 8.4% 0.8% 8.4% 0.8% 11.6%	-217 [6 30, 1.96] -263 [-491, -0.35] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.99 [-1.27, -0.51] -1.34 [-61, 3.50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -2.37 [-7.45, 2.71] -9.03 [-21.56, 3.49] -17.97 [-23.50, -12.44] -1.10 [-1.47, -0.73] -2.42 [-7.28, 2.44] -3.07 [-5.35, -0.79] -5.40 [-9.90, -0.90]	
Parya Abdolalizadeh 2021 rufei Wu 2022 Subtotal (95% C1) Heterogeneity. Tau" = 0.98; Test for overall effect: Z = 1.6 3.2.6 Superior Huan Jian 2021 Jiahui Wu 2022 arya Abdolalizadeh 2021 Subtotal (95% C1) Heterogeneity. Tau" = 92.05 Test for overall effect: Z = 1.7 3.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 arya Abdolalizadeh 2021 Fest for overall effect: Z = 2.7 3.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 arya Abdolalizadeh 2021 Fest for overall effect: Z = 1.7 3.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 arya Abdolalizadeh 2021 Fest for overall effect: Z = 1.4 3.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 arya Abdolalizadeh 2021 Fest for overall effect: Z = 1.4 3.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 arya Abdolalizadeh 2021 Te Zhang 2019 Subtotal (95% C1) Heterogeneity. Tau" = 17.71 Test for overall effect: Z = 2.3 Total (95% C1)	$\begin{array}{c} 46.83\\ 50.12\\ \text{Chi}^{\text{P}}=3.3\\ 60\ (\text{P}=0\\ 27.8\\ 52.24\\ 45.19\\ \text{; Chi}^{\text{P}}=5\\ 27.4\ (\text{P}=0\\ 37.83\\ 53.27\\ 46.33\\ 53.51\\ \text{; Chi}^{\text{P}}=5\\ 20\ (\text{P}=0\\ 20\ (\text{P}=0\\ 12\ (\text{Chi}^{\text{P}}=1\\ 48.86\\ 48.86\\ 48.86\\ 48.86\\ 53.35\\ \text{; Chi}^{\text{P}}=3\\ 30.67\\ 47.42\\ 53.35\\ \text{; Chi}^{\text{P}}=3\\ 35\ (\text{P}=0\\ 35\ (\text{P}=0\ ($	7.23 4.66 94, df = 2 11) 8.93 0.6658 8.67 0.33, df = 0.8564 7.62 4.99 0.16, df = 0.3) 7.25 0.6228 9.58 61.76, df = 0.74 0.74 0.761 8.544 8.46, df = 02)	21 19 79 79 20 6 39 21 66 2 (P * 6 39 21 6 39 21 6 39 21 6 39 21 6 39 21 6 39 21 6 39 21 30 9 6 6 39 21 30 9 6 6 39 21 30 9 6 6 39 21 30 9 6 6 39 21 30 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 21 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 7 7 7 7 7 7 7 7 7 7 7 7 7	499 52.75 115); F= 53.68 52.84 50.27 * 0.0000 55.36 54.16 47.67 58.54 * 0.0000 \$55.54 55.16 51.23 * 0.0000 * 48.64 48.62 56.64 2 0.0000	7.64 2.27 48% 3.89 0.7111 7.04 41); P=9 0.6896 10 4.9 10; P=9 4.43 0.8863 8.4 0.8063 8.4 0.1); P= 9 3.85 0.7074 3.85 0.7074 3.86 10; P=9; 3.85	30 24 79 39 25 30 92 30 30 30 30 30 30 30 41 135 30 30 41 135 30 30 41 135 20 94 39 25 30 41 135 25 30 41 135 25 30 41 135 25 30 41 135 25 30 41 135 30 30 39 25 30 30 39 25 30 30 30 30 30 30 30 30 30 30 30 30 30	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 6.8% 1.0% 0.7% 6.7% 0.9% 8.4% 0.8% 6.8% 1.0%	-2.17 [6 30, 1.96] -2.63 [-4.91, -0.36] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-2.1.12, 1.29] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.61] -1.34 [-6.18, 3.50] -5.03 [-1.26, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -2.37 [-7.45, 2.71] -9.03 [-21.56, 3.49] -17.97 [-23.50, -12.44] -1.10 [-1.47, -0.73] -2.42 [-7.28, 2.44] -3.07 [-5.35, -0.79]	
Parya Abdolalizadeh 2021 rufei Wu 2022 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 0.98; Fest for overall effect: Z = 1.6 3.2.6 Superior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 92.05 Fest for overall effect: Z = 1.7 3.2.7 Temporal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 23.99 Fest for overall effect: Z = 2.7 3.2.8 Inferior Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 117.3 Fest for overall effect: Z = 1.4 3.2.9 Nasal Huan Jian 2021 Jiahui Wu 2022 Parya Abdolalizadeh 2021 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 17.71 Fest for overall effect: Z = 2.5 Subtotal (95% CI) Heterogeneity. Tau <sup>2</sup> = 2.5 Subtotal (95% CI) Heterogeneit	$\begin{array}{c} 46.83\\ 50.12\\ 50.12\\ 600 (P=0\\ 27.8\\ 52.24\\ 45.19\\ (Ch)^{P}=6\\ 52.24\\ 45.19\\ (Ch)^{P}=6\\ 52.27\\ 46.33\\ 53.51\\ (Ch)^{P}=6\\ 200 (P=0\\ 200 (P=0\\ 200 (P=0\\ 200 (P=0\\ 48.86\\ 48.86\\ 48.86\\ 48.86\\ 12 (Ch)^{P}=6\\ 30.67\\ 47.42\\ 47.95\\ 53.35\\ (Ch)^{P}=3\\ 356 (P=0\\ Ch)^{P}=31\\ \end{array}$	7.23 4.66 94, df = 2 + 11) 8.93 0.6658 8.67 0.33, df = 0.33, df = 0.33, df = 0.33, df = 0.33, df = 0.16, df = 0.30 7.25 0.6228 9.58 61.76, df = 0.7761 8.38 5.44 8.846, df = 02) 7.81, df =	21 19 79 79 20 6 39 21 66 2 (P * 6 39 21 6 39 21 6 39 21 6 39 21 6 39 21 6 39 21 6 39 21 30 9 6 6 39 21 30 9 6 6 39 21 30 9 6 6 39 21 30 9 6 6 39 21 30 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 21 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 6 6 39 9 7 7 7 7 7 7 7 7 7 7 7 7 7	499 52.75 115); F= 53.68 52.84 50.27 * 0.0000 55.36 54.16 47.67 58.54 * 0.0000 \$55.54 55.16 51.23 * 0.0000 * 48.64 48.62 56.64 2 0.0000	7.64 2.27 48% 3.89 0.7111 7.04 41); P=9 0.6896 10 4.9 10; P=9 4.43 0.8863 8.4 0.8063 8.4 0.1); P= 9 3.85 0.7074 3.85 0.7074 3.86 10; P=9; 3.85	30 24 79 39 25 30 92 30 30 30 30 30 30 30 41 135 30 30 41 135 30 30 41 135 20 94 39 25 30 41 135 25 30 41 135 25 30 41 135 25 30 41 135 25 30 41 135 30 30 39 25 30 30 39 25 30 30 30 30 30 30 30 30 30 30 30 30 30	1.3% 3.0% 11.2% 0.5% 6.8% 1.1% 8.4% 0.9% 6.8% 11.6% 0.7% 8.4% 0.9% 8.4% 0.8% 8.4% 0.8% 11.6%	-217 [6 30, 1.96] -263 [-491, -0.35] -1.26 [-2.81, 0.28] -25.88 [-33.13, -18.63] -0.60 [-0.95, -0.25] -5.08 [-9.56, -0.60] -9.92 [-21.12, 1.29] -17.53 [-22.75, -12.31] -0.98 [-1.27, -0.51] -1.34 [-61, 3.50] -5.03 [-7.36, -2.70] -5.76 [-10.89, -0.64] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -2.37 [-7.45, 2.71] -9.03 [-21.56, 3.49] -17.97 [-23.50, -12.44] -1.10 [-1.47, -0.73] -2.42 [-7.28, 2.44] -3.07 [-5.35, -0.79] -5.40 [-9.90, -0.90]	

Fig S29.Forest plot of RPC-VD between non-DON and DON in OCTA





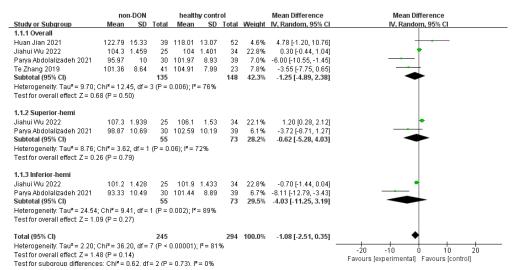


Fig S31.Forest plot of PRNFL between HC and non-DON in OCT of Optovue

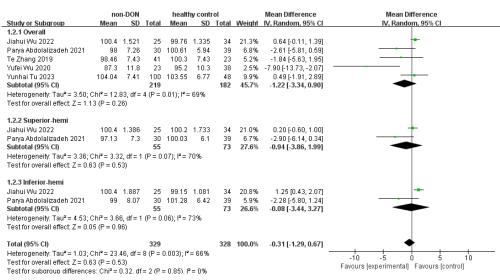
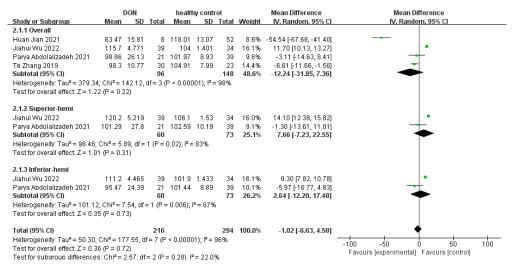
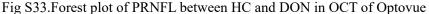


Fig S32.Forest plot of MGGCL between HC and non-DON in OCT of Optovue





		DON		healtl	ny contr	ol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% Cl
2.2.1 Overall									
Jiahui Wu 2022	96.97	1.301	39	99.76	1.335	34	33.1%	-2.79 [-3.40, -2.18]	•
Parya Abdolalizadeh 2021	87.1	11.32	21	100.61	5.94	39	0.5%	-13.51 [-18.70, -8.32]	
Te Zhang 2019	90.52	11.89	30	100.3	7.43	23	0.4%	-9.78 [-15.01, -4.55]	
Yufei Wu 2020	84.5	13.4	21	95.2	10.3	38	0.3%	-10.70 [-17.30, -4.10]	
Yunhai Tu 2023	97.53	10.2	31	103.55	6.77	48	0.7%	-6.02 [-10.09, -1.95]	
Subtotal (95% CI)			142			182	35.0%	-3.15 [-3.74, -2.56]	•
Heterogeneity: Chi <sup>2</sup> = 29.79,	df = 4 (F	° < 0.00	001); P	= 87%					
Test for overall effect: Z = 10	46 (P <	0.0000	1)						
2.2.2 Superior-hemi									
Jiahui Wu 2022	97	1.378	39	100.2	1.733	34	23.1%	-3.20 [-3.93, -2.47]	•
Parya Abdolalizadeh 2021	87.45	11.42	21	100.03	6.1	39	0.4%	-12.58 [-17.83, -7.33]	
Subtotal (95% CI)			60			73	23.6%	-3.38 [-4.09, -2.66]	♦
Heterogeneity: Chi <sup>2</sup> = 12.05,	df = 1 (F)	P = 0.00	05); l² =	92%					
Test for overall effect: Z = 9.2	21 (P < 0	.00001)							
2.2.3 Inferior-hemi									
Jiahui Wu 2022	97.05	1.295	39	99.15	1.081	34	41.0%	-2.10 [-2.65, -1.55]	
Parva Abdolalizadeh 2021	86.6	11.9	21		6.42	39		-14.68 [-20.15, -9.21]	
Subtotal (95% CI)			60			73	41.4%	-2.22 [-2.77, -1.68]	•
Heterogeneity: Chi <sup>2</sup> = 20.09.	df = 1 (F	P < 0.00	001): P	= 95%					
Test for overall effect: Z = 8.0									
Total (95% CI)			262			328	100.0%	-2.82 [-3.17, -2.47]	•
Heterogeneity: Chi <sup>2</sup> = 70.06,	df = 8 (F	P < 0.00	001): I <sup>a</sup>	= 89%				- / -	
Test for overall effect: Z = 15									-20 -10 0 10 20
Test for subgroup difference				P = 0.02).	$ ^2 = 75.4$	4%			Favours [experimental] Favours [control]
. correr caparous amoreneo		0.14.0	. 20	0.02).	. 10.	• ~~			

Fig S34.Forest plot of MGGCL between HC and DON in OCT of Optovue

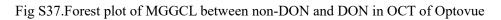
		DON		health	ny cont	rol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% Cl	IV, Fixed, 95% Cl
4.1.1 Overall									
Jie Guo 2021	110.6	34.2	68	100.3	6.3	70	3.4%	10.30 [2.04, 18.56]	· · · · · · · · · · · · · · · · · · ·
Kyung-Ah Park 2016	101	11	30	96	8	94	12.9%	5.00 [0.74, 9.26]	100 Re 40
Kyung-Ah Park 2018	97	10	20	97	8	94	10.7%	0.00 [-4.67, 4.67]	
Subtotal (95% CI)			118			258	27.0%	3.69 [0.75, 6.63]	<b></b>
Heterogeneity: Chi <sup>2</sup> =	5.22. df=	= 2 (P =	0.07);	I <sup>2</sup> = 62%	5				
Test for overall effect:									
4.1.4 Superior									
Jie Guo 2021	137.2	50.1	68	125.4	12.3	70	1.6%	11.80 [-0.45, 24.05]	
Kyung-Ah Park 2016	125	22	30	118	14	94	3.3%	7.00 [-1.37, 15.37]	200 000000
Kyung-Ah Park 2018	120	24	20	118	14	94	2.0%	2.00 [-8.89, 12.89]	
Subtotal (95% CI)	120	24	118		-17	258	6.9%	6.65 [0.82, 12.49]	
Heterogeneity: Chi <sup>2</sup> =	1 39 df-	- 2 (P -		1 <sup>2</sup> = 0.%		200	5.5 10	eree fereri irriel	
Test for overall effect:				0 /0					
4.1.5 Temporal									
Jie Guo 2021	70.4	21.7	68	71.7	9.9	70	7.3%	6.40 [0.74, 12.06]	
Kyung-Ah Park 2016	76.1	21.7	30	73	9.9	94	16.6%	3.00 [-0.75, 6.75]	and the second se
영양은 그는 방송이라는 전에 전망하지만 않는 것	76		20	73	12	94	9.3%		
Kyung-Ah Park 2018 Subtotal (95% CI)	7.0	10	118	15	12	258	33.2%	3.00 [-2.01, 8.01]	-
	1 00 11	0.00	1000	17 0.04		230	JJ.270	3.75 [1.10, 6.40]	
Heterogeneity: Chi <sup>2</sup> =				17 = 0%					
Test for overall effect:	Z= 2.11	(P = 0.	006)						
4.1.6 Inferior									
Jie Guo 2021	147.2	50.3	68		12.9	70	1.5%	14.60 [2.27, 26.93]	5 S
Kyung-Ah Park 2016	130	18	30	124	15	94	4.6%	6.00 [-1.12, 13.12]	8.77 million - 10
Kyung-Ah Park 2018	125	18	20	124	15	94	3.3%	1.00 [-7.45, 9.45]	
Subtotal (95% CI)			118			258	9.4%	5.67 [0.69, 10.65]	
Heterogeneity: Chi <sup>2</sup> =	3.20, df=	= 2 (P =	0.20);	I <sup>2</sup> = 37%	5				
Test for overall effect:	Z = 2.23	(P = 0.	03)						
4.1.7 Nasal									
Jie Guo 2021	80.1	28.6	68	71.4	8.6	94	4.7%	8.70 [1.68, 15.72]	10 TO 10 TO 10
Kyung-Ah Park 2016	69	9	30	69	12	94	14.4%	0.00 [-4.03, 4.03]	
Kyung-Ah Park 2018	73		20	69	12	19	4.5%	4.00 [-3.24, 11.24]	
Subtotal (95% CI)			118			207	23.6%	2.51 [-0.64, 5.66]	-
Heterogeneity: Chi <sup>2</sup> =	4 64 df=	= 2 (P =	0.0000000	$1^{2} = 57\%$	5				
Test for overall effect:					-				
Total (95% CI)			590			1239	100.0%	3.82 [2.29, 5.35]	•
Heterogeneity: Chi <sup>2</sup> =	17.64 dt	= 14 (		$2) \cdot  ^2 = 2$	1%				
Test for overall effect:									-20 -10 Ó 10 20
restron overan ellett.	erences:								Favours [experimental] Favours [control]

Fig S35.Forest plot of PRNFL between HC and DON in OCT of Carl Zeiss

		DON		no	n-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
3.1.1 Overall									
Agnieszka 2022	95.7	5.9	8	108.2	9.6	39	10.7%	-12.50 [-17.58, -7.42]	
Huan Jian 2021	63.47	15.81	6	122.79	15.33	39	6.8%	-59.32 [-72.85, -45.79]	
Jiahui Wu 2022	115.7	4.771	39	104.3	1.459	25	11.6%	11.40 [9.80, 13.00]	
Parya Abdolalizadeh 2021	98.86	26.13	21	95.97	10	30	7.6%	2.89 [-8.84, 14.62]	
Te Zhang 2019	98.3	10.77	30	101.36	8.64	41	10.8%	-3.06 [-7.73, 1.61]	
Subtotal (95% CI)			104			174	47.5%	-11.12 [-26.72, 4.47]	
Heterogeneity: Tau <sup>2</sup> = 298.3	6; Chi <sup>2</sup> = 1	96.00,	df = 4 (	P < 0.000	001); l <sup>2</sup> =	98%			
Test for overall effect: Z = 1.4	40 (P = 0.1	16)							
3.1.2 Superior-hemi									
Agnieszka 2022	98.2	21.4	8	107	10.2	39	6.1%	-8.80 [-23.97, 6.37]	
Jiahui Wu 2022	120.2	5.219	39	107.3	1.939	25	11.6%	12.90 [11.09, 14.71]	*
Parya Abdolalizadeh 2021	101.29	27.8	21	98.87	10.69	30	7.3%	2.42 [-10.07, 14.91]	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Subtotal (95% CI)			68			94	25.0%	3.84 [-9.14, 16.81]	
Heterogeneity: Tau <sup>2</sup> = 102.4	6; Chi <sup>2</sup> = 1	0.25, d	f= 2 (P	= 0.006)	; I <sup>2</sup> = 80	%			
Fest for overall effect: Z = 0.5	58 (P = 0.6	56)							
3.1.3 Inferior-hemi									
Aqnieszka 2022	100.4	14.7	8	109.4	11.8	39	8.0%	-9.00 [-19.84, 1.84]	
Jiahui Wu 2022	111.2	4,465	39	101.2	1.428	25	11.6%	10.00 [8.49, 11.51]	-
Parya Abdolalizadeh 2021	95.47	24.39	21	93.33	10.49	30	7.9%	2.14 (-8.95, 13.23)	
Subtotal (95% CI)			68			94	27.5%	1.93 [-9.93, 13.79]	
Heterogeneity: Tau <sup>2</sup> = 90.88	; Chi <sup>2</sup> = 10	3.31, df	= 2 (P =	0.001);	<sup>2</sup> = 85%	,			
Test for overall effect: Z = 0.3	32 (P = 0.7	75)	12	82 1					
Fotal (95% CI)			240			362	100.0%	-2.41 [-7.86, 3.03]	•
Heterogeneity: Tau <sup>2</sup> = 65.72	: Chi <sup>2</sup> = 23	39.40. d	f= 10 (	P < 0.000	001): <b> </b> <sup>2</sup> =	96%		8 8 8	-50 -25 0 25 5
Test for overall effect: Z = 0.8				8	359				
Fest for subaroup difference			= 2 (P :	= 0.31) P	= 15.7	*			Favours [experimental] Favours [control]

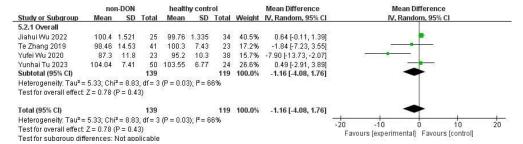
Fig S36.Forest plot of PRNFL between non-DON and DON in OCT of Optovue

		DON			n-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% CI
3.2.1 Overall									
Agnieszka 2022	83.8	7.9	8	99.3	17.2	39	2.9%	-15.50 [-23.19, -7.81]	
Jiahui Wu 2022	96.97	1.301	39	100.4	1.521	25	19.7%	-3.43 [-4.15, -2.71]	*
Parya Abdolalizadeh 2021	87.1	11.32	21	98	7.26	30	5.0%	-10.90 [-16.39, -5.41]	
Te Zhang 2019	90.52	11.89	30	98.46	7.43	41	6.0%	-7.94 [-12.76, -3.12]	
Yufei Wu 2020	84.5	13.4	21	87.3	11.8	23	3.0%	-2.80 [-10.29, 4.69]	and the second s
Yunhai Tu 2023	97.53	10.2	31	104.04	7.41	50	7.4%	-6.51 [-10.65, -2.37]	
Subtotal (95% CI)			150			208	43.9%	-7.27 [-10.80, -3.74]	•
Heterogeneity: Tau <sup>2</sup> = 12.84	; Chi <sup>2</sup> = 3	20.86, d	f= 5 (P	= 0.0009	i); I <sup>2</sup> = 71	5%			
Test for overall effect: Z = 4.	03 (P < 0	.0001)	100		10				
3.2.2 Superior-hemi									
Agnieszka 2022	84.1	9.4	8	95.1	6.5	39	3.5%	-11.00 [-17.83, -4.17]	
Jiahui Wu 2022	97	1.378	39	100.4	1.386	25	19.8%	-3.40 [-4.09, -2.71]	÷.
Parva Abdolalizadeh 2021	87.45	11.42	21	97.13	7.3	30	4.9%		14
Subtotal (95% CI)			68			94	28.2%	-7.30 [-12.84, -1.76]	
Heterogeneity: Tau <sup>2</sup> = 18.31	: Chi <sup>2</sup> = 9	3.46. df	= 2 (P =	0.009);	<sup>2</sup> = 79%			R 21 R	
Test for overall effect: Z = 2.			-18	8					
3.2.3 Inferior-hemi									
Agnieszka 2022	83.6	8.7	8	96.5	6	39	4.0%	-12.90 [-19.22, -6.58]	
Jiahui Wu 2022	97.05	1.295	39	100.4	1.887	25	19.4%		-
Parva Abdolalizadeh 2021	86.6	11.9	21	99	8.07	30	4.5%	-12.40 [-18.25, -6.55]	
Subtotal (95% CI)			68			94		-9.07 [-16.56, -1.59]	
Heterogeneity: Tau <sup>2</sup> = 37.76	i: Chi <sup>2</sup> = 1	17.30. d	f = 2 (P)	= 0.0002	2):   <sup>2</sup> = 8	3%		R N R	
Test for overall effect: Z = 2.			- 12		10				
Total (95% CI)			286			396	100.0%	-5.95 [-7.35, -4.55]	•
Heterogeneity: Tau <sup>2</sup> = 2.45:	$Chi^2 = 43$	7.87. df	= 11 (P	< 0.0000	(1);   <sup>2</sup> = 1	77%		A 2 A	
Test for overall effect: Z = 8.					2015				-20 -10 0 10 20
Test for subaroup difference				2 = 0.91)	P = 0.96				Favours [experimental] Favours [control]



	no	n-DON			ny contr			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% CI
5.1.1 Overall									
Huan Jian 2021	122.79	15.33	39	118.01	13.07	52	6.6%	4.78 [-1.20, 10.76]	
Jiahui Wu 2022	104.3	1.459	25	104	1.401	34	17.6%	0.30 [-0.44, 1.04]	+
Jie Guo 2021	97.8	9.2	42	100.3	6.3	70	12.2%	-2.50 [-5.65, 0.65]	
Te Zhang 2019	101.36	8.64	41	104.91	7.99	23	9.7%	-3.55 [-7.75, 0.65]	
Subtotal (95% CI)			147			179	46.1%	-0.62 [-3.15, 1.92]	*
Heterogeneity: Tau <sup>2</sup> =	3.87: Ch	i <sup>2</sup> = 8.15	5. df = 3	(P = 0.0)	4): $ ^2 = 6$	3%			
Test for overall effect:									
5.1.2 S									
Huan Jian 2021	149.29	18.86	39	143.06	19.51	52	4.4%	6.23 [-1.72, 14.18]	100 B
Jie Guo 2021	120.6	16.3	42	125.4	12.3	70	7.0%	-4.80 [-10.51, 0.91]	
Subtotal (95% CI)			81			122	11.4%		
Heterogeneity: Tau <sup>2</sup> =	48.37; C	hi <sup>≥</sup> = 4.8	8, df=	1 (P = 0.	03); I <sup>z</sup> =	80%		385 G 3	
Test for overall effect	Z = 0.06	(P = 0.9	5)	03F	3000				
5.1.3 T									
Huan Jian 2021	81.18	8.62	39	83.1	13.54	52	9.0%	-1.92 [-6.49, 2.65]	att Barta
Jie Guo 2021	72.3	14.5	42	71.7	9.9	70	8.2%	0.60 [-4.36, 5.56]	10 T T T T T T T T T T T T T T T T T T T
Subtotal (95% CI)			81			122	17.2%	-0.76 [-4.12, 2.60]	-
Heterogeneity: Tau <sup>2</sup> =	0.00; Ch	i <sup>2</sup> = 0.54	, df = 1	(P = 0.4)	6); l <sup>2</sup> = 0	%			
Test for overall effect	Z=0.45	(P = 0.6	6)						
5.1.4									
Huan Jian 2021	156.9	30.36	39	150.73	21.65	52	2.5%	6.17 [-5.03, 17.37]	
Jie Guo 2021	126.7	15.9	42	132.6	12.9	70	7.0%	-5.90 [-11.58, -0.22]	······
Subtotal (95% CI)			81			122	9.6%	-0.87 [-12.53, 10.79]	
Heterogeneity: Tau <sup>2</sup> =				1 (P = 0.	06); I <sup>z</sup> =	72%			
Test for overall effect:	Z=0.15	(P = 0.8	8)						
5.1.5 N									
Huan Jian 2021	104.18		39		19.89	52	4.3%	10.08 [2.02, 18.14]	20 State State St
Jie Guo 2021	68.7	9.4	42	71.4	8.6	70	11.4%	-2.70 [-6.18, 0.78]	
Subtotal (95% CI)			81			122	15.7%	3.15 [-9.33, 15.63]	
Heterogeneity: Tau² = Test for overall effect:				1 (P = 0.	004); I² :	= 88%			
Total (95% CI)			471			667	100.0%	-0.59 [-2.52, 1.34]	
Heterogeneity: Tau <sup>2</sup> =	E DE OL	iz - 27 9		11 /D = 1	0043-9			-0.09 [-2.02, 1.04]	
				11 (P = 0	.004); P	= 00%			-20 -10 0 10 20
Test for overall effect:	2 = 0.60		5) ).39. df						Favours [experimental] Favours [control]

Fig S38.Forest plot of PRNFL between HC and non-DON in OCT of Southeast Asian



## Fig S39.Forest plot of MGGCL between HC and non-DON in OCT of Southeast

Asian

	no	n-DOM	l.	healtl	ny cont	rol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% Cl	IV, Fixed, 95% Cl
5.3.1 Overall									
Yufei Wu 2020	73.9	4.8	50	63.7	3.3	24	29.5%	10.20 [8.33, 12.07]	
Yunhai Tu 2023	45.01	2.65	23	46.59	1.72	38	70.5%	-1.58 [-2.79, -0.37]	
Subtotal (95% CI)			73			62	100.0%	1.90 [0.88, 2.92]	•
Heterogeneity: Chi <sup>2</sup> =	106.93,	df = 1	(P < 0.	00001);	<sup>2</sup> = 99	%			
Test for overall effect	Z = 3.65	5 (P = 0	0.0003)						
Total (95% CI)			73			62	100.0%	1.90 [0.88, 2.92]	•
Heterogeneity: Chi <sup>2</sup> =	106.93.	df = 1	(P < 0.	00001);	<sup>2</sup> = 99	%			
Test for overall effect									-10 -5 0 5 10
Test for subaroup dif									Favours [experimental] Favours [control]

## Fig S40.Forest plot of M-SRCL between HC and non-DON in OCT of Southeast

Asian

	no	n-DOM	E.	healtl	ny cont	rol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% Cl	IV, Fixed, 95% Cl
5.3.1 Overall									
Yufei Wu 2020	73.9	4.8	50	63.7	3.3	24	29.5%	10.20 [8.33, 12.07]	
Yunhai Tu 2023	45.01	2.65	23	46.59	1.72	38	70.5%	-1.58 [-2.79, -0.37]	
Subtotal (95% CI)			73			62	100.0%	1.90 [0.88, 2.92]	•
Heterogeneity: Chi <sup>2</sup> =	= 106.93,	df = 1	(P < 0.	00001);	<sup>2</sup> = 99	%			
Test for overall effect	: Z = 3.65	5 (P = 0	0.0003)						
Total (95% CI)			73			62	100.0%	1.90 [0.88, 2.92]	•
Heterogeneity: Chi <sup>2</sup> =	= 106.93,	df = 1	(P < 0.	00001);	<sup>2</sup> = 99'	%			
Test for overall effect	: Z = 3.65	5 (P = 0	0.0003)	67 BA					-10 -5 0 5 10
Test for subaroup dit	fferences	: Not a	Ispilaa	ble					Favours [experimental] Favours [control]

## Fig S41.Forest plot of M-DRCL between HC and non-DON in OCT of Southeast

Asian

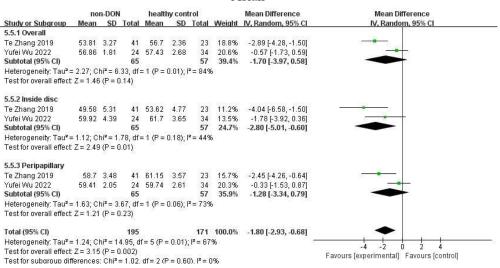


Fig S42.Forest plot of ONH-VD between HC and non-DON in OCTA of Southeast

Asian

an 11 (1997)		on-DON	8216 A		thy contr			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
5.6.1 Overall	29/278	1000	20.25	1997242	12120	1223	1279425790	20000000 20000	20 C
Huan Jian 2021	53.31	2.93		54.26	2.3	52	3.5%	-0.95 [-2.06, 0.16]	
Jiahui Wu 2022		0.5463			0.3173	34	8.0%	-1.17 [-1.41, -0.93]	
Fe Zhang 2019	51.66	3.75		54.73	2.78	23	2.1%	-3.07 [-4.69, -1.45]	
/ufei Wu 2022 Subtotol (05% CN	50.14	1.77	129	50.66	2.5	34 143	3.6% 17.3%	-0.52 [-1.62, 0.58]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> :	- 0.26. 0	hi≅ - 6 01		/P = 01	10) 12 - 60		17.370	-1.23 [-1.92, -0.54]	•
Test for overall effect				(F – 0.1	Jo), I – Ji	170			
5.6.2 Inside disc									
Jiahui Wu 2022	48.28	1.528	25	50.02	0.7654	34	5.7%	-1.74 [-2.39, -1.09]	
Fe Zhang 2019	42.45	10.94	41	48.6	7.06	23		-6.15 [-10.57, -1.73]	an a
/ufei Wu 2022	49.67	5.03	24	52.07	4.67	34	1.0%	-2.40 [-4.95, 0.15]	
Subtotal (95% CI)			90			91	7.1%	-2.50 [-4.29, -0.71]	•
Heterogeneity: Tau₹ Test for overall effect				(P = 0.1	14); I <sup>2</sup> = 49	9%			
5.6.3 Peripapillary									
Jiahui Wu 2022	52.27	0.5562	25	53.24	0.3914	34	8.0%	-0.97 [-1.22, -0.72]	-
Te Zhang 2019	58.73	3.4		61.68	3.71	23	1.8%	-2.95 [-4.79, -1.11]	
rufei Wu 2022	53.04	2.53	24		2.61	34	2.8%	-0.20 [-1.54, 1.14]	
Subtotal (95% CI)			90			91	12.5%	-1.16 [-2.24, -0.08]	•
Heterogeneity: Tau² Test for overall effect				(P = 0.1	06); I² = 69	5%			
5.6.4 Superior-hemi									
Jiahui Wu 2022		0.5126	25	53.07	0.4316	34	8.0%	-0.78 [-1.03, -0.53]	-
Yufei Wu 2022	53.02	2.63	20	53.07	2.99	34	2.5%	-0.27 [-1.73, 1.19]	1000 A
Subtotal (95% CI)	33.0Z	2.03	49	33.29	2.99	54 68	10.5%	-0.77 [-1.01, -0.52]	•
Heterogeneity: Tau <sup>2</sup>	= 0.001 0	hi <sup>2</sup> = 0.46		(P = 0)	50): <b> ?</b> = 0.9		1010/0	and Line design	
Test for overall effect				ų – <u>0</u> .	507,1 = 0				
5.6.5 Inferior-hemi									
liahui Wu 2022	52.24	0.6808	25	53.45	0.431	34	7.7%	-1.21 [-1.51, -0.91]	1. A. C.
Yufei Wu 2022	52.75	2.27	24	53.17	2.57	34	3.0%	-0.42 [-1.67, 0.83]	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Subtotal (95% CI)			49			68	10.8%	-1.06 [-1.67, -0.45]	•
Heterogeneity: Tau <sup>2</sup> Fest for overall effect				(P = 0.3	23); I² = 31	%			
5.6.6 S									
Huan Jian 2021	53.68	3.89	39	54.5	3.37	52	2.3%	-0.82 [-2.35, 0.71]	
Jiahui Wu 2022		0.7111	25		0.5557	34	7.6%	-0.66 [-1.00, -0.32]	-
Subtotal (95% CI)	02.01	0.1111	64	00.0	0.0001	86	9.9%	-0.67 [-1.00, -0.34]	•
Heterogeneity: Tau² Test for overall effect				(P = 0.1	84); I² = 04	%			
5.6.7 T									
Huan Jian 2021	55.36	3.57	39	56.49	2.98	52	2.7%	-1.13 [-2.51, 0.25]	
Jiahui Wu 2022		0.6896			0.6052	34	7.6%	-2.02 [-2.36, -1.68]	
Te Zhang 2019	58.54	4.9		62.45	4.01	23	1.3%	-3.91 [-6.13, -1.69]	
Subtotal (95% CI)			105			109	11.5%	-2.06 [-3.08, -1.04]	◆
Heterogeneity: Tauª Fest for overall effect				(P = 0.1	11); I² = 54	4%			
5.6.81									
Huan Jian 2021	55.54	4.43	39	55.77	3.48	52	2.0%	-0.23 [-1.91, 1.45]	
Jiahui Wu 2022		4.43 0.8863	25	55.5		52 34	7.3%	-0.34 [-0.72, 0.04]	
Subtotal (95% CI)	00:10	0.0003	64	00.0	0.48	34 86	9.3%	-0.33 [-0.71, 0.04]	•
Heterogeneity: Tau <sup>2</sup> Fest for overall effect			df = 1	(P = 0.9	30); I² = 04		0.010	-5155 [-511 1, 615-1]	
5.6.9 N		25							
Huan Jian 2021	48.64	3.85	39	50.35	4	52	2.1%	-1.71 [-3.34, -0.08]	
Jiahui Wu 2022		0.7074	25		0.5827	34	7.5%	-0.45 [-0.79, -0.11]	+
Fe Zhang 2019	56.42	3.86		57.14	4.09	23	1.5%	-0.72 [-2.77, 1.33]	
			105			109	11.1%	-0.59 [-1.12, -0.06]	•
Subtotal (95% CI)			df = 2	(P = 0.3	32); I <sup>z</sup> = 1			1 1 30	
Subtotal (95% CI) Heterogeneity: Tau² Test for overall effect	L = 2.18								
Heterogeneity: Tau² Test for overall effect	L Z = 2.18		500000 500000						▲
Heterogeneity: Tau <sup>z</sup> Fest for overall effect F <b>otal (95% Cl)</b>			745	22000	-		100.0%	-1.08 [-1.35, -0.81]	· · · · ·
Heterogeneity: Tau <sup>2</sup>	= 0.23; C		34, df :	= 23 (P	< 0.00001			-1.08 [-1.35, -0.81]	-10 -5 0 5 10

Fig S43.Forest plot of RPC-VD between HC and non-DON in OCTA of Southeast Asian

		DON			ny contr			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
5.1.1 Overall									
luan Jian 2021	63.47	15.81	6	118.01	13.07	52	4.0%	-54.54 [-67.68, -41.40]	
liahui Wu 2022	115.7	4.771	39	104	1.401	34	5.3%	11.70 [10.13, 13.27]	-
ie Guo 2021	110.6	34.2	68	100.3	6.3	70	4.7%	10.30 [2.04, 18.56]	
(yung-Ah Park 2016	101	11	30	96	8	94	5.1%	5.00 [0.74, 9.26]	+
yung-Ah Park 2018	97	10	20	97	8	94	5.1%	0.00 [-4.67, 4.67]	+
e Zhang 2019	98.3	10.77	30	104.91	7.99	23	5.1%	-6.61 [-11.66, -1.56]	
Subtotal (95% CI)			193			367	29.3%	-4.04 [-14.14, 6.05]	+
leterogeneity: Tau <sup>2</sup> =	147.12:	Chi <sup>z</sup> = 1	53.95.	df = 5 (P	< 0.000	01):   <sup>2</sup> =	97%		
est for overall effect:	Z=0.79	(P = 0.4	3)			1224			
5.1.2 S									
luan Jian 2021	66.4	26.29	6	143.06	19.51	52	2.9%	-76.66 [-98.35, -54.97]	
lie Guo 2021	137.2	50.1	68	125.4	12.3	70	4.2%	11.80 [-0.45, 24.05]	<u>+</u>
(yung-Ah Park 2016	125	22	30	118	14	94	4.7%	7.00 [-1.37, 15.37]	++
yung-Ah Park 2018	120	24	20	118	14	94	4.4%	2.00 [-8.89, 12.89]	
Subtotal (95% CI)			124			310	16.1%	-11.97 [-37.50, 13.56]	
Heterogeneity: Tau <sup>2</sup> =	628 46	$Chi^2 = 5$		f=3(P<	0 0000				
Fest for overall effect:						644S			
5.1.3 T									
luan Jian 2021	62.17	24.86	6	83.1	13.54	52	3.0%	-20.93 [-41.16, -0.70]	
ie Guo 2021	78.1	21.7	68	71.7	9.9	70	5.0%	6.40 [0.74, 12.06]	
yung-Ah Park 2016	76	8	30	73	12	94	5.2%	3.00 [-0.75, 6.75]	+
yung-Ah Park 2018	76	10	20	73	12	94	5.1%	3.00 [-2.01, 8.01]	-
Subtotal (95% CI)		10	124			310	18.3%	2.88 [-1.61, 7.36]	•
Heterogeneity: Tau <sup>2</sup> =	10.49 0	$hi^2 = 6.7$		3(P = 0)	08): I <sup>2</sup> =				
Fest for overall effect:	St 92 - 1923		S 10 - 1	0 (i = 0.	00,11	00.0			
5.1.4									
Huan Jian 2021	70.67	25.05	6	150.73	21.65	52	3.0%	-80.06 [-100.95, -59.17]	
lie Guo 2021	147.2		68	132.6	12.9	70	4.2%	14.60 [2.27, 26.93]	
(yung-Ah Park 2016	130	18	30	124	15	94	4.9%	6.00 [-1.12, 13.12]	
yung-Ah Park 2018	125	18	20	124	15	94	4.7%	1.00 [-7.45, 9.45]	
Subtotal (95% CI)			124			310	16.7%	-12.48 [-36.89, 11.93]	
Heterogeneity: Tau <sup>2</sup> =	576.68	Chi <sup>z</sup> = 6		f= 3 (P <	0 0000				
Fest for overall effect:						6415 			
5.1.5 N									
luan Jian 2021	53	9.06	6	94.1	19.89	52	4.6%	-41.10 [-50.14, -32.06]	teresting of the second s
lie Guo 2021	80.1	28.6	68	71.4	8.6	70	4.9%	8.70 [1.61, 15.79]	
(yung-Ah Park 2016	73	11	30	69	12	94	5.1%	4.00 [-0.62, 8.62]	
(yung-Ah Park 2018	69	9	20	69	12	94	5.1%	0.00 [-4.63, 4.63]	+
Subtotal (95% CI)			124			310	19.7%	-6.72 [-22.68, 9.25]	-
Heterogeneity: Tau <sup>2</sup> =	254.15:	Chi <sup>2</sup> = 8		f=3(P <	0.0000				
Fest for overall effect:					2.0000	onty.			
Total (95% CI)			689			1607	100.0%	-5.16 [-10.57, 0.24]	•
Heterogeneity: Tau <sup>2</sup> =	143.53:	$Chi^2 = 4$	11.10	df = 21 (F	< 0.00	001); P	= 95%		- to to to a
									-100 -50 0 50 11
est for overall effect.	L = 1.87	iP = 0.0	b1						Favours [experimental] Favours [control]

### Fig S44.Forest plot of PRNFL between HC and DON in OCT of Southeast Asian

		DON		health	ny contr	ol		Mean Difference	Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% CI	
6.2.1 Overall										
Jiahui Wu 2022	96.97	1.301	39	99.76	1.335	34	34.2%	-2.79 [-3.40, -2.18]	-	
Te Zhang 2019	90.52	11.89	30	100.3	7.43	23	22.5%	-9.78 [-15.01, -4.55]	1	
Yufei Wu 2020	84.5	13.4	21	95.2	10.3	38	18.6%	-10.70 [-17.30, -4.10]	· · · · · · · · · · · · · · · · · · ·	
Yunhai Tu 2023	97.53	10.2	31	103.55	6.77	24	24.7%	-6.02 [-10.52, -1.52]		
Subtotal (95% CI)			121			119	100.0%	-6.63 [-10.83, -2.43]		
Heterogeneity: Tau <sup>2</sup> :	= 13.35; (	Chi <sup>2</sup> = 1	3.88, dt	= 3 (P =	0.003);	I= 789	%			
Test for overall effect	Z = 3.09	9 (P = 0.	002)							
Total (95% CI)			121			119	100.0%	-6.63 [-10.83, -2.43]	-	
Heterogeneity: Tau <sup>2</sup> :	= 13.35; (	Chi <sup>2</sup> = 1	3.88, dt	'= 3 (P =	0.003);	<sup>2</sup> = 78 <sup>4</sup>	Ж		-20 -10 0 10	20
Test for overall effect	Z = 3.09	P = 0.	002)						-20 -10 0 10 Favours (experimental) Favours (cont	1.122
Test for subaroup dif	ferences	: Not ap	plicabl	е					Favours (experimental) Favours (cont	roll

### Fig S45.Forest plot of MGGCL between HC and DON in OCT of Southeast Asian

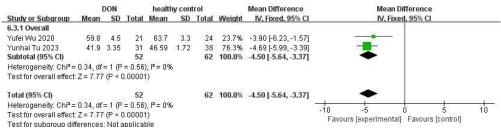


Fig S46. Forest plot of M-SRCL between HC and DON in OCTA of Southeast Asian

	1	DON		healt	ny com	trol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% Cl	IV, Fixed, 95% CI
6.4.1 Overall									
Yufei Wu 2020	66.4	7.7	21	73.9	4.8	24	12.8%	-7.50 [-11.31, -3.69]	
Yunhai Tu 2023	48.74	3.46	31	50.07	2.54	38	87.2%	-1.33 [-2.79, 0.13]	
Subtotal (95% CI)			52			62	100.0%	-2.12 [-3.49, -0.76]	•
Heterogeneity: Chi <sup>2</sup> =	8.77, df	= 1 (P	= 0.00	3); l <sup>2</sup> = 8	9%				
Test for overall effect	Z = 3.05	5 (P = 1	0.002)						
Total (95% CI)			52			62	100.0%	-2.12 [-3.49, -0.76]	•
Heterogeneity: Chi <sup>2</sup> =	8.77, df	= 1 (P	= 0.00	3); l <sup>2</sup> = 8	9%			20 N N N N	
Test for overall effect	Z = 3.05	5 (P = 0	0.002)						-10 -5 0 5 10 Favours [experimental] Favours [control]
Test for subaroup dif	ferences	: Not a	applica	ble					Favours (experimental) Favours (control)

Fig S47. Forest plot of M-DRCL between HC and DON in OCTA of Southeast Asian

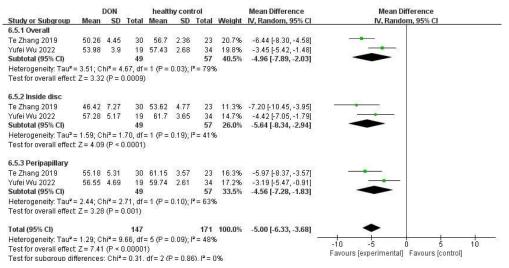


Fig S48. Forest plot of ONH-VD between HC and DON in OCTA of Southeast Asian

Study or Subgroup		DON		heal	thy control	ol		Mean Difference	Mean Difference
	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% CI
6.6.1 Overall									
Huan Jian 2021	48.9	5.24	6	54.26	2.3	52	1.6%	-5.36 [-9.60, -1.12]	
Jiahui Wu 2022	48.24	0.4978	- 39	50.33	0.3173	34	7.0%	-2.09 [-2.28, -1.90]	
Te Zhang 2019	32.18	5.48	30	54.73	2.78	23	3.6%	-22.55 [-24.82, -20.28]	1. The second
Yufei Wu 2022	47.42	3.7	19	50.66	2.5	34	4.2%	-3.24 [-5.10, -1.38]	-
Subtotal (95% CI)			94			143	16.4%	-8.31 [-16.96, 0.35]	
Heterogeneity: Tau <sup>2</sup> =				f= 3 (P	< 0.00001	);   <b>2</b> = 9	19%		
Test for overall effect:	Z=1.88	8 (P = 0.0)	6)						
6.6.2 Inside disc									*ante
Jiahui Wu 2022	47.83	0.9849	39	50.02	0.7654	34	6.8%	-2.19 [-2.59, -1.79]	
Te Zhang 2019	39.17	8.96	30	48.6	7.06	23	1.5%	-9.43 [-13.74, -5.12]	2722 - 24
Yufei Wu 2022	47.13	5.67	19	52.07	4.67	34	2.6%	-4.94 [-7.93, -1.95]	
Subtotal (95% CI)			88			91	11.0%	-5.03 [-8.88, -1.19]	•
Heterogeneity: Tau² = Test for overall effect:				2 (P = 0	0.001); I²=	85%			
6.6.3 Peripapillary									
Jiahui Wu 2022	51.5	0.5399	39	53.24	0.3914	34	7.0%	-1.74 [-1.95, -1.53]	-
Te Zhang 2019	55.36	5.4		61.68	3.71	23	3.3%	-6.32 [-8.78, -3.86]	
Yufei Wu 2022	50.2	4.58		53.24	2.61	34	3.6%	-3.04 [-5.28, -0.80]	-
Subtotal (95% CI)			88			91	13.8%	-3.49 [-6.11, -0.87]	•
Heterogeneity: Tau² = Test for overall effect:				2 (P = 0	1.0007); I²	= 86%			
6.6.4 Superior-hemi									
Jiahui Wu 2022	51 23	0.6456	30	53.07	0.4316	34	7.0%	-1.84 [-2.09, -1.59]	
Yufei Wu 2022	50.29	4.75		53.29	2.99	34	3.4%	-3.00 [-5.36, -0.64]	
Subtotal (95% CI)	00.20		58			68	10.4%	-1.85 [-2.10, -1.60]	
Heterogeneity: Tau <sup>2</sup> =	0.0010	hi² = 0.92		$(\mathbf{P} = 0)$	34):   <sup>2</sup> = 0.9				
Test for overall effect:				(*****),					
6.6.5 Inferior-hemi	29/122	5.7578	2125	201912	2022	12131	0.012	10120-000-01 N. 202	
Jiahui Wu 2022		0.4911		53.45	0.431	34	7.0%	-1.72 [-1.93, -1.51]	2
	50.12	4.66	10000	53.17	2.57	34	3.6%	-3.05 [-5.32, -0.78]	
Yufei Wu 2022 Subtotal (95% CI)	905487 59		58	1005 - 5492		68	3.6% 10.5%	-3.05 [-5.32, -0.78] - <b>1.89 [-2.75, -1.02]</b>	•
Subtotal (95% Cl) Heterogeneity: Tau² =	0.21; C	hi² = 1.31	58 , df = 1	1005 - 5492		68			•
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect:	0.21; C	hi² = 1.31	58 , df = 1	1005 - 5492		68			•
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect: 6.6.6 S	0.21; C	hi² = 1.31	58 , df = 1	1005 - 5492		68	10.5%	-1.89 [-2.75, -1.02]	
	0.21; C Z = 4.28 27.8	hi² = 1.31 } (P < 0.0)	58 , df = 1 001)	(P = 0. 54.5	25); I <sup>z</sup> = 24	68 1%	10.5%		
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect 6.6.6 S Huan Jian 2021 Jiahui Wu 2022	0.21; C Z = 4.28 27.8	hi² = 1.31 } (P < 0.0) 8.93	<b>58</b> , df = 1 001) 6	(P = 0. 54.5	25); I² = 24 3.37	68 1% 52	<b>10.5%</b> 0.6% 6.9%	- <b>1.89 [-2.75, -1.02]</b> -26.70 [-33.90, -19.50]	
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect: 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> =	0.21; C Z = 4.28 27.8 52.24 316.83	hi² = 1.31 } (P < 0.0) 8.93 0.6658 ; Chi² = 4	58 , df = 1 D01) 6 39 45 7.84, d	(P = 0. 54.5 53.5	25); I <sup>z</sup> = 24 3.37 0.5557	68 1% 52 34 86	<b>10.5%</b> 0.6% 6.9% <b>7.6</b> %	- <b>1.89 [-2.75, -1.02]</b> -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98]	
Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.7 T	0.21; C Z = 4.28 27.8 52.24 316.83; Z = 1.08	hi <sup>z</sup> = 1.31 3 (P < 0.0) 8.93 0.6658 3 (Chi <sup>z</sup> = 4 3 (P = 0.2)	58 , df = 1 D01) 6 39 45 7.84, d 8)	(P = 0. 54.5 53.5 f= 1 (P	25); I <sup>z</sup> = 24 3.37 0.5557 < 0.00001	68 \$2 34 86 );  *= 9	0.6% 0.6% 6.9% <b>7.6%</b> 18%	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21]	
Subtotal (95% Cl) Heterogeneik: Tau <sup>#</sup> = Test for overall effect 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneik: Tau <sup>#</sup> = Test for overall effect 6.6.7 T Huan Jian 2021	0.21; C Z = 4.28 27.8 52.24 316.83 Z = 1.08 37.83	hi <sup>z</sup> = 1.31 3 (P < 0.0) 8.93 0.6658 5 (Chi <sup>z</sup> = 4 3 (P = 0.2) 6.37	58 , df = 1 001) 6 39 45 7.84, d 8) 6	(P = 0. 54.5 53.5 f= 1 (P 56.49	25); I <sup>#</sup> = 24 3.37 0.5557 < 0.00001 2.98	68 1% 52 34 86 ); I <sup>2</sup> = 9 52	10.5% 0.6% 6.9% 7.6% 18%	- <b>1.89 [-2.75, -1.02]</b> -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98]	
Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> = Test for overall effect 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> = Test for overall effect: 6.6.7 T Huan Jian 2021 Jiahui Wu 2022	0.21; C Z = 4.28 27.8 52.24 316.83; Z = 1.08 37.83 53.27	hi <sup>2</sup> = 1.31 8 (P < 0.0) 8.93 0.6658 5 Chi <sup>2</sup> = 4 8 (P = 0.2) 6.37 0.8564	58 , df = 1 001) 6 39 45 7.84, d 8) 6 39	(P = 0. 54.5 53.5 f= 1 (P 56.49 56.18	25); I <sup>z</sup> = 24 3.37 0.5557 < 0.00001 2.98 0.6052	68 1% 52 34 86 ); I² = 9 52 34	10.5% 0.6% 6.9% 7.6% 18% 1.2% 6.9%	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57]	
Subtotal (95% Cl) Heterogeneiky: Tau <sup>#</sup> = Test for overall effect 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneiky: Tau <sup>#</sup> = Test for overall effect 6.6.7 T Huan Jian 2021 Jiahui Wu 2022	0.21; C Z = 4.28 27.8 52.24 316.83 Z = 1.08 37.83	hi <sup>z</sup> = 1.31 3 (P < 0.0) 8.93 0.6658 5 (Chi <sup>z</sup> = 4 3 (P = 0.2) 6.37	58 , df = 1 001) 6 39 45 7.84, d 8) 6 39 30	(P = 0. 54.5 53.5 f= 1 (P 56.49	25); I <sup>#</sup> = 24 3.37 0.5557 < 0.00001 2.98	68 1% 52 34 86 );  * = 9 52 34 23	10.5% 0.6% 6.9% 7.6% 18% 1.2% 6.9% 3.1%	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57] -9.10 [-11.64, -6.56]	
Subtotal (95% Cl) Heterogeneik: Tau <sup>2</sup> = Test for overall effect: 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneik: Tau <sup>2</sup> = Test for overall effect: 6.6.7 T Huan Jian 2021 Jiahui Wu 2022 Te Zhang 2019	0.21; C Z = 4.28 27.8 52.24 316.83; Z = 1.08 37.83 53.27	hi <sup>2</sup> = 1.31 8 (P < 0.0) 8.93 0.6658 5 Chi <sup>2</sup> = 4 8 (P = 0.2) 6.37 0.8564	58 , df = 1 001) 6 39 45 7.84, d 8) 6 39	(P = 0. 54.5 53.5 f= 1 (P 56.49 56.18	25); I <sup>z</sup> = 24 3.37 0.5557 < 0.00001 2.98 0.6052	68 1% 52 34 86 ); I² = 9 52 34	10.5% 0.6% 6.9% 7.6% 18% 1.2% 6.9%	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57]	
Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> = Test for overall effect 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> = Test for overall effect 6.6.7 T Huan Jian 2021 Jiahui Wu 2022 Te Zhang 2019 Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> =	0.21; C Z = 4.28 27.8 52.24 316.83; Z = 1.08 37.83 53.27 53.35 38.31; (	hi <sup>z</sup> = 1.31 8 (P < 0.0) 8.93 0.6658 9 (P = 0.2) 6.37 0.8564 5.44 Chi <sup>z</sup> = 67.	58 , df = 1 001) 6 39 45 7.84, d 8) 6 39 30 75 49, df:	(P = 0. 54.5 53.5 f= 1 (P 56.49 56.18 62.45	25);  * = 24 3.37 0.55557 < 0.00001 2.98 0.6052 4.01	68 4% 52 34 86 );  * = 9 52 34 23 109	10.5% 0.6% 6.9% 7.6% 18% 1.2% 6.9% 3.1% 11.2%	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57] -9.10 [-11.64, -6.56]	
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Subtotal (95% Cl) Heterogeneiky: Tau <sup>#</sup> = Test for overall effect: 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneiky: Tau <sup>#</sup> = Test for overall effect: 6.6.7 T Huan Jian 2021 Jiahui Wu 2022 Te Zhang 2019 Subtotal (95% Cl) Heterogeneiky: Tau <sup>#</sup> = Test for overall effect: 6.6.8 I Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> = Test for overall effect: 6.6.9 N	0.21; CE Z= 4.26 27.8 52.24 316.83 Z= 1.06 35.27 53.35 38.31; Z= 2.65 30.83 54.36 276.71 Z= 1.06 30.67	$\begin{array}{l} hi^{\texttt{r}} = 1.31\\ (P < 0.0)\\ (P < 0.0)\\ 0.6658\\ O(P^{\texttt{r}} = 4\\ O(P = 0.2)\\ 0.8664\\ 5.44\\ O(P = 0.2)\\ O(P = 0.2)\\$	58 , df = 1 001) 6 39 45 7.84, dt 8) 6 39 30 75 7.84, dt 8) 08) 6 45 2.87, dt 8) 6 6 6 6 8) 6 6 7 5 5 2.87, dt 8)	(P = 0. 54.5 53.5 f= 1 (P 56.49 56.18 62.45 55.77 55.5 f= 1 (P 50.35	25);  ⁼ = 24 3.37 0.5557 < 0.00001 2.98 0.8052 4.01 0.00001); 3.48 0.48 < 0.00001	68 52 34 52 34 52 34 23 109  P = 97 52 34 86 );  P = 9 52 34 52 34 52 34 52 34 52 34 52 34 52 34 52 52 52 52 52 52 52 52 52 52	10.5% 0.6% 6.9% 7.6% 1.2% 6.9% 3.1% 11.2% % 0.9% 7.0% 7.0% 7.9%	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57] -9.10 [-1.164, -6.56] -9.78 [-17.03, -2.54] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -12.85 [-36.17, 10.47] -19.68 [-25.18, -14.18]	
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Subtotal (95% Cl) Heterogeneik: Tau <sup>2</sup> = Test for overall effect: 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneik: Tau <sup>2</sup> = Test for overall effect: 6.6.7 T Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneik: Tau <sup>2</sup> = Test for overall effect: 6.6.8 I Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneik: Tau <sup>2</sup> = Test for overall effect: 6.6.9 N Huan Jian 2021 Jiahui Wu 2022 Test for overall effect: 6.6.9 N	0.21; CE Z= 4.26 27.8 52.24 316.83 Z= 1.06 35.27 53.35 38.31; Z= 2.65 30.83 54.36 276.71 Z= 1.06 30.67	$\begin{array}{l} hi^{\texttt{r}} = 1.31\\ (P < 0.0)\\ (P < 0.0)\\ 0.6658\\ O(P^{\texttt{r}} = 4\\ O(P = 0.2)\\ 0.8664\\ 5.44\\ O(P = 0.2)\\ O(P = 0.2)\\$	58 , df = 1 001) 6 39 45 7.84, d 8) 6 39 39 75 75 49, df: 08) 6 39 45 2.87, d 8) 6 39 45 39 45 39 45 39 30 30 30 30 30 30 30 30 30 30 30 30 30	(P = 0. 54.5 53.5 f= 1 (P 56.49 56.18 62.45 55.77 55.5 f= 1 (P 50.35	25);  ⁼ = 24 3.37 0.5557 < 0.00001 2.98 0.8052 4.01 0.00001); 3.48 0.48 < 0.00001	68 52 34 86 52 23 109 52 34 86 52 34 86 52 34 86 52 34 86 52 34 86 52 34 86 52 34 23 109 52 34 52 23 34 52 23 34 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 23 52 52 52 52 52 52 52 52 52 52	10.5% 0.6% 6.9% 7.6% 1.2% 88% 1.2% 3.1% 11.2% 0.9% 7.9% 88%	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57] -9.10 [-11.64, -6.56] -9.78 [-17.03, -2.54] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -12.85 [-36.17, 10.47] -19.68 [-25.18, -14.18] -1.55 [-1.86, -1.24] -3.63 [-6.08, -1.14]	
Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.7 T Huan Jian 2021 Jiahui Wu 2022 Test for overall effect: 6.6.8 I Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.8 N Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.9 N Huan Jian 2021 Jiahui Wu 2022 Te Zhang 2019 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> =	0.21; C Z = 4.26 27.8 52.24 316.83 Z = 1.06 37.83 53.27 53.35 38.31; i Z = 2.66 30.83 54.36 270.71; Z = 1.06 30.67 47.42 53.51 27.98; i	$\begin{aligned} & hi^{II} = 1.31 \\ & (P < 0.0) \\ & 8.93 \\ & 0.6658 \\ & Oh^{II} = 4 \\ & (P = 0.2) \\ & 6.37 \\ & 0.8564 \\ & 5.44 \\ & Oh^{II} = 67, \\ & 7.25 \\ & 0.6228 \\ & Oh^{II} = 6, \\ & O$	58 , df = 1 001) 6 39 45 7.84, df 8) 6 39 45 49, df 8) 6 39 45, df 8) 6 39 45, df 8) 6 39 45, df 8) 6 39 45, df 9) 108) 108) 108 108 108 108 108 108 108 108 108 108	(P = 0. 54.5 53.5 (F = 1 (P 56.49 56.18 62.45 = 2 (P < 55.57 (F = 1 (P 50.35 57.14	25);  ≠ = 24 3.37 0.5557 < 0.00001 2.98 0.8052 4.01 0.00001), 3.48 0.48 < 0.00001 4.05827 4.09	68 52 34 86 52 34 86 52 34 109 1P = 97 52 34 86 52 34 109 1P = 9 52 34 109 1P = 9 52 34 109 109 109 109 109 109 109 109	10.5% 0.6% 6.9% 7.6% 1.2% 6.9% 3.1% 11.2% %	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57] -9.10 [-11.64, -6.56] -9.78 [-17.03, -2.54] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -12.85 [-36.17, 10.47] -19.68 [-25.18, -14.18] -1.55 [-1.86, -1.24]	
Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.7 T Huan Jian 2021 Jiahui Wu 2022 Test for overall effect: 6.6.8 I Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.8 N Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> = Test for overall effect: 6.6.9 N Huan Jian 2021 Jiahui Wu 2022 Te Zhang 2019 Subtotal (95% Cl) Heterogeneily: Tau <sup>2</sup> =	0.21; C Z = 4.26 27.8 52.24 316.83 Z = 1.06 37.83 53.27 53.35 38.31; i Z = 2.66 30.83 54.36 270.71; Z = 1.06 30.67 47.42 53.51 27.98; i	$\begin{aligned} & hi^{II} = 1.31 \\ & (P < 0.0) \\ & 8.93 \\ & 0.6658 \\ & Oh^{II} = 4 \\ & (P = 0.2) \\ & 6.37 \\ & 0.8564 \\ & 5.44 \\ & Oh^{II} = 67, \\ & 7.25 \\ & 0.6228 \\ & Oh^{II} = 6, \\ & O$	58 , df = 1 001) 6 39 45 7.84, df 8) 6 39 45 49, df 8) 6 39 45, df 8) 6 39 45, df 8) 6 39 45, df 8) 6 39 45, df 9) 108) 108) 108 108 108 108 108 108 108 108 108 108	(P = 0. 54.5 53.5 (F = 1 (P 56.49 56.18 62.45 = 2 (P < 55.57 (F = 1 (P 50.35 57.14	25);  ≠ = 24 3.37 0.5557 < 0.00001 2.98 0.8052 4.01 0.00001), 3.48 0.48 < 0.00001 4.05827 4.09	68 52 34 86 52 34 86 52 34 109 1P = 97 52 34 86 52 34 109 1P = 9 52 34 109 1P = 9 52 34 109 109 109 109 109 109 109 109	10.5% 0.6% 6.9% 7.6% 1.2% 6.9% 3.1% 11.2% %	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57] -9.10 [-11.64, -6.56] -9.78 [-17.03, -2.54] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -12.85 [-36.17, 10.47] -19.68 [-25.18, -14.18] -1.55 [-1.86, -1.24] -3.63 [-6.08, -1.14]	
Subtotal (95% CI) Heterogeneik: Tau <sup>#</sup> = Test for overall effect 6.6.6 S Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% CI) Heterogeneik: Tau <sup>#</sup> = Test for overall effect 6.6.7 T Huan Jian 2021 Jiahui Wu 2022 Te Zhang 2019 Subtotal (95% CI) Heterogeneik: Tau <sup>#</sup> = Test for overall effect 6.6.8 I Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% CI) Heterogeneik: Tau <sup>#</sup> = Test for overall effect 6.6.9 N Huan Jian 2021 Jiahui Wu 2022 Te Zhang 2019 Subtotal (95% CI) Heterogeneik: Tau <sup>#</sup> = Test for overall effect	0.21; C Z = 4.26 27.8 52.24 316.83 Z = 1.06 37.83 53.27 53.35 38.31; i Z = 2.66 30.83 54.36 270.71; Z = 1.06 30.67 47.42 53.51 27.98; i	$\begin{aligned} & hi^{II} = 1.31 \\ & (P < 0.0) \\ & 8.93 \\ & 0.6658 \\ & Oh^{II} = 4 \\ & (P = 0.2) \\ & 6.37 \\ & 0.8564 \\ & 5.44 \\ & Oh^{II} = 67, \\ & 7.25 \\ & 0.6228 \\ & Oh^{II} = 6, \\ & O$	58 , df = 1 001) 6 39 45 7.84, df 8) 6 39 45 49, df 8) 6 39 45, df 8) 6 39 45, df 8) 6 39 45, df 8) 6 39 45, df 9) 108) 108) 108 108 108 108 108 108 108 108 108 108	(P = 0. 54.5 53.5 (F = 1 (P 56.49 56.18 62.45 = 2 (P < 55.57 (F = 1 (P 50.35 57.14	25);  ≠ = 24 3.37 0.5557 < 0.00001 2.98 0.8052 4.01 0.00001), 3.48 0.48 < 0.00001 4.05827 4.09	68 52 34 86 86 87 52 34 23 109 F = 97 52 34 86 52 34 87 52 34 87 52 34 70 9 F = 97 52 34 70 9 F = 97 52 34 70 9 F = 97 52 34 70 9 70 70 70 70 70 70 70 70 70 70 70 70 70	10.5% 0.6% 6.9% 7.6% 1.2% 6.9% 3.1% 11.2% %	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57] -9.10 [-11.64, -6.56] -9.78 [-17.03, -2.54] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -12.85 [-36.17, 10.47] -19.68 [-25.18, -14.18] -1.55 [-1.86, -1.24] -3.63 [-6.08, -1.18] -7.46 [-13.73, -1.19]	
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect: 6.6.6 S Huan Jian 2021	0.21; C Z = 4.26 27.8 52.24 316.83 Z = 1.06 37.83 53.27 53.35 53.35 53.83 54.36 30.83 54.36 278.71, Z = 1.06 30.67 47.42 53.51 27.88; Z = 2.33	$\begin{aligned} & hi^{r} = 1.31 \\ (P < 0.0) \\ & 8.93 \\ 0.6658 \\ & Chi^{r} = 4 \\ (P = 0.2) \\ & 6.37 \\ & 0.8564 \\ & 5.44 \\ & Chi^{r} = 57, \\ & r (P = 0.0) \\ & 7.25 \\ & 0.6228 \\ & Chi^{r} = 6, \\ & Chi^{r} = 4, \\ & O, \\ & Chi^{r} = 4, \\ & O, \\ & Chi^{r} = 4, \\ & O, \\ $	58 , df = 1 001) 6 39 45 49 45 75 784, df 39 300 75 49, df 39 300 6 39 45 22.87, df 8) 6 39 45 22.87, df 39 300 75 71, 7, df 22 20 72 49, 40 50 75 75 49, df 10 75 75 49, df 10 75 75 49, df 10 75 75 49, df 10 75 75 49, df 10 75 75 49, df 10 75 75 75 49, df 10 75 75 75 75 75 75 75 75 75 75 75 75 75	(P = 0. 54.5 53.5 53.5 56.18 62.45 55.77 55.5 5 55.77 55.5 5 51.0 (P = 0. (P = 0.) 56.49 56.18 62.45 55.77 55.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	25);  = = 24 3.37 0.5557 < 0.00001 2.98 0.6052 4.01 0.00001); 3.48 0.48 < 0.00001 4 0.5927 4.09 0.00001);	68 52 34 86 52 34 86 52 34 109 52 34 86 52 34 109 52 34 86 52 34 109 52 34 86 52 34 109 52 34 86 52 34 109 52 34 86 52 34 109 52 34 86 52 34 109 52 34 86 52 34 86 52 34 109 52 34 86 52 34 86 52 34 86 52 34 86 52 34 86 52 34 86 52 34 86 52 34 86 52 34 86 52 34 86 52 86 86 86 86 86 86 86 86 86 86	10.5% 0.6% 6.9% 7.6% 8% 1.2% 8% 0.9% 7.0% 7.0% 7.0% 7.0% 7.0% 7.0% 11.2% %	-1.89 [-2.75, -1.02] -26.70 [-33.90, -19.50] -1.26 [-1.54, -0.98] -13.71 [-38.64, 11.21] -18.66 [-23.82, -13.50] -2.91 [-3.25, -2.57] -9.10 [-11.64, -6.56] -9.78 [-17.03, -2.54] -24.94 [-30.82, -19.06] -1.14 [-1.39, -0.89] -12.85 [-36.17, 10.47] -19.68 [-25.18, -14.18] -1.55 [-1.86, -1.24] -3.63 [-6.08, -1.14]	

Fig S49. Forest plot of RPC-VD between HC and DON in OCTA of Southeast Asian

		DON			n-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
7.1.1 Overall									
-Iuan Jian 2021	63.47	15.81	6	122.79	15.33	- 39	8.3%	-59.32 [-72.85, -45.79]	1000
Jiahui Wu 2022	115.7	4.771	39	104.3	1.459	25	9.1%	11.40 [9.80, 13.00]	-
lie Guo 2021	110.6	34.2	68	97.8	9.2	42	8.7%	12.80 [4.21, 21.39]	-
e Zhang 2019	98.3	10.77	30	101.36	8.64	41	9.0%	-3.06 [-7.73, 1.61]	-
Subtotal (95% CI)			143			147	35.1%	-8.11 [-25.38, 9.16]	+
Heterogeneity: Tau <sup>2</sup> :	= 293.21;	Chi <sup>2</sup> =	132.79	df = 3 (F	< 0.00	001); P	= 98%	(19) (A A	
est for overall effect				6. <u>8</u> 5		2244			
.1.2 S									
luan Jian 2021	66.4	26.29	6	149.29	18.86	39	7.2%	-82.89 [-104.74, -61.04]	34
lie Guo 2021		50.1	68	120.6		42	8.3%	16.60 [3.71, 29.49]	-
Subtotal (95% CI)			74			81		-32.74 [-130.23, 64.76]	
Heterogeneity: Tau <sup>2</sup> :	= 4865.3	5: Chi <sup>2</sup> =	= 59.08	df = 1 (F	< 0.00	001): I <sup>2</sup>		5 K K	
Fest for overall effect				6. 18		3559			
7.1.3 T									
luan Jian 2021	62.17	24.86	6	81.18	8.62	39	7.5%	-19.01 [-39.08, 1.06]	
lie Guo 2021	78.1		68	72.3	14.5	42	8.9%	5.80 [-0.97, 12.57]	-
Subtotal (95% CI)			74			81	16.3%	-4.73 [-28.77, 19.30]	•
Heterogeneity: Tau <sup>2</sup> :	= 249.35	Chi <sup>2</sup> =	5 27 dt	f=1 (P=	0.02) <sup>,</sup> P	= 81%			
Fest for overall effect				10	- 60				
7.1.4									
Huan Jian 2021	70.67	25.05	6	156.9	30.36	39	7.2%	-86.23 [-108.42, -64.04]	
lie Guo 2021		50.3	68	126.7		42	8.3%	20.50 [7.61, 33.39]	- <del></del> -
Subtotal (95% CI)			74			81		-32.47 [-137.06, 72.12]	
Heterogeneity: Tau <sup>2</sup> :	= 5609.9	2. Chił =	66 44	df = 1 (F	< 0.00	001): 17			
est for overall effect				a. v	0.00				
.1.5 N									
luan Jian 2021	53	9.06	6	104.18	19.04	39	8.7%	-51.18 [-60.57, -41.79]	1. the second
lie Guo 2021	80.1	28.6	68	68.7	9.4	42	8.8%	11.40 [4.03, 18.77]	-
Subtotal (95% CI)			74			81	17.5%	-19.82 [-81.15, 41.51]	
Heterogeneity: Tau <sup>2</sup> :	= 1939 5	7: Chi <sup>2</sup> =	= 105.5	3. df = 1 i	P < 0.0	00011			
est for overall effect				20	13.				
otal (95% CI)			439			471	100.0%	-16.45 [-29.43, -3.48]	•
Heterogeneity: Tau <sup>2</sup> :	= 482.40	Chi <sup>2</sup> =	435.10	df = 11 (	P < 0.0	0001):	<sup>2</sup> = 97%	8 22 8	te de la de de
Fest for overall effect				64	a.				-200 -100 0 100 200
				f=4 (P=	0.000	2 000			Favours [experimental] Favours [control]

Fig S50. Forest plot of PRNFL between non-DON and DON in OCT of Southeast

Asian

		DON		no	n-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% Cl
7.2.1 Overall									
Jiahui Wu 2022	96.97	1.301	39	100.4	1.521	25	66.9%	-3.43 [-4.15, -2.71]	
Te Zhang 2019	90.52	11.89	30	98.46	14.53	41	9.1%	-7.94 [-14.09, -1.79]	
Yufei Wu 2020	84.5	13.4	21	87.3	11.8	23	6.4%	-2.80 [-10.29, 4.69]	
Yunhai Tu 2023	97.53	10.2	31	104.04	7.41	50	17.5%	-6.51 [-10.65, -2.37]	
Subtotal (95% CI)			121			139	100.0%	-4.34 [-6.33, -2.36]	•
Heterogeneity: Tau <sup>2</sup> :	= 1.40; C	hi <sup>2</sup> = 4.0	)6, df =	3 (P = 0.)	25); 1=	26%			
Test for overall effect	: Z = 4.29	8 (P ≤ 0.	0001)	10					
Total (95% CI)			121			139	100.0%	-4.34 [-6.33, -2.36]	<b>•</b>
Heterogeneity: Tau <sup>2</sup> :	= 1.40; C	hi <sup>2</sup> = 4.0	)6, df =	3(P = 0.1)	25); I <sup>2</sup> =	26%			
Test for overall effect				10	10.00				-10 -5 0 5 10
Test for subaroup dif	ferences	: Not an	oplicabl	е					Favours [experimental] Favours [control]

Fig S51. Forest plot of MGGC between non-DON and DON in OCT of Southeast

Asian

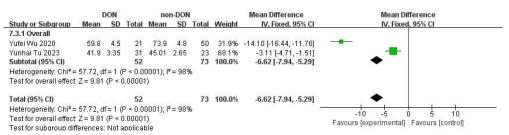


Fig S52. Forest plot of M-SRCL between non-DON and DON in OCTA of Southeast

Asian

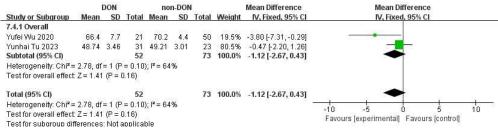


Fig S53. Forest plot of M-DRCL between non-DON and DON in OCTA of Southeast Asian

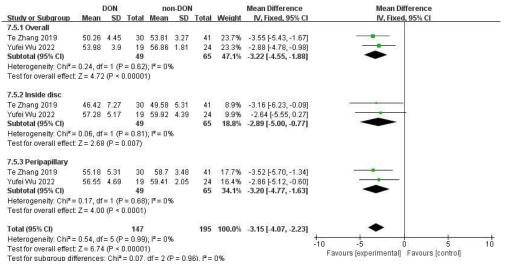


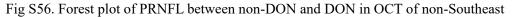
Fig S54. Forest plot of ONH-VD between non-DON and DON in OCTA of Southeast

Asian

		DON			on-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
7.6.1 Overall									
Huan Jian 2021	48.9	5.24	6	53.31	2.93	39	1.7%	-4.41 [-8.70, -0.12]	20 B B B B B B B B B B B B B B B B B B B
Jiahui Wu 2022		0.4978			0.5463	25	6.7%	-0.92 [-1.19, -0.65]	
Te Zhang 2019	32.18	5.48		51.66	3.75	41		-19.48 [-21.75, -17.21]	
rufei Wu 2022	47.42	3.7		50.14	1.77	24	4.5%	-2.72 [-4.53, -0.91]	-
Subtotal (95% CI)	1210/122	19922 1992	94	en unuen	0.6600	129	16.6%	-6.87 [-14.67, 0.92]	
Heterogeneity: Tau <sup>z</sup> = Test for overall effect:				f= 3 (P	< 0.0000	1); l² = 9	19%		
7.6.2 Inside disc									
Jiahui Wu 2022	47.93	0.9849	20	48.28	1.528	25	6.3%	-0.45 [-1.12, 0.22]	
Fe Zhang 2019	39.17	8.96		42.45	10.94	41	1.5%	-3.28 [-7.92, 1.36]	
/ufei Wu 2022	47.13	5.67	19	49.67	5.03	24	2.5%	-2.54 [-5.79, 0.71]	
Subtotal (95% CI)	41.10		88	45.01	.5.65	90	10.4%	-1.13 [-2.73, 0.46]	•
Heterogeneity: Tau² = Fest for overall effect:			, df = 2	(P = 0.3	24); I² = 3			,	
7.6.3 Peripapillary									
Jiahui Wu 2022	51.5	0.5399	30	52.27	0.5562	25	6.7%	-0.77 [-1.05, -0.49]	
Te Zhang 2019	55.36	5.4		58.73	3.4	41	3.9%	-3.37 [-5.56, -1.18]	
Yufei Wu 2022	50.2	4.58		53.04	2.53	24	3.3%	-2.84 [-5.13, -0.55]	
Subtotal (95% CI)		1.00	88	55.04	2.00	90	14.2%	-2.07 [-3.97, -0.16]	•
Heterogeneity: Tau² = Fest for overall effect:			, df = 2	(P = 0.1	02); I <b>≃</b> = 7			,	
7.6.4 Superior-hemi									
Jiahui Wu 2022	61.32	0.6456	20	62.00	0.5126	25	6.7%	-1.06 [-1.35, -0.77]	
Yufei Wu 2022	50.29	4.75	19		2.63	23	3.6%	-2.73 [-5.11, -0.35]	-
Subtotal (95% CI)	30.25	-4.rJ	58	33.02	2.05	49	10.3%	-1.46 [-2.86, -0.06]	•
-leterogeneity: Tau <sup>2</sup> =	0.651 C	hi <sup>2</sup> = 1.86		(P = 0)	$(7) \cdot 1^2 = 4$				
Fest for overall effect				V 0.	and a				
7.6.5 Inferior-hemi									
liahui Wu 2022	51.73	0.4911	39	52.24	0.6808	25	6.7%	-0.51 [-0.82, -0.20]	
Yufei Wu 2022	50.12	4.66		52.75	2.27	24	3.7%	-2.63 [-4.91, -0.35]	<b>T</b>
Subtotal (95% CI)			58			49	10.4%	-1.26 [-3.24, 0.73]	5. <b>*</b>
Heterogeneity: Tau² = Fest for overall effect				(P = 0.1	07); I <del>*</del> = 6	9%			
7.6.6 S									
-luan Jian 2021	27.8	8.93	e	62.60	3.89	39	0.7%	26 00 1 2 2 4 2 0 0 2 0	
Jiahui Wu 2022		0.6658		53.68	0.7111	25	6.6%	-25.88 [-33.13, -18.63]	64. 69. JA
Subtotal (95% CI)	32.24	0.0030	45	32.04	0.711115	64		-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80]	
Heterogeneity: Tau² = Test for overall effect:			6.61, d	f=1 (P	< 0.0000				
7.6.7 T									
Huan Jian 2021	37.83	6.37	6	55.36	3.57	39	1.3%	-17.53 [-22.75, -12.31]	
liahui Wu 2022	53.27	0.8564	39	54.16	0.6896	25	6.6%	-0.89 [-1.27, -0.51]	
Fe Zhang 2019	53.35	5.44	30	58.54	4.9	41	3.5%	-5.19 [-7.65, -2.73]	<u></u>
<b>Subtotal (95% Cl)</b> Heterogeneity: Tau <sup>2</sup> = Fest for overall effect:				= 2 (P <	0.00001)	105 I; I² = 98	11.4% i%	-7.28 [-13.90, -0.66]	•
7.6.81		15	10						
Huan Jian 2021	30.83	7.25	6	55.54	4.43	39	1.0%	-24.71 [-30.68, -18.74]	2000
Jiahui Wu 2022	54.36	0.6228	39	55.16	0.8863	25	6.6%	-0.80 [-1.20, -0.40]	
Subtotal (95% CI)			45			64		-12.56 [-35.99, 10.87]	
Heterogeneity: Tau² = Fest for overall effect:				f=1 (P	< 0.0000	1); I² = 9	18%		
7.6.9 N									
Huan Jian 2021	30.67	6.74	6	48.64	3.85	39	1.2%	-17.97 [-23.50, -12.44]	10.00
		0.7761			0.7074	25	6.6%	-1.10 [-1.47, -0.73]	
liahui Wu 2022	53.51	4.99		56.42	3.86	41 105	3.9% 11.7%	-2.91 [-5.05, -0.77] -6.25 [-11.54, -0.97]	★
Te Zhang 2019									
Fe Zhang 2019 Subtotal (95% CI) Heterogeneity: Tau² =				= 2 (P <	0.00001)	i; l² = 96	5%		
Fe Zhang 2019 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Fest for overall effect:			2)	= 2 (P ≺	0.00001)			2421272 240	
Jiahui Wu 2022 Te Zhang 2019 Subtotal (95% Cl) -leterogeneity: Tau <sup>2</sup> = Test for overall effect: Total (95% Cl) -leterogeneity: Tau <sup>2</sup> =	Z = 2.32	? (P = 0.0	2) 626			745	100.0%	-3.12 [-3.77, -2.46]	

Fig S55. Forest plot of RPC-VD between non-DON and DON in OCTA of Southeast Asian

	1	DON		n	n-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
8.1.1 Overall									
Agnieszka 2022	95.7	5.9	8	108.2	9.6	39	25.6%	-12.50 [-17.58, -7.42]	+
Parya Abdolalizadeh 2021	98.86	26.13	21	95.97	10	30	15.4%	2.89 [-8.84, 14.62]	
Subtotal (95% CI)			29			69	41.0%	-5.75 [-20.72, 9.22]	
Heterogeneity: Tau <sup>2</sup> = 97.15;	Chi <sup>2</sup> = 5.	57, df =	1 (P =	0.02); I <sup>z</sup>	= 82%				
Test for overall effect: Z = 0.7	'5 (P = 0.4	15)							
8.1.2 Superior-hemi									
Agnieszka 2022	98.2	21.4	8	107	10.2	39	11.6%	-8.80 [-23.97, 6.37]	
Parya Abdolalizadeh 2021	101.29	27.8	21	98.87	10.69	30	14.5%		
Subtotal (95% CI)			29			69	26.1%		+
Heterogeneity: Tau <sup>2</sup> = 12.68;	Chi <sup>2</sup> = 1.1	25, df =	1 (P =	0.26); I <sup>z</sup>	= 20%				
Test for overall effect: Z = 0.4	2 (P = 0.8	67)							
8.1.3 Inferior-hemi									
Agnieszka 2022	100.4	14.7	8	109.4	11.8	39	16.6%	-9.00 [-19.84, 1.84]	
Parya Abdolalizadeh 2021	95.47	24.39	21	93.33	10.49	30	16.3%		
Subtotal (95% CI)			29			69	32.9%	-3.49 [-14.41, 7.42]	-
Heterogeneity: Tau <sup>2</sup> = 30.76:	Chi <sup>2</sup> = 1.	98. df=	1 (P =	0.16); F	= 50%				
Test for overall effect: Z = 0.6	63 (P = 0.6	53)	12	<u>.</u>					
Total (95% CI)			87			207	100.0%	-4.57 [-11.17, 2.03]	•
Heterogeneity: Tau <sup>2</sup> = 37.64;	$Chi^2 = 12$	2.16. df:	= 5 (P =	= 0.03);	<sup>2</sup> = 59%			(d. 13) (d. 13)	Here I de la della
Test for overall effect: Z = 1.3									-100 -50 0 50 100
Test for subaroup difference			- 2 (P	- 0.04)	17 - 0.96				Favours [experimental] Favours [control]



Asian

		DON		no	n-DON	1		Mean Difference	Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% Cl	IV, Fixed, 95% CI	
8.2.1 Overall										
Agnieszka 2022	83.8	7.9	8	99.3	17.2	39	10.7%	-15.50 [-23.19, -7.81]		
Parya Abdolalizadeh 2021	87.1	11.32	21	98	7.26	30	20.9%	-10.90 [-16.39, -5.41]	-	
Subtotal (95% CI)			29			69	31.6%	-12.46 [-16.93, -7.98]	•	
Heterogeneity: Chi <sup>2</sup> = 0.91,	df = 1 (P	= 0.34);	$ ^{2} = 0\%$						8	
Test for overall effect: Z = 5.	46 (P < 0	.00001)	)							
8.2.2 Superior-hemi										
Agnieszka 2022	84.1	9.4	8	95.1	6.5	39	13.6%	-11.00 [-17.83, -4.17]	· · · · ·	
Parva Abdolalizadeh 2021	87.45	11.42	21	97.13	7.3	30	20.6%		-	
Subtotal (95% CI)			29			69	34.1%	-10.20 [-14.51, -5.90]	•	
Heterogeneity: Chi <sup>2</sup> = 0.09, i	df = 1 (P	= 0.77);	$ ^{2} = 0\%$					10 II II II		
Test for overall effect: Z = 4.	65 (P < 0	.00001)	)							
8.2.3 Inferior-hemi										
Agnieszka 2022	83.6	8.7	8	96.5	6	39	15.8%	-12.90 [-19.22, -6.58]		
Parya Abdolalizadeh 2021	86.6	11.9	21	99	8.07	30	18.4%	-12.40 [-18.25, -6.55]	-	
Subtotal (95% CI)			29			69	34.3%	-12.63 [-16.92, -8.34]	♦	
Heterogeneity: Chi <sup>2</sup> = 0.01,	df = 1 (P	= 0.91);	$ ^{2} = 0\%$					16 (A 18		
Test for overall effect: Z = 5.	77 (P < 0	.00001)	)							
Total (95% CI)			87			207	100.0%	-11.75 [-14.26, -9.23]	•	
Heterogeneity: Chi <sup>2</sup> = 1.76, (	df = 5 (P	= 0.88);	$I^{2} = 0\%$					16 N 18		10
Test for overall effect: Z = 9.1	16 (P < 0	.00001	)							10
Test for subgroup difference				P = 0.69	) $ ^2 = 0$	%			Favours [experimental] Favours [control]	

Fig S57. Forest plot of MGGC between non-DON and DON in OCT of non-Southeast

Asian

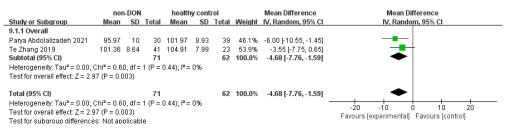
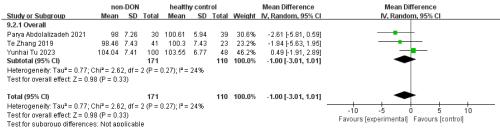
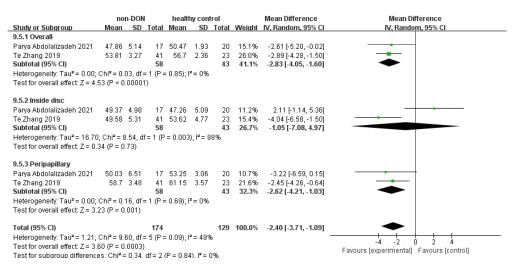


Fig S58. Forest plot of PRNFL between HC and non-DON in OCT of EUGOGO criteria







## Fig S60. Forest plot of ONH-VD between HC and non-DON in OCT of EUGOGO criteria

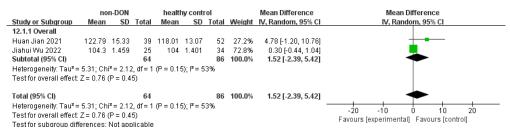


Fig S61. Forest plot of PRNFL between HC and non-DON in OCT of Bartley criteria

Mean Difference

Mean Difference

non-DON

healthy control

Study or Subgroup	Mean SD	Total Mea	aluny control	otal	Woight	IV, Random, 95% Cl	IV, Random, 95% Cl
12.6.1 Overall	Mean 3D	Total Mea	11 30 10	Jul	weight	14, Tunuoni, 35% Ci	10, Randoni, 35% Cl
Huan Jian 2021	53.31 2.93	39 54.2	6 2.3	52	3.5%	-0.95 [-2.06, 0.16]	
Jiahui Wu 2022	49.16 0.5463	25 50.3	3 0.3173	34	9.1%	-1.17 [-1.41, -0.93]	+
Yufei Wu 2022	50.14 1.77	24 50.6		34	3.6%	-0.52 [-1.62, 0.58]	
Subtotal (95% CI)		88		120	16.1%	-1.13 [-1.36, -0.90]	•
Heterogeneity: Tau <sup>2</sup> =			0.50); I* = 0%				
Test for overall effect	. Z = 9.70 (F < 0.00	0001)					
12.6.2 Inside disc							
Jiahui Wu 2022	48.28 1.528	25 50.0	2 0.7654	34	6.1%	-1.74 [-2.39, -1.09]	
Yufei Wu 2022	49.67 5.03	24 52.0	7 4.67	34	0.9%	-2.40 [-4.95, 0.15]	
Subtotal (95% CI)		49		68	7.0%	-1.78 [-2.41, -1.15]	-
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:			0.62); P= 0%				
restion overall ellect.	. 2 = 5.52 (F < 6.60	0001)					
12.6.3 Peripapillary							
Jiahui Wu 2022	52.27 0.5562	25 53.2	4 0.3914	34	9.0%	-0.97 [-1.22, -0.72]	+
Yufei Wu 2022	53.04 2.53	24 53.2	4 2.61	34	2.7%	-0.20 [-1.54, 1.14]	
Subtotal (95% CI)		49		68	11.7%	-0.88 [-1.37, -0.39]	•
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:			0.27); F= 18%	0			
restion overall ellect.	. 2 - 5.50 (1 - 6.60	003)					
12.6.4 Superior-hem	i						
Jiahui Wu 2022	52.29 0.5126		7 0.4316	34	9.0%	-0.78 [-1.03, -0.53]	+
Yufei Wu 2022	53.02 2.63	24 53.2	9 2.99	34	2.4%	-0.27 [-1.73, 1.19]	
Subtotal (95% CI)		49		68	11.4%	-0.77 [-1.01, -0.52]	•
Heterogeneity: Tau <sup>2</sup> = Test for overall effect:			0.50); 1* = 0%				
restion overall ellect.	. 2 = 0.14 (1 < 0.00	0001)					
12.6.5 Inferior-hemi							
Jiahui Wu 2022	52.24 0.6808	25 53.4		34	8.7%	-1.21 [-1.51, -0.91]	
Yufei Wu 2022	52.75 2.27	24 53.1	7 2.57	34	3.0%	-0.42 [-1.67, 0.83]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> =	0.10:068-1.44	49 df = 1 /D =	0.000-12-040	68	11.6%	-1.06 [-1.67, -0.45]	-
Test for overall effect:			0.23),1 = 31%	,			
		,					
12.6.6 S							
Huan Jian 2021	53.68 3.89	39 54		52	2.2%	-0.82 [-2.35, 0.71]	
Jiahui Wu 2022 Subtotal (95% CI)	52.84 0.7111	25 53. 64	5 0.5557	34 86	8.4% 10.7%	-0.66 [-1.00, -0.32] - <b>0.67 [-1.00, -0.34]</b>	•
Heterogeneity: Tau <sup>2</sup> =	= 0.00° Chi² = 0.04		0.84): I <sup>2</sup> = 0%	00	10.7 /0	-0.07 [-1.00, -0.54]	•
Test for overall effect							
12.6.7 T				<b>c</b> 0	0.00	4 4 9 4 9 5 4 9 9 5	
Huan Jian 2021 Jiahui Wu 2022	55.36 3.57 54.16 0.6896	39 56.4 25 56.1	9 2.98 8 0.6052	52 34	2.6% 8.4%	-1.13 [-2.51, 0.25] -2.02 [-2.36, -1.68]	<b>—</b>
Subtotal (95% CI)	54.10 0.0030	64	0 0.0052	86	11.0%	-1.84 [-2.54, -1.13]	◆
Heterogeneity: Tau <sup>2</sup> =	= 0.13; Chi <sup>≥</sup> = 1.50	, df = 1 (P =	0.22); I² = 33%				
Test for overall effect	Z = 5.12 (P < 0.00	0001)					
42.001							
<b>12.6.8  </b> Huan Jian 2021	55.54 4.43	39 55.7	7 3.48	52	1.9%	-0.23 [.1 01 1 45]	
Jiahui Wu 2022	55.16 0.8863	25 55		34	8.1%	-0.23 [-1.91, 1.45] -0.34 [-0.72, 0.04]	
Subtotal (95% CI)		64	0.10	86	10.0%	-0.33 [-0.71, 0.04]	•
Heterogeneity: Tau <sup>2</sup> =	= 0.00; Chi <sup>2</sup> = 0.02	, df = 1 (P =	0.90); l² = 0%				
Test for overall effect	Z = 1.76 (P = 0.08	8)					
12.6.9 N							
Huan Jian 2021	48.64 3.85	39 50.3	5 4	52	2.0%	-1.71 [-3.34, -0.08]	
Jiahui Wu 2022	48.52 0.7074		7 0.5827	34	8.4%	-0.45 [-0.79, -0.11]	
Subtotal (95% CI)		64		86	10.4%	-0.82 [-1.94, 0.30]	
Heterogeneity: Tau <sup>2</sup> =			0.14); I² = 55%	5			
Test for overall effect	∠= 1.43 (P = 0.1	5)					
Total (95% CI)		540	7	736	100.0%	-0.95 [-1.21, -0.69]	•
Heterogeneity: Tau <sup>2</sup> =	= 0.18; Chi <sup>2</sup> = 78.7						
Test for overall effect	Z = 7.18 (P < 0.00	0001)					-4 -2 0 2 4 Favours (experimental) Favours (control)
Test for subaroup dif	ferences: Chi² = 3	0.44. df = 8	(P = 0.0002). P	<sup>2</sup> = 7	3.7%		. accare (experimental in avoir a (control)

Fig S62. Forest plot of RPC-VD between HC and non-DON in OCT of Bartley

		DON		health	iy cont	rol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
10.1.1 Overall									
Parya Abdolalizadeh 2021	98.86	26.13	21	101.97	8.93	39	16.1%	-3.11 [-14.63, 8.41]	
Te Zhang 2019	98.3	10.77	30	104.91	7.99	23	83.9%	-6.61 [-11.66, -1.56]	
Subtotal (95% CI)			51			62	100.0%	-6.05 [-10.67, -1.42]	
Heterogeneity: Tau <sup>2</sup> = 0.00;	Chi <sup>2</sup> = 0.	30, df =	1 (P = I	0.59); I <sup>z</sup> =	0%				
Test for overall effect: Z = 2.	56 (P = 0	.01)							
Total (95% CI)			51			62	100.0%	-6.05 [-10.67, -1.42]	-
Heterogeneity: Tau <sup>2</sup> = 0.00;	Chi <sup>2</sup> = 0.	30, df =	1 (P = 1	0.59); l <sup>a</sup> =	0%				-20 -10 0 10 20
Test for overall effect: Z = 2.	56 (P = 0	.01)							
Test for subaroup difference	es: Not a	depilaa	le						Favours [experimental] Favours [control]

Fig S63. Forest plot of PRNFL between HC and DON in OCT of EUGOGO criteria

		DON		health	y cont	rol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% Cl	IV, Fixed, 95% Cl
10.2.1 Overall									
Parya Abdolalizadeh 2021	87.1	11.32	21	100.61	5.94	39	27.7%	-13.51 [-18.70, -8.32]	<b>_</b>
Te Zhang 2019	90.52	11.89	30	100.3	7.43	23	27.3%	-9.78 [-15.01, -4.55]	
Yunhai Tu 2023	97.53	10.2	31	103.55	6.77	48	45.0%	-6.02 [-10.09, -1.95]	_ <b>_</b>
Subtotal (95% CI)			82			110	100.0%	-9.12 [-11.85, -6.39]	◆
Heterogeneity: Chi <sup>2</sup> = 5.04,	df = 2 (P :	= 0.08);	$ ^{2} = 60^{\circ}$	%					
Test for overall effect: Z = 6.	55 (P < 0	.00001)							
Total (95% CI)			82			110	100.0%	-9.12 [-11.85, -6.39]	•
Heterogeneity: Chi <sup>2</sup> = 5.04,	df = 2 (P :	= 0.08);	$ ^{2} = 60^{\circ}$	%					
Test for overall effect: Z = 6.	55 (P < 0	.00001)							-20 -10 0 10 20
Test for subaroup difference	e: Not a	nnlicah	le l						Favours [experimental] Favours [control]

Fig S64. Forest plot of MGGC between HC and DON in OCT of EUGOGO criteria

		DON		healt	hy cont	rol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
10.3.1 Overall									
Parya Abdolalizadeh 2021	45.38	5.62	12	50.47	1.93	20	14.4%	-5.09 [-8.38, -1.80]	
e Zhang 2019	50.26	4.45	30	56.7	2.36	23	30.2%	-6.44 [-8.30, -4.58]	
Subtotal (95% CI)			42			43	44.6%	-6.11 [-7.73, -4.49]	◆
Heterogeneity: Tau <sup>2</sup> = 0.00;	$Chi^2 = 0.$	49, df:	= 1 (P =	= 0.48); I	²=0%				
Test for overall effect: Z = 7.3	39 (P < 0	.0000	1)						
10.3.2 Inside disc									
Parya Abdolalizadeh 2021	47.23	7.57	12	47.26	5.09	20	7.6%	-0.03 [-4.86, 4.80]	
Te Zhang 2019	46.42	7.27	30	53.62	4.77	23	14.6%	-7.20 [-10.45, -3.95]	(
Subtotal (95% CI)			42			43	22.3%	3.85 [ 10.86, 3.17]	
Heterogeneity: Tau <sup>2</sup> = 21.29	l; Chi² = €	5.83, d	f=1 (P	= 0.02)	l <sup>2</sup> = 83	%			
Test for overall effect: Z = 1.	08 (P = 0	.28)							
10.3.3 Peripapillary									
Parya Abdolalizadeh 2021	47.16	6.6	12	53.25	3.06	20	10.6%	-6.09 [-10.06, -2.12]	
Te Zhang 2019	55.18	5.31	30	61.15	3.57	23	22.5%	-5.97 [-8.37, -3.57]	<b>_</b>
Subtotal (95% CI)			42			43	33.2%	-6.00 [-8.05, -3.95]	<b>•</b>
Heterogeneity: Tau <sup>2</sup> = 0.00;	$Chi^2 = 0.$	00. df:	= 1 (P =	= 0.96); I	²= 0%				
Test for overall effect: Z = 5.									
Total (95% CI)			126			129	100.0%	-5.73 [-7.15, -4.30]	•
Heterogeneity: Tau <sup>2</sup> = 0.84;	Chi <sup>2</sup> = 6.	86. df:	= 5 (P =	= 0.23); I	<sup>2</sup> = 27%	5			
Test for overall effect: Z = 7.				,					-10 -5 0 5 10
Test for subgroup difference				(P = 0.8)	3), <b>I</b> <sup>2</sup> = 0	)%			Favours [experimental] Favours [control]

Fig S65. Forest plot of ONH-VD between HC and DON in OCT of EUGOGO criteria

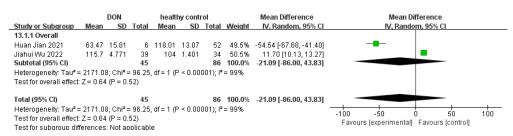
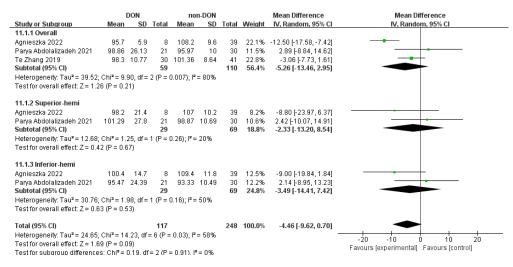
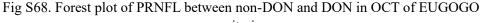


Fig S66. Forest plot of PRNFL between HC and DON in OCT of Bartley criteria

Study or Subgroup	Mean	DON SD	Total	heat Mean	thy contro SD		Weight	Mean Difference IV, Random, 95% C	Mean Difference IV, Random, 95% Cl
3.2.1 Overall									
ufei Wu 2022	47.42	3.7	19	50.66	2.5	34	4.8%	-3.24 [-5.10, -1.38]	
e Zhang 2019	32.18	5.48	30	54.73	2.78	23		-22.55 [-24.82, -20.28]	
ahui Wu 2022	48.24 (	0.4978	39 88	50.33	0.3173	34 91	8.1%	-2.09 [-2.28, -1.90]	
ubtotal (95% CI)						•••	16.9%	-9.25 [-19.71, 1.22]	
leterogeneity: Tau² = est for overall effect:				r= 2 (P -	< 0.00001)	( <b>1*</b> = §	19%		
3.2.2 Inside disc									
ʻufei Wu 2022	47.13	5.67		52.07	4.67	34	2.9%	-4.94 [-7.93, -1.95]	
ahui Wu 2022	47.83 (	0.9849	39	50.02	0.7654	34	7.9%	-2.19 [-2.59, -1.79	
ubtotal (95% CI)			58			68	10.8%	-3.15 [-5.72, -0.58]	$\bullet$
leterogeneity: Tau² = est for overall effect:				(P = 0.0	)7); I² = 69	%			
3.2.3 Peripapillary									
ʻufei Wu 2022	50.2	4.58		53.24	2.61	34	4.0%	-3.04 [-5.28, -0.80]	
iahui Wu 2022	51.5 (	0.5399		53.24	0.3914	34	8.1%	-1.74 [-1.95, -1.53]	
ubtotal (95% CI)			58	_		68	12.1%	-1.89 [-2.71, -1.07]	• •
leterogeneity: Tau² = est for overall effect:				(P = 0.1	26); I² = 22	%			
3.2.4 Superior-hem									
ufei Wu 2022	50.29	4.75		53.29	2.99	34	3.8%	-3.00 [-5.36, -0.64]	
iahui Wu 2022	51.23 (	0.6456	39 58	53.07	0.4316	34	8.1%	-1.84 [-2.09, -1.59]	
Subtotal (95% CI)	0.00.01					68	11.9%	-1.85 [-2.10, -1.60]	' '
+eterogeneity: Tau² = Test for overall effect:					34); I <sup>-</sup> = U%	)			
3.2.5 Inferior-hemi									
'ufei Wu 2022	50.12	4.66		53.17	2.57	34	4.0%	-3.05 [-5.32, -0.78]	-
liahui Wu 2022	51.73 (	0.4911	39	53.45	0.431	- 34	8.1%	-1.72 [-1.93, -1.51]	
				00.10	0.431	· · ·			
Subtotal (95% CI) Heterogeneity: Tau² =	= 0.21; Chi	i² = 1.31,	58 , df = 1			68	12.1%	-1.89 [-2.75, -1.02]	
Subtotal (95% Cl) Heterogeneity: Tau² = Test for overall effect:	= 0.21; Chi	i² = 1.31,	58 , df = 1			68			
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Fest for overall effect: 1 <b>3.2.6 S</b>	= 0.21; Chi : Z = 4.28 (	i² = 1.31, (P < 0.00	<b>58</b> , df = 1 001)	(P = 0.2	25); I² = 24	68 %	12.1%	-1.89 [-2.75, -1.02]	•
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect: 1 <b>3.2.6 S</b> Iiahui Wu 2022	= 0.21; Chi : Z = 4.28 ( 52.24	i² = 1.31, (P < 0.00 0.6658	<b>58</b> , df = 1 001) 39	(P = 0.2 53.5	25); I² = 24 0.5557	68 % 34	<b>12.1%</b> 8.1%	- <b>1.89 [-2.75, -1.02</b> ] -1.26 [-1.54, -0.98]	• •
Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Fest for overall effect: I3.2.6 S Jiahui Wu 2022 Huan Jian 2021	= 0.21; Chi : Z = 4.28 (	i² = 1.31, (P < 0.00	<b>58</b> , df = 1 001) 39 6	(P = 0.2	25); I² = 24	68 % 34 52	<b>12.1%</b> 8.1% 0.7%	- <b>1.89 [-2.75, -1.02</b> ] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50	• 
Subtotal (95% Cl) Heterogeneity: Tau² =	= 0.21; Chi : Z = 4.28 ( 52.24   27.8 = 316.83; (	i <sup>2</sup> = 1.31, (P < 0.00 0.6658 8.93 Chi <sup>2</sup> = 47	58 , df = 1 001) 39 6 45 7.84, dt	(P = 0.2 53.5 54.5	25); I² = 24 0.5557 3.37	68 % 34 52 86	<b>12.1%</b> 8.1% 0.7% <b>8.8</b> %	- <b>1.89 [-2.75, -1.02</b> ] -1.26 [-1.54, -0.98]	• 
Subtotal (95% CI) -leterogeneity: Tau <sup>2</sup> = Festfor overall effect 13.2.6 S Jiahui Wu 2022 -luan Jian 2021 Subtotal (95% CI) -leterogeneity: Tau <sup>2</sup> = Fest for overall effect: 13.2.7 T	= 0.21; Chi : Z = 4.28 ( 52.24   27.8 = 316.83; C : Z = 1.08 (	( <sup>2</sup> = 1.31, (P < 0.00 0.6658 8.93 Chi <sup>2</sup> = 47 (P = 0.28	58 , df = 1 001) 39 6 45 7.84, d1 3)	(P = 0.2 53.5 54.5 f= 1 (P -	25); I² = 24 0.5557 3.37 < 0.00001)	68 % 34 52 86 ; I <sup>≠</sup> = 9	12.1% 8.1% 0.7% 8.8% 38%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26 70 [-33.90, -19.50 -13.71 [-38.64, 11.21]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = est for overall effect: 13.2.6 S Hahui Wu 2022 Huan Jian 2021 Huan Jian 2021 Heterogeneity: Tau <sup>2</sup> est for overall effect: 13.2.7 T Hiahui Wu 2022	= 0.21; Chi ; Z = 4.28 ( 52.24   27.8 = 316.83; C ; Z = 1.08 ( 53.27	( <sup>2</sup> = 1.31, ( <sup>P</sup> < 0.00 0.6658 8.93 Chi <sup>2</sup> = 47 ( <sup>P</sup> = 0.28 0.8564	58 , df = 1 001) 39 6 45 7.84, d1 3) 39	(P = 0.2 53.5 54.5 f= 1 (P + 56.18	25); I <sup>2</sup> = 24 0.5557 3.37 < 0.00001) 0.6052	68 % 34 52 86 ; I <sup>2</sup> = 9 34	12.1% 8.1% 0.7% 8.8% 98% 8.0%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57	
Subtotal (95% Cl) Heterogeneiky: Tau <sup>#</sup> = Fest for overall effect: 13.2.6 S Jiahui Wu 2022 Aubtotal (95% Cl) Heterogeneiky: Tau <sup>#</sup> = Fest for overall effect: 13.2.7 T Jiahui Wu 2022 Huan Jian 2021	= 0.21; Chi : Z = 4.28 ( 52.24   27.8 = 316.83; C : Z = 1.08 (	(P < 0.00 (P < 0.00 0.6658 8.93 Chi <sup>2</sup> = 47 (P = 0.28	58 , df = 1 001) 39 6 45 7.84, d1 3) 39 6	(P = 0.2 53.5 54.5 f= 1 (P -	25); I² = 24 0.5557 3.37 < 0.00001)	68 % 34 52 86 ; F = 9 34 52	8.1% 0.7% 8.8% 88% 8.0% 1.3%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50	
Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> = Test for overall effect: (3.2.6 S Hiahui Wu 2022 Huahui 2021 Subtotal (95% Cl) Heterogeneity: Tau <sup>#</sup> = Test for overall effect: (3.2.7 T Hiahui Wu 2022 Huan Jian 2021	= 0.21; Chi ; Z = 4.28 ( 52.24   27.8 = 316.83; C ; Z = 1.08 ( 53.27	( <sup>2</sup> = 1.31, ( <sup>P</sup> < 0.00 0.6658 8.93 Chi <sup>2</sup> = 47 ( <sup>P</sup> = 0.28 0.8564	58 , df = 1 001) 39 6 45 7.84, d1 3) 39	(P = 0.2 53.5 54.5 f= 1 (P + 56.18	25); I <sup>2</sup> = 24 0.5557 3.37 < 0.00001) 0.6052	68 % 34 52 86 ; I <sup>2</sup> = 9 34	12.1% 8.1% 0.7% 8.8% 98% 8.0%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57	
subtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect: <b>3.2.6 S</b> lahui Wu 2022 luan Jian 2021 luah di (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect: <b>3.2.7 T</b> lahui Wu 2022 luan Jian 2021 subtotal (95% CI) leterogeneity: Tau <sup>2</sup> =	= 0.21; Chi ; Z = 4.28 ( 52.24   27.8 = 316.83; C ; Z = 1.08 ( 53.27   37.83 = 120.55; C	i <sup>2</sup> = 1.31, (P ≺ 0.00 0.6658 8.93 Chi <sup>2</sup> = 47 (P = 0.28 0.8564 6.37 Chi <sup>2</sup> = 35	58 , df = 1 001) 39 6 45 7.84, dt 3) 39 6 45 5.62, dt	(P = 0.2 53.5 54.5 f = 1 (P - 56.18 56.49	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98	68 % 34 52 86 ; I <sup>2</sup> = 9 34 52 86	8.1% 0.7% 8.8% 88% 8.0% 1.3% 9.3%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50	
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Subtotal (95% CI)           ielerogeneity: Tau" =           rest for overall effect:           3.2.6 S           iahui Wu 2022           Jubtotal (95% CI)           ieterogeneity: Tau" =           rest for overall effect:           3.2.7 T           iahui Wu 2022           iuan Jian 2021           iubtotal (95% CI)           ieterogeneity: Tau" =           rest for overall effect:           3.2.7 T           iahui Wu 2022           iuan Jian 2021           iubtotal (95% CI)           ieterogeneity: Tau" =           rest for overall effect:           3.2.8 I           iahui Wu 2022	= 0.21; Chi ; Z = 4.28 ( 52.24   27.8 = 316.83; ( ; Z = 1.08 ( 53.27   37.83 = 120.55; ( ; Z = 1.34 (	(P < 0.00 (P < 0.00 8.93 Chi <sup>2</sup> = 47 (P = 0.28 0.8564 6.37 Chi <sup>2</sup> = 35 (P = 0.18	58 , df = 1 201) 39 6 45 7.84, dt 3) 39 6 45 5.62, dt 3)	(P = 0.2 53.5 54.5 f = 1 (P - 56.18 56.49 f = 1 (P -	25);  * = 24 0.5567 3.37 < 0.00001) 0.6052 2.98 < 0.00001)	68 % 34 52 86 ;  ²= \$ 34 52 86 ;  ²= \$	12.1% 8.1% 0.7% 8.8% 8.0% 1.3% 9.3% 9.3% 8.1%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50 -10.57 [-25.99, 4.86]	
subtotal (95% CI)           leterogeneity: Tau" =           rest for overall effect:           3.2.6 S           lahui Wu 2022           tuan Jian 2021           subtotal (95% CI)           teterogeneity: Tau" =           rest for overall effect:           3.2.7 T           lahui Wu 2022           tuan Jian 2021           subtotal (95% CI)           tetrogeneity: Tau" =           rest for overall effect:           3.2.8 I           iahui Wu 2022           tuan Jian 2021           tubtotal (95% CI)           tetrogeneity: Tau" =           rest for overall effect:           3.2.8 I           uan Jian 2021           tuan Jian 2021	= 0.21; Chi ; Z = 4.28 ( 52.24   1 27.8 = 316.83; C Z = 1.08 ( 53.27   1 37.83 = 120.55; C ; Z = 1.34 ( 54.36   1	i <sup>2</sup> = 1.31, (P < 0.00 0.6658 8.93 Chi <sup>2</sup> = 47 (P = 0.28 0.8564 6.37 Chi <sup>2</sup> = 35 (P = 0.18 0.6228	58 , df = 1 201) 39 6 45 7.84, df 3) 39 6 45 5.62, df 3) 39	(P = 0.1 53.5 54.5 f = 1 (P - 56.18 56.49 f = 1 (P - 55.5	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98 < 0.00001) 0.48	68 % 34 52 86 ;   <sup>2</sup> = 9 34 52 86 ;   <sup>2</sup> = 9 34	12.1% 8.1% 0.7% 8.8% 98% 8.0% 1.3% 9.3% 9.3% 9.3% 8.1% 1.0%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50 -10.57 [-25.99, 4.86] -1.14 [-1.39, -0.89	
subtotal (95% Cl)           ielerogeneity: Tau" =           rest for overall effect:           3.2.6 S           iahui Wu 2022           iuan Jian 2021           iubtotal (95% Cl)           ieterogeneity: Tau" =           rest for overall effect:           3.2.7 T           iahui Wu 2022           iuan Jian 2021           iubtotal (95% Cl)           ieterogeneity: Tau" =           rest for overall effect:           3.2.8 I           iahui Wu 2022           iuan Jian 2021           iubtotal (95% Cl)           ieterogeneity: Tau" =           rest for overall effect:           3.2.8 I           iahui Wu 2022           iuan Jian 2021           iubtotal (95% Cl)           ieterogeneity: Tau" =	= 0.21; Chi Z = 4.28 ( 52.24 1 27.8 = 316.83; C Z = 1.08 ( 53.27 1 37.83 = 120.55; C Z = 1.34 ( 54.36 1 30.83 = 278.71; C	$ ^{2} = 1.31,$ (P < 0.00) (P < 0.00) (P = 0.00) (P = 0.20) (P = 0.20) (P = 0.20) (P = 0.20) (P = 0.10) (P = 0.10)	58 , df = 1 )001) 39 6 45 7.84, dt 3) 6 45 5.62, dt 3) 39 6 45 2.87, dt	(P = 0.2 53.5 54.5 f = 1 (P 56.18 56.49 f = 1 (P 55.5 55.77	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98 < 0.00001) 0.48 3.48	68 % 34 52 86 86 ;   <sup>P</sup> = 9 34 52 86 ;   <sup>P</sup> = 9 34 52 86	12.1% 8.1% 0.7% 8.8% 8.8% 8.0% 1.3% 9.3% 9.3% 8.1% 8.1% 9.1%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50 -10.57 [-25.99, 4.86] -1.14 [-1.39, -0.89 -24.94 [-30.82, -19.06	
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Subtotal (95% Cl)           Heterogeneity: Tau" =           rest for overall effect:           13.2.6 S           Huan Jian 2021           Huan Jian 2021           Subtotal (95% Cl)           Heterogeneity: Tau" =           Test for overall effect:           13.2.7 T           Hiahui Wu 2022           Huan Jian 2021           Subtotal (95% Cl)           Heterogeneity: Tau" =           rest for overall effect:           13.2.8 I           Hahui Wu 2022           Huan Jian 2021           Subtotal (95% Cl)           Heterogeneity: Tau" =           rest for overall effect:           13.2.8 I           Hahui Wu 2022           Hototal (95% Cl)           Heterogeneity: Tau" =           rest for overall effect:           13.2.8 I           Hahui Wu 2022           Huan Jian 2021           Subtotal (95% Cl)           Heterogeneity: Tau" =           rest for overall effect:           13.2.9 N           Hiahui Wu 2022           Huan Jian 2021	= 0.21; Chi Z = 4.28 ( 52.24 1 27.8 = 316.83; C Z = 1.08 ( 53.27 1 37.83 = 120.55; C Z = 1.34 ( 54.36 1 30.83 = 278.71; C Z = 1.08 (	F = 1.31, (P < 0.00 0.6668 8.93 ChiP = 47 (P = 0.26 0.8564 6.37 ChiP = 32 (P = 0.18 7.25 ChiP = 622 ChiP = 622 C	58 , df = 1 301) 39 6 45 7.84, dt 3) 39 6 45 5.62, dt 3) 39 6 5.62, dt 3) 39 6 5.2.87, dt 3) 39 6 5.5.2, dt 3) 39 6 5.5.2, dt 3) 39 6 5.5.2, dt 3) 39 6 5.5.2, dt 30 7.5.2, dt 30 7.5.5.2, dt 30 7.5.5, dt 30 7.5.5, dt 30 7.5.5, dt 30 7.5.5, dt 30 7.5.5, dt 30 7.5.5, dt 30 7.5.5, dt 30 7.5.5, dt 30 7.5.5, dt 30 7.5, dt 30, dt 30 7.5, dt 30, d	(P = 0.2 53.5 54.5 56.18 56.18 56.49 f = 1 (P · 55.5 55.77 f = 1 (P ·	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98 < 0.00001) 0.48 3.48 < 0.00001)	68 % 34 52 86 (    = \$ 86 (    = \$ 86 (    = \$ 86 (    = \$ 86 (    = \$ 86 52 86 86 86 52 86 86 52 86 86 52 86 86 86 86 86 86 86 86 86 86 86 86 86	12.1% 8.1% 0.7% 8.8% 8.0% 1.3% 9.3% 77% 8.1% 8.1% 8.1% 8.1% 8.1%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50 -10.57 [-25.99, 4.86] -1.14 [-1.39, -0.89 -24.94 [-3.02, -19.06 -12.85 [-3.6.17, 10.47] -1.55 [-1.86, -1.24 -19.68 [-25.18, -1.4.18	
Subtotal (95% CI)           Heterogeneity: Tau" =           Testfor overall effect           13.2.6 S           Subtotal (95% CI)           Heterogeneity: Tau" =           Testfor overall effect:           13.2.7 T           Iiahui Wu 2022           Juan Jian 2021           Subtotal (95% CI)           Heterogeneity: Tau" =           Testfor overall effect:           13.2.8 I           Jiahui Wu 2022           Juan Jian 2021           Subtotal (95% CI)           Heterogeneity: Tau" =           Test for overall effect:           13.2.8 I           Heterogeneity: Tau" =           Test for overall effect:           13.2.8 I           Heterogeneity: Tau" =           Test for overall effect:           13.2.9 N           Iahui Wu 2022           Huan Jian 2021           Subtotal (95% CI)           Haihui Wu 2022           Huan Jian 2021           Subtotal (95% CI)	= 0.21; Chi Z = 4.28 ( 52.24 1 27.8 = 316.83; ( Z = 1.08 ( 53.27 1 37.83 = 120.55; ( Z = 1.34 ( 54.36 1 30.83 = 278.71; ( Z = 1.08 ( 47.42 1 30.67	P = 1.31, P < 0.00 0.6658 8.93 Chi <sup>P</sup> = 41 8.93 Chi <sup>P</sup> = 0.26 (P = 0.26 Chi <sup>P</sup> = 36 (P = 0.16 Chi <sup>P</sup> = 36 (P = 0.26 Chi <sup>P</sup> = 62 (P = 0.26) Chi <sup>P</sup> = 62 (P = 0.2	58 , df = 1 39 6 45 7.84, dt 3) 39 6 45 5.62, dt 3) 39 6 45 2.87, dt 3) 39 6 45 30 39 6 45 30 39 6 45 45 45 45 45 45 30 30 6 45 5 45 45 45 45 45 45 45 45 45 45 45 4	(P = 0.2 53.5 54.5 56.18 56.49 55.649 55.77 f = 1 (P · 55.77 f = 1 (P · 48.97 50.35	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98 < 0.00001) 0.48 3.48 < 0.00001) 0.5827 4	68 % 34 52 86 52 86 52 86 34 52 86 34 52 86 34 52 86 34 52 86 34 52 86 86 86 86 86 86 86 86 86 86 86 86 86	12.1% 8.1% 0.7% 8.8% 8.0% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50 -10.57 [-25.99, 4.86] -1.14 [-1.39, -0.89 -24.94 [-30.82, -19.06 -12.85 [-36.17, 10.47] -1.55 [-1.86, -1.24	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = Fest for overall effect: 13.2.6 S Huan Jian 2021 Huan Jian 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = Fest for overall effect: 13.2.7 T Hiahui Wu 2022 Huan Jian 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = Fest for overall effect: 13.2.8 I	= 0.21; Chi Z = 4.28 ( 52.24 1 27.8 = 316.83; ( 53.27 1 37.83 = 120.55; ( Z = 1.34 ( 54.36 1 30.83 = 278.71; ( Z = 1.08 ( 47.42 1 30.67 = 160.40; ( = 160.40; ( = 160.40; ( 	P = 1.31, P < 0.0658 8.93 $Chi^{p} = 0.26$ 0.8664 6.37 $Chi^{p} = 0.26$ 0.86248 0.726 P = 0.16 0.6228 P = 0.26 0.6228 P = 0.26 0.7761 6.74 0.7761 0	58 , df = 1 3001) 39 6 45 7.84, dt 3) 39 6 45 5.62, dt 3) 39 6 45 2.87, dt 3) 39 6 45 1.58, dt	(P = 0.2 53.5 54.5 56.18 56.49 55.649 55.77 f = 1 (P · 55.77 f = 1 (P · 48.97 50.35	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98 < 0.00001) 0.48 3.48 < 0.00001) 0.5827 4	68 % 34 52 86 52 86 52 86 34 52 86 34 52 86 34 52 86 34 52 86 34 52 86 86 86 86 86 86 86 86 86 86 86 86 86	12.1% 8.1% 0.7% 8.8% 8.0% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50 -10.57 [-25.99, 4.86] -1.14 [-1.39, -0.89 -24.94 [-3.02, -19.06 -12.85 [-3.6.17, 10.47] -1.55 [-1.86, -1.24 -19.68 [-25.18, -1.4.18	
Subtotal (95% CI)           Heterogeneity: Tau" =           Test for overall effect           13.2.6 S           Sitiahui Wu 2022           Huan Jian 2021           Subtotal (95% CI)           Heterogeneity: Tau" =           Test for overall effect:           13.2.7 T           Hiahui Wu 2022           Huan Jian 2021           Subtotal (95% CI)           Heterogeneity: Tau" =           Test for overall effect:           13.2.8 I           Hahui Wu 2022           Huan Jian 2021           Subtotal (95% CI)           Heterogeneity: Tau" =           Test for overall effect:           13.2.8 I           Hahui Wu 2022           Huan Jian 2021           Subtotal (95% CI)           Heterogeneity: Tau" =           Test for overall effect:           13.2.9 N           Hahui Wu 2022           Huan Jian 2021           Subtotal (95% CI)           Heterogeneity: Tau" =           Test for overall effect:           14.2.9 N           Hahui Wu 2022           Huan Jian 2021           Subtotal (95% CI)           Heterogeneity: Tau" =	= 0.21; Chi Z = 4.28 ( 52.24 1 27.8 = 316.83; ( 53.27 1 37.83 = 120.55; ( Z = 1.34 ( 54.36 1 30.83 = 278.71; ( Z = 1.08 ( 47.42 1 30.67 = 160.40; ( = 160.40; ( = 160.40; ( 	P = 1.31, P < 0.0658 8.93 $Chi^{p} = 0.26$ 0.8664 6.37 $Chi^{p} = 0.26$ 0.86248 0.726 P = 0.16 0.6228 P = 0.26 0.6228 P = 0.26 0.7761 6.74 0.7761 0	58 , df = 1 39 6 45 7.84, dt 3) 39 6 45 5.62, dt 3) 39 6 45 2.87, dt 3) 39 6 45 1.58, dt 5)	(P = 0.2 53.5 54.5 56.18 56.49 55.649 55.77 f = 1 (P · 55.77 f = 1 (P · 48.97 50.35	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98 < 0.00001) 0.48 3.48 < 0.00001) 0.5827 4	68 % % 34 52 86 52 86 52 86 52 86 52 86 52 86 52 86 86 86 86 86 86 86 86 86	12.1% 8.1% 0.7% 8.8% 8.0% 8.0% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3% 9.3	-1.29 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.25, -13.50 -10.57 [-25.99, 4.86] -1.14 [-1.39, -0.89 -24.94 [-30.82, -19.06 -12.85 [-36.17, 10.47] -1.55 [-1.86, -1.24 -19.68 [-25.18, -14.18 -10.40 [-28.16, 7.36]	
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 'est for overall effect: 13.2.6 S Juan Jian 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 'est for overall effect: 13.2.7 T Hahui Wu 2022 Huan Jian 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 'est for overall effect: 13.2.8 I Hiahui Wu 2022 Huan Jian 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 'est for overall effect: 13.2.9 N Hahui Wu 2022 Huan Jian 2021 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = 'est for overall effect: 'otal (95% CI)	= 0.21; Chi Z = 4.28 ( 52.24   27.8 = 316.83; ( 53.27   37.83 = 120.55; ( Z = 1.34 ( 54.36   30.83 = 278.71; ( Z = 1.08 ( 47.42   30.67 = 160.40; ( Z = 1.15 (	P = 1.31, P < 0.00 0.6658 = 8.93 $Chi^{p} = 47, P = 0.26$ 0.8564 = 6.37 $Chi^{p} = 32, Chi^{p} = 32, Chi^{p} = 0.26$ 0.6228 = 7.25 $Chi^{p} = 0.26$ 0.7761 = 6.74 0.7761 = 0.26 0.7761 = 0.26	58 , df = 1 39 6 45 7.84, dt 3) 39 6 45 5.62, dt 3) 39 6 45 2.87, dt 3) 39 6 45 1.58, dt 5) 500	(P = 0.2 53.5 54.5 56.18 56.49 f = 1 (P · 55.5 55.77 f = 1 (P · 48.97 50.35 f = 1 (P ·	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98 < 0.00001) 0.48 3.48 < 0.00001) 0.5827 4 < 0.00001)	68 % 34 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 87 707	12.1% 8.1% 0.7% 8.8% 8.8% 8.8% 8.0% 1.3% 9.3% 8.1% 9.3% 8.1% 9.3% 8.1% 9.3% 8.1% 9.3% 8.0% 1.1% 9.3%	-1.89 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.82, -13.50 -10.57 [-25.99, 4.86] -1.14 [-1.39, -0.89 -24.94 [-3.02, -19.06 -12.85 [-3.6.17, 10.47] -1.55 [-1.86, -1.24 -19.68 [-25.18, -1.4.18	
ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect 3.2.6 S lahui Wu 2022 luan Jian 2021 ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect 3.2.7 T lahui Wu 2022 luan Jian 2021 ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect 3.2.8 I lahui Wu 2022 luan Jian 2021 ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect 3.2.9 N lahui Wu 2022 luan Jian 2021 ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect	= 0.21; Chi Z = 4.28 ( 52.24   27.8 = 316.83; C Z = 1.08 ( 53.27   37.83 = 120.55; C Z = 1.34 ( 54.36   30.83 = 278.71; C = 1.08 ( 47.42   30.67 = 1.08 ( 2 = 1.15 ( = 1.25; Chi	P = 1.31, P < 0.0658 8.93 ChP = 0.26 0.8564 6.37 ChP = 0.26 7.25 ChP = 0.26 7.25 ChP = 0.26 0.6228 7.25 ChP = 0.26 0.7761 6.74 ChP = 0.26 0.7761	58 , df = 1 39 6 45 45 45 45 30 8 45 45 45 45 45 45 45 45 45 5.62, df 3) 39 6 45 5.2.87, df 3) 39 6 45 5.2.87, df 3) 39 6 45 5.2.87, df 3) 39 6 45 5.62, df 3) 39 6 6 45 5.62, df 3) 39 6 6 5.62, df 3) 39 6 6 8 5.62, df 30 3 9 6 8 5.62, df 30 5 5.62, df 45 5 5.62, df 45 5 5 5 5 6 6 7 6 7 7 7 7 7 7 7 7 7 7 7	(P = 0.7 53.5 54.5 54.5 56.18 56.49 f = 1 (P · 55.5 55.77 f = 1 (P · 48.97 50.35 f = 1 (P ·	25);  * = 24 0.5557 3.37 < 0.00001) 0.6052 2.98 < 0.00001) 0.48 3.48 < 0.00001) 0.5827 4 < 0.00001)	68 % 34 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 52 86 87 707	12.1% 8.1% 0.7% 8.8% 8.8% 8.8% 8.0% 1.3% 9.3% 8.1% 9.3% 8.1% 9.3% 8.1% 9.3% 8.1% 9.3% 8.0% 1.1% 9.3%	-1.29 [-2.75, -1.02] -1.26 [-1.54, -0.98 -26.70 [-33.90, -19.50 -13.71 [-38.64, 11.21] -2.91 [-3.25, -2.57 -18.66 [-23.25, -13.50 -10.57 [-25.99, 4.86] -1.14 [-1.39, -0.89 -24.94 [-30.82, -19.06 -12.85 [-36.17, 10.47] -1.55 [-1.86, -1.24 -19.68 [-25.18, -14.18 -10.40 [-28.16, 7.36]	

Fig S67. Forest plot of RPC-VD between HC and DON in OCTA of Bartley criteria

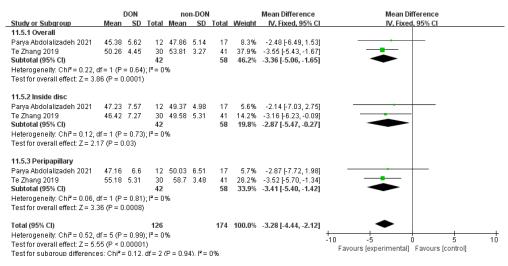


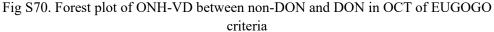


criteria

		DON			1-DON			Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
11.2.1 Overall									
Agnieszka 2022	83.8	7.9	8	99.3	17.2	39	6.5%	-15.50 [-23.19, -7.81]	
Parya Abdolalizadeh 2021	87.1	11.32	21	98	7.26	30	12.8%	-10.90 [-16.39, -5.41]	
Te Zhang 2019	90.52	11.89	30	98.46	7.43	41	16.5%	-7.94 [-12.76, -3.12]	
Yunhai Tu 2023	97.53	10.2	31	104.04	7.41	50	22.4%	-6.51 [-10.65, -2.37]	
Subtotal (95% CI)			90			160	58.2%	-9.29 [-12.63, -5.95]	•
Heterogeneity: Tau <sup>2</sup> = 4.29; C	hi² = 4.3	77, df=	3 (P = 1	0.19); l² =	37%				
Test for overall effect: Z = 5.45	5 (P < 0.	.00001)							
11.2.2 Superior-hemi									
Agnieszka 2022	84.1	9.4	8	95.1	6.5	39	8.3%	-11.00 [-17.83, -4.17]	
Parya Abdolalizadeh 2021	87.45	11.42	21	97.13	7.3	30	12.6%	-9.68 [-15.22, -4.14]	
Subtotal (95% Cl)			29			69	20.9%	-10.20 [-14.51, -5.90]	<b>•</b>
Heterogeneity: Tau <sup>2</sup> = 0.00; C	hi² = 0.0	09, df =	1 (P = 1	0.77); I <sup>2</sup> =	0%				
Test for overall effect: Z = 4.65	5 (P < 0.	.00001)							
11.2.3 Inferior-hemi									
Agnieszka 2022	83.6	8.7	8	96.5	6	39	9.7%	-12.90 [-19.22, -6.58]	
Parva Abdolalizadeh 2021	86.6	11.9	21		8.07	30		-12.40 [-18.25, -6.55]	
Subtotal (95% CI)			29			69		12.63 [-16.92, -8.34]	<b>•</b>
Heterogeneity: Tau <sup>2</sup> = 0.00; C	$hi^2 = 0.0$	∩1 df=	1 (P = 1	0.91): P=	0%			• • •	
Test for overall effect: Z = 5.77					•				
Total (95% CI)			148			298	100.0%	-9.95 [-11.92, -7.98]	•
Heterogeneity: Tau <sup>2</sup> = 0.06; C	:hi² = 7 (	15 df=		0 42) <sup>,</sup> I <sup>2</sup> =	1%	200	1001010		
Test for overall effect: Z = 9.89				0.42/11 -	1.00				-20 -10 0 10 20
Test for subgroup differences				P = 0.48	$I^{2} = 0.9$				Favours [experimental] Favours [control]

Fig S69. Forest plot of MGGC between non-DON and DON in OCT of EUGOGO





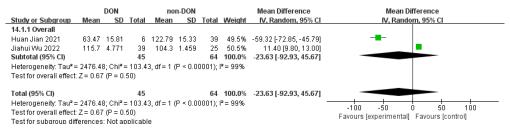
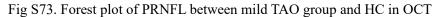


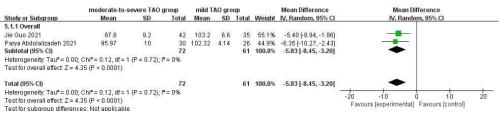
Fig S71. Forest plot of MGGC between non-DON and DON in OCT of Bartley

Study or Subgroup 4.6.1 Overall	Mean	DON SD	Total	n Mean	on-DON SD	Total	Weight	Mean Difference IV, Random, 95% Cl	Mean Difference IV, Random, 95% Cl
liahui Wu 2022	40.24	0.4978	39	49.16	0.5463	25	7.9%	-0.92 [-1.19, -0.65]	
e Zhang 2019	32.18	5.48	30	51.66	3.75	41	4.3%	-19.48 [-21.75, -17.21]	+
ufei Wu 2022	47.42	3.7	19	50.14	1.77	24	5.2%	-2.72 [-4.53, -0.91]	+
ubtotal (95% CI)			88			90	17.4%	-7.65 [-17.02, 1.72]	-
leterogeneity: Tau <sup>2</sup> = 'est for overall effect				= 2 (P	< 0.00001	);   <b>2</b> = 9	99%		
4.6.2 Inside disc									
liahui Wu 2022	47.83	0.9849	39	48.28	1.528	25	7.4%	-0.45 [-1.12, 0.22]	-
′ufei Wu 2022	47.13	5.67	19	49.67	5.03	24	2.9%	-2.54 [-5.79, 0.71]	
ubtotal (95% CI)			58			49	10.4%	-0.87 [-2.50, 0.77]	•
leterogeneity: Tau² = 'est for overall effect				(P = 0.)	22); I <sup>2</sup> = 3	4%			
4.6.3 Peripapillary									
iahui Wu 2022		0.5399			0.5562	25	7.9%	-0.77 [-1.05, -0.49]	
′ufei Wu 2022	50.2	4.58	19	53.04	2.53	24	4.3%	-2.84 [-5.13, -0.55]	-
iubtotal (95% CI) leterogeneity: Tau² =	= 1.45; Cl	hi² = 3.08	58 df=1,	(P = 0.0	08); I² = 6	<b>49</b> 8%	12.2%	-1.48 [-3.40, 0.45]	•
est for overall effect									
4.6.4 Superior-hem									
liahui Wu 2022		0.6456			0.5126	25	7.8%	-1.06 [-1.35, -0.77]	
'ufei Wu 2022	50.29	4.75		53.02	2.63	24	4.2%	-2.73 [-5.11, -0.35]	
Subtotal (95% CI)	0.05-0		58		20.17 4	49	<b>12.0</b> %	-1.46 [-2.86, -0.06]	•
leterogeneity: Tau² = est for overall effect				(r = 0.	(7), I <sup>-</sup> = 4	070			
4.6.5 Inferior-hemi									
iahui Wu 2022	51.73	0.4911	39	52.24	0.6808	25	7.8%	-0.51 [-0.82, -0.20]	•
ʻufei Wu 2022	50.12	4.66	19	52.75	2.27	24	4.3%	-2.63 [-4.91, -0.35]	-
Subtotal (95% Cl) Heterogeneity: Tau² = Test for overall effect:				(P = 0.1	07); I² = 6	<b>49</b> 9%	12.1%	-1.26 [-3.24, 0.73]	•
4.6.6 S									
	27.8	8 93	6	63.68	3.90	30	0.8%	-25 99 122 12 -19 63	
luan Jian 2021	27.8 52.24	8.93 0.6658		53.68 52.84	3.89 0.7111	39 25		-25.88 [-33.13, -18.63]	
Huan Jian 2021 Iiahui Wu 2022		8.93 0.6658	39		3.89 0.7111	25	7.8%	-0.60 [-0.95, -0.25]	
luan Jian 2021	52.24 312.68;	0.6658 Chi <sup>2</sup> = 48	39 <b>45</b> 5.61, di	52.84	0.7111	25 64	7.8% <b>8.6</b> %		
Huan Jian 2021 liahui Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>#</sup> = Test for overall effect	52.24 312.68;	0.6658 Chi <sup>2</sup> = 48	39 <b>45</b> 5.61, di	52.84	0.7111	25 64	7.8% <b>8.6</b> %	-0.60 [-0.95, -0.25]	
Huan Jian 2021 Iiahui Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> =	52.24 312.68;	0.6658 Chi <sup>2</sup> = 48	39 <b>45</b> 6.61, d1 ))	52.84	0.7111	25 64	7.8% <b>8.6</b> % 38%	-0.60 [-0.95, -0.25]	
Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = Test for overall effect 4.6.7 T	52.24 = 312.68; :Z = 1.03 37.83	0.6658 ; Chi <sup>2</sup> = 48 } (P = 0.30	39 <b>45</b> 6.61, d1 ))	52.84 = 1 (P 55.36	0.7111 < 0.0000'	25 64 I); I <sup>2</sup> = 9	7.8% <b>8.6</b> % 38%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80]	
Huan Jian 2021 Ilahui Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> = est for overall effect I4.6.7 T Huan Jian 2021 Ilahui Wu 2022 Subtotal (95% CI)	52.24 = 312.68; :Z = 1.03 37.83 53.27	0.6658 ; Chi <sup>z</sup> = 4( } (P = 0.3) 6.37 0.8564	39 45 5.61, dt 3) 6 39 45	52.84 = 1 (P 55.36 54.16	0.7111 < 0.00001 3.57 0.6896	25 64 ();   <sup>2</sup> = 9 39 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2%	-0.60 [-0.95, -0.25] - <b>12.97 [-37.74, 11.80]</b> -17.53 [-22.75, -12.31]	
Huan Jian 2021 liahui Wu 2022 Subtotal (95% CI) Heterogeneity: Tau≢ = Test for overall effect I4.6.7 T Huan Jian 2021 liahui Wu 2022	52.24 = 312.68; :Z = 1.03 37.83 53.27 = 134.88;	0.6658 ; Chi <sup>2</sup> = 4( ) (P = 0.3) 6.37 0.8564 ; Chi <sup>2</sup> = 3(	39 45 5.61, dt 3) 6 39 45 3.85, dt	52.84 = 1 (P 55.36 54.16	0.7111 < 0.00001 3.57 0.6896	25 64 ();   <sup>2</sup> = 9 39 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51]	
Huan Jian 2021 Ilahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>#</sup> = Test for overall effect I4.6.7 T Huan Jian 2021 Jiahui Wu 2022 Subtotal (95% Cl) Heterogeneily: Tau <sup>#</sup> =	52.24 = 312.68; :Z = 1.03 37.83 53.27 = 134.88;	0.6658 ; Chi <sup>2</sup> = 4( ) (P = 0.3) 6.37 0.8564 ; Chi <sup>2</sup> = 3(	39 45 5.61, dt 3) 6 39 45 3.85, dt	52.84 = 1 (P 55.36 54.16	0.7111 < 0.00001 3.57 0.6896	25 64 ();   <sup>2</sup> = 9 39 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51]	
Huan Jian 2021 Iahui Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>#</sup> = 'est for overall effect I4.6.7 T Huan Jian 2021 Iahui Wu 2022 Subtotal (95% CI) Heterogeneity: Tau <sup>#</sup> = 'est for overall effect	52.24 = 312.68; :Z = 1.03 37.83 53.27 = 134.88;	0.6658 ; Chi <sup>2</sup> = 4( ) (P = 0.3) 6.37 0.8564 ; Chi <sup>2</sup> = 3(	39 45 3.61, dt 3) 6 39 45 3.85, dt 3)	52.84 = 1 (P 55.36 54.16	0.7111 < 0.00001 3.57 0.6896	25 64 ();   <sup>2</sup> = 9 39 25 64	7.8% 8.6% 98% 1.5% 7.8% 9.2% 97%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51]	
Huan Jian 2021 Iahui Wu 2022 Subtotal (95% CI) Heterogeneily: Tau <sup>#</sup> = "est for overall effect I4.6.7 T Huan Jian 2021 Juan Jian 2021 Subtotal (95% CI) Heterogeneily: Tau <sup>#</sup> = "est for overall effect I4.6.8 I	52.24 = 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83	0.6658 ; Chi <sup>2</sup> = 4( ) (P = 0.3( 6.37 0.8564 ; Chi <sup>2</sup> = 3( ) (P = 0.2(	39 45 3.61, dt 3) 6 39 45 3.85, dt 3)	52.84 = 1 (P 55.36 54.16 = 1 (P 55.54	0.7111 < 0.0000 3.57 0.6896 < 0.0000	25 64 1);   <sup>2</sup> = 9 39 25 64 1);   <sup>2</sup> = 9	7.8% 8.6% 98% 1.5% 7.8% 9.2% 97%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30]	
Huan Jian 2021 iahui Wu 2022 jubtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = rest for overall effect 4.6.7 T Huan Jian 2021 iahui Wu 2022 jubtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = rest for overall effect 4.6.8 I Huan Jian 2021 iahui Wu 2022 jubtotal (95% Cl)	52.24 = 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83 54.36	0.6658 ( Chi <sup>2</sup> = 44 ) (P = 0.30 6.37 0.8564 ( Chi <sup>2</sup> = 36 ) (P = 0.20 7.25 0.6228	39 45 5.61, dt 39 45 5.85, dt 3) 6 39 45	52.84 = 1 (P 55.36 54.16 = 1 (P 55.54 55.16	0.7111 < 0.0000 3.57 0.6896 < 0.0000 4.43 0.8863	25 64 (); I <sup>2</sup> = 9 25 64 (); I <sup>2</sup> = 9 39 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2% 37% 1.2% 7.8% 8.9%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30] -24.71 [-30.68, -18.74]	
Iuan Jian 2021 Iahui Wu 2022 Jubtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = iest for overail effect 4.6.7 T Iuan Jian 2021 Iahui Wu 2022 Set for overail effect 4.6.8 I Juan Jian 2021 Iahui Wu 2022 Subtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> =	52.24 = 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83 54.36 = 281.19;	0.6658 $Chi^{2} = 40$ P = 0.30 0.8564 $Chi^{2} = 30$ P = 0.20 7.25 0.6228 $Chi^{2} = 6^{2}$	39 45 5.61, dt 39 45 3.85, dt 3) 6 39 45 1.44, dt	52.84 = 1 (P 55.36 54.16 = 1 (P 55.54 55.16	0.7111 < 0.0000 3.57 0.6896 < 0.0000 4.43 0.8863	25 64 (); I <sup>2</sup> = 9 25 64 (); I <sup>2</sup> = 9 39 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2% 37% 1.2% 7.8% 8.9%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40]	
Huan Jian 2021 iahui Wu 2022 jubtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = rest for overall effect 4.6.7 T Huan Jian 2021 iahui Wu 2022 jubtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = rest for overall effect 4.6.8 I Huan Jian 2021 lahui Wu 2022 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = rest for overall effect	52.24 = 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83 54.36 = 281.19;	0.6658 $Chi^{2} = 40$ P = 0.30 0.8564 $Chi^{2} = 30$ P = 0.20 7.25 0.6228 $Chi^{2} = 6^{2}$	39 45 5.61, dt 39 45 3.85, dt 3) 6 39 45 1.44, dt	52.84 = 1 (P 55.36 54.16 = 1 (P 55.54 55.16	0.7111 < 0.0000 3.57 0.6896 < 0.0000 4.43 0.8863	25 64 (); I <sup>2</sup> = 9 25 64 (); I <sup>2</sup> = 9 39 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2% 37% 1.2% 7.8% 8.9%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40]	
Iuan Jian 2021 Iahui Wu 2022 Jubtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = iest for overail effect 4.6.7 T Iuan Jian 2021 Iahui Wu 2022 Settor overail effect 4.6.8 I Iuan Jian 2021 Iahui Wu 2022 Subtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = ieterogeneity: Tau <sup>2</sup> = iets for overail effect 4.6.9 N	52.24 = 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83 54.36 = 281.19;	0.6658 $Chi^{2} = 40$ P = 0.30 0.8564 $Chi^{2} = 30$ P = 0.20 7.25 0.6228 $Chi^{2} = 6^{2}$	39 45 5.61, dt )) 6 39 45 3.85, dt 3) 6 39 45 1.44, dt 3)	52.84 = 1 (P 55.36 54.16 = 1 (P 55.54 55.16	0.7111 < 0.0000 3.57 0.6896 < 0.0000 4.43 0.8863	25 64 (); I <sup>2</sup> = 9 25 64 (); I <sup>2</sup> = 9 39 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2% 37% 1.2% 7.8% 8.9% 38%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -12.56 [-35.99, 10.87]	
Huan Jian 2021           Liahui Wu 2022           Jubtotal (95% Cl)           Heterogeneity: Tau <sup>2</sup> =           fest for overall effect           4.6.7 T           Huan Jian 2021           Lahui Wu 2022           Subtotal (95% Cl)           Heterogeneity: Tau <sup>2</sup> =           Terrogeneity: Tau <sup>2</sup> =           Terrogeneity: Tau <sup>2</sup> =           Terrogeneity: Tau <sup>2</sup> =           Luan Jian 2021           Lahui Wu 2022           Lubtotal (95% Cl)           Heterogeneity: Tau <sup>2</sup> =           Terrogeneity: Tau <sup>2</sup> =           Setfor overall effect           4.6.8 I           Huan Jian 2021           Lahui Wu 2022           Lubtotal (95% Cl)           Heterogeneity: Tau <sup>2</sup> =           Setfor overall effect           4.6.9 N           Huan Jian 2021	52.24 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83 54.36 = 281.19; Z = 1.05 30.67	0.6658 $(Chi^{2} = 4)$ (P = 0.3) (P = 0.3) 0.8564 $(Chi^{2} = 3)$ (P = 0.2) 7.25 0.6228 $(Chi^{2} = 6)$ (P = 0.2)	39 45 5.61, dt 39 45 3.85, dt 3) 6 39 45 1.44, dt 3) 6	52.84 = 1 (P 55.36 54.16 = 1 (P 55.54 55.16 = 1 (P 48.64	0.7111 < 0.0000 3.57 0.6896 < 0.0000 4.43 0.8863 < 0.0000	25 64 ));   <sup>2</sup> = 9 25 64 ();   <sup>2</sup> = 9 25 64 ();   <sup>2</sup> = 9	7.8% 8.6% 38% 1.5% 7.8% 9.2% 37% 1.2% 7.8% 8.9% 38%	-0.60 [-0.95, -0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40]	
Huan Jian 2021 Iahui Wu 2022 Jubtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect 4.6.7 T Huan Jian 2021 Iahui Wu 2022 Jubtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect 4.6.8 I Huan Jian 2021 Iahui Wu 2022 Subtotal (95% Cl) Heterogeneity: Tau <sup>2</sup> = Test for overall effect 4.6.9 N Huan Jian 2021 Iahui 2022	52.24 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83 54.36 = 281.19; Z = 1.05 30.67	0.6658 $(Chi^2 = 4)$ (P = 0.30) 0.8564 $(Chi^2 = 3)$ 0(P = 0.2) 7.25 0.6228 $(Chi^2 = 6)$ $(Chi^2 = 6)$ (P = 0.2) 6.37	39 45 5.61, dt 39 45 3.85, dt 3) 6 39 45 1.44, dt 3) 6	52.84 = 1 (P 55.36 54.16 = 1 (P 55.54 55.16 = 1 (P 48.64	0.7111 < 0.0000 3.57 0.6896 < 0.0000 4.43 0.8863 < 0.0000 3.85	25 64 39 25 64 (); I <sup>2</sup> = 9 39 25 64 (); I <sup>2</sup> = 9 39 39 39	7.8% 8.6% 98% 1.5% 7.8% 9.2% 97% 1.2% 7.8% 8.9% 38%	-0.60 [-0.95,-0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -12.56 [-35.99, 10.87]	
Iuan Jian 2021 Iahui Wu 2022 Lubtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = est for overall effect 4.6.7 T Iuan Jian 2021 Iubtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = est for overall effect 4.6.8 I Iuan Jian 2021 Iahui Wu 2022 Lubtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = est for overall effect 4.6.9 N Iuan Jian 2021 Iahui Wu 2022 Lubtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> =	52.24 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83 54.36 = 281.19; Z = 1.05 30.67 47.42 = 138.31;	0.6658 $(Chi^2 = 44)$ (P = 0.3) 0.8564 $(Chi^2 = 33)$ (P = 0.2) $(Chi^2 = 6)$ $(Chi^2 = 6)$ $(Chi^2 = 3)$ $(Chi^2 = 3)$	39 45 5.61, dt 39 45 3.85, dt 39 6 39 45 1.44, dt 3) 6 39 45 5.63, dt	52.84 55.36 54.16 55.54 55.54 55.54 55.16 48.64 48.62	0.7111 < 0.0000 3.57 0.6896 < 0.0000 4.43 0.8863 < 0.0000 3.85 0.7074	25 64 39 25 64 ();  P= 0 39 25 64 39 25 64 ();  P= 0 39 25 64 39 25 64	7.8% 8.6% 88% 1.5% 7.8% 9.2% 97% 1.2% 7.8% 8.9% 88% 1.3% 7.8% 9.1%	-0.60 [-0.95,-0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -12.56 [-35.99, 10.87] -17.97 [-23.50, -12.44] -1.10 [-1.47, -0.73]	
Huan Jian 2021 Huan Jian 2021 Jabutotal (95% CI) Heterogeneity: Tau <sup>2</sup> = fest for overall effect H4.6.7 T Huan Jian 2021 Hatorogeneity: Tau <sup>2</sup> = fest for overall effect H4.6.8 I Huan Jian 2021 Hatorogeneity: Tau <sup>2</sup> = fest for overall effect H4.6.9 N Huan Jian 2021 Huan Jian 2021 Hatorogeneity: Tau <sup>2</sup> = fest for overall effect H4.6.9 N Huan Jian 2021 Hatorogeneity: Tau <sup>2</sup> = fest for overall effect H4.6.9 N Huan Jian 2021 Hatorogeneity: Tau <sup>2</sup> = fest for overall effect	52.24 312.68; Z = 1.03 37.83 53.27 = 134.88; Z = 1.08 30.83 54.36 = 281.19; Z = 1.05 30.67 47.42 = 138.31;	0.6658 $(Chi^2 = 44)$ (P = 0.3) 0.8564 $(Chi^2 = 33)$ (P = 0.2) $(Chi^2 = 6)$ $(Chi^2 = 6)$ $(Chi^2 = 3)$ $(Chi^2 = 3)$	39 45 5.61, dt 39 45 3.856, dt 39 45 1.44, dt 3) 6 39 45 5.63, dt 7)	52.84 55.36 54.16 55.54 55.54 55.54 55.16 48.64 48.62	0.7111 < 0.0000 3.57 0.6896 < 0.0000 4.43 0.8863 < 0.0000 3.85 0.7074	25 64 39 25 64 (); P = 9 39 25 64 64 (); P = 9 39 25 64 64 (); P = 9	7.8% 8.6% 88% 1.5% 7.8% 9.2% 37% 1.2% 7.8% 8.9% 38% 1.3% 9.1% 37%	-0.60[-0.95,-0.25] -12.97[-37.74, 11.80] -17.53[-22.75,-12.31] -0.89[-1.27,-0.51] -9.00[-25.30, 7.30] -24.71[-30.68,-18.74] -0.80[-1.20,-0.40] -12.56[-35.99, 10.87] -17.97[-23.50,-12.44] -1.10[-1.47,-0.73] -9.30[-25.83, 7.23]	
Iuan Jian 2021 iahui Wu 2022 jubtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = 'est for overall effect 4.6.7 T Iuan Jian 2021 iahui Wu 2022 Subtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = 'est for overall effect 4.6.8 I Iuan Jian 2021 iahui Wu 2022 Subtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = 'est for overall effect 4.6.9 N Iuan Jian 2021 iahui Wu 2022 Subtotal (95% CI) Ieterogeneity: Tau <sup>2</sup> = 'est for overall effect 'otal (95% CI)	52.24 312.68; Z = 1.03 37.83 53.27 134.88; Z = 1.06 30.83 54.36 281.19; Z = 1.06 30.67 47.42 138.31; Z = 1.10	0.6658 $(Chi^{2} = 44)$ (P = 0.3) 0.8564 $(Chi^{2} = 33)$ (P = 0.2) 7.25 0.6228 $(Chi^{2} = 6)$ $(Chi^{2} = 6)$ $(Chi^{2} = 32)$ 6.74 0.7761 $(Chi^{2} = 32)$ $(Chi^{2} = 32)$ (C	39 45 6.61, dt 1) 6 39 45 3.85, dt 3) 6 39 45 1.44, dt 3) 6 39 45 5.63, dt 7) 5.60, dt	52.84 = 1 (P 55.36 54.16 55.54 55.54 55.54 55.54 55.16 = 1 (P 48.64 48.62 = 1 (P	0.7111 3.67 0.6896 < 0.0000 4.43 0.8863 0.8863 0.8863 0.7074 < 0.0000	25 64 39 25 64 39 25 64 39 25 64 39 25 64 39 25 64 39 25 64 39 25 64 39 25 64 25 64 25 64 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2% 37% 1.2% 7.8% 8.9% 38% 1.3% 7.8% 9.1% 37%	-0.60 [-0.95,-0.25] -12.97 [-37.74, 11.80] -17.53 [-22.75, -12.31] -0.89 [-1.27, -0.51] -9.00 [-25.30, 7.30] -24.71 [-30.68, -18.74] -0.80 [-1.20, -0.40] -12.56 [-35.99, 10.87] -17.97 [-23.50, -12.44] -1.10 [-1.47, -0.73]	
luan Jian 2021 liahui Wu 2022 ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect 4.6.7 T luan Jian 2021 lahui Wu 2022 ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect 4.6.8 I luan Jian 2021 lahui Wu 2022 ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect 4.6.9 N luan Jian 2021 lahui Wu 2022 ubtotal (95% CI) leterogeneity: Tau <sup>2</sup> = est for overall effect	52.24 312.68; Z = 1.03 37.83 53.27 134.88; Z = 1.06 30.83 54.36 281.19; Z = 1.06 30.67 47.42 = 1.38.31; Z = 1.10 = 1.02; CI	0.6658 $(Chi^2 = 44)$ 0 (P = 0.3) 0.8564 $(Chi^2 = 3)$ 0.8564 $(Chi^2 = 3)$ 0.6228 $(Chi^2 = 6)$ 5 (P = 0.2) 6.74 0.7761 $(Chi^2 = 3)$ 0.6228 $(Chi^2 = 6)$ 0.7761 $(Chi^2 = 3)$ $(Chi^2 = 6)$ $(Chi^2 = 6)$	39 45 5.61, dt ) 6 39 45 3.85, dt 3) 6 39 45 1.44, dt 3) 6 6 39 45 5.63, dt 7) 5000	52.84 = 1 (P 55.36 54.16 55.54 55.54 55.54 55.54 55.16 = 1 (P 48.64 48.62 = 1 (P	0.7111 3.67 0.6896 < 0.0000 4.43 0.8863 0.8863 0.8863 0.7074 < 0.0000	25 64 39 25 64 39 25 64 39 25 64 39 25 64 39 25 64 39 25 64 39 25 64 39 25 64 25 64 25 64 25 64	7.8% 8.6% 38% 1.5% 7.8% 9.2% 37% 1.2% 7.8% 8.9% 38% 1.3% 7.8% 9.1% 37%	-0.60[-0.95,-0.25] -12.97[-37.74, 11.80] -17.53[-22.75,-12.31] -0.89[-1.27,-0.51] -9.00[-25.30, 7.30] -24.71[-30.68,-18.74] -0.80[-1.20,-0.40] -12.56[-35.99, 10.87] -17.97[-23.50,-12.44] -1.10[-1.47,-0.73] -9.30[-25.83, 7.23]	

Fig S72. Forest plot of RPC-VD between non-DON and DON in OCT of Bartley

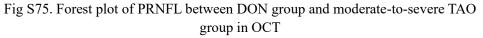
	mild T	AO gro	oup	Health	ny cont	rol		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
4.1.1 Overall									
Jie Guo 2021	103.2	6.6	35	100.3	6.3	35	52.5%	2.90 [-0.12, 5.92]	
Parya Abdolalizadeh 2021	102.32	4.14	26	101.97	8.93	39	47.5%	0.35 [-2.87, 3.57]	
Subtotal (95% CI)			61			74	100.0%	1.69 [-0.81, 4.18]	
Heterogeneity: Tau <sup>2</sup> = 0.71;	Chi <sup>2</sup> = 1.28	8, df = 1	(P = 0)	.26);  2 = 3	22%				
Test for overall effect: Z = 1.	33 (P = 0.1	8)							
Total (95% CI)			61			74	100.0%	1.69 [-0.81, 4.18]	
Heterogeneity: Tau <sup>2</sup> = 0.71;	Chi <sup>2</sup> = 1.28	B, df = 1	(P = 0)	.26);  2 = 3	22%				-10 -5 0 5 10
Test for overall effect: Z = 1.	33 (P = 0.1	8)							-10 -5 0 5 10 Favours [experimental] Favours [control]
Test for subaroup difference	es: Not apr	olicable	э						Favours (experimental) Favours (control)





# Fig S74. Forest plot of PRNFL between moderate-to-severe TAO group and mild TAO group in OCT

		DON		moderate-to-se	vere TAO	group		Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% Cl	IV, Random, 95% Cl
6.1.1 Overall									
Jie Guo 2021	110.6	34.2	68	97.8	9.2	42	58.5%	12.80 [4.21, 21.39]	
Parya Abdolalizadeh 2021	98.86	26.13	21	95.97	10	30	41.5%	2.89 [-8.84, 14.62]	
Subtotal (95% CI)			89			72	100.0%	8.68 [-0.89, 18.26]	◆
Heterogeneity: Tau <sup>2</sup> = 21.57	; Chi <sup>2</sup> = 1	.78, df	= 1 (P =	0.18); I <sup>2</sup> = 44%					
Test for overall effect: Z = 1.	78 (P = 0	.08)							
Fotal (95% CI)			89			72	100.0%	8.68 [-0.89, 18.26]	<b>•</b>
Heterogeneity: Tau <sup>z</sup> = 21.57	; Chi <sup>2</sup> = 1	.78, df	= 1 (P =	0.18); l <sup>2</sup> = 44%				20 10 10 <u>10</u>	
Test for overall effect: Z = 1.7	78 (P = 0	.08)							-50 -25 0 25 50 Favours lexperimentall Favours lcontroll
Test for subaroup difference	es: Not a	pplicab	le						ravours (experimental) ravours (control)



HC: healthy control; non-DON: thyroid-associated ophthalmopathy without DON; DON: dysthyroid optic neuropathy

CAS: clinical activity scores; VA: visual acuity; IOP: intraocular pressure; VF-MD: visual field mean deviation; VF-PSD: visual field pattern standard deviation

PRNFL: peripapillary retinal nerve fiber layer; MGCCL: macular ganglion cell complex layer; GCL+IPL: ganglion cell layer and inner plexiform layer

ONH-VD: optic nerve head vessel density; RPC-VD: radial peripapillary capillary vessel density; RCL: retinal capillary layer; M-SRCL: macular superficial retinal capillary layer; M-DRCL: macular deep retinal capillary layer

S: superior, T: temporal; I: inferior; N: nasal; Superior-hemi: superior hemifield; Inferior-hemi: inferior hemifield; Superior-hemi: superior hemifield; Inferior-hemi: inferior hemifield;