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Study or Subgroup	non-DON Mean	SD	Total	healthy control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
Te Zhang 2019	0.08	0.09	41	-0.02	0.06	23	16.7%	0.10 [0.06, 0.14]
Yufei Wu 2020	0	0.01	23	0	0.01	38	30.1%	0.00 [-0.01, 0.01]
Yufei Wu 2022	-0.01	0.03	24	-0.02	0.04	34	25.5%	0.01 [-0.01, 0.03]
Yunhai Tu 2023	0	0.02	50	-0.01	0.03	24	27.7%	0.01 [-0.00, 0.02]
Total (95% CI)			138			119	100.0%	0.02 [-0.00, 0.04]

Heterogeneity: Tau² = 0.00; Chi² = 29.48, df = 3 (P < 0.00001); I² = 90%
Test for overall effect: Z = 1.93 (P = 0.05)

Favours [experimental] Favours [control]
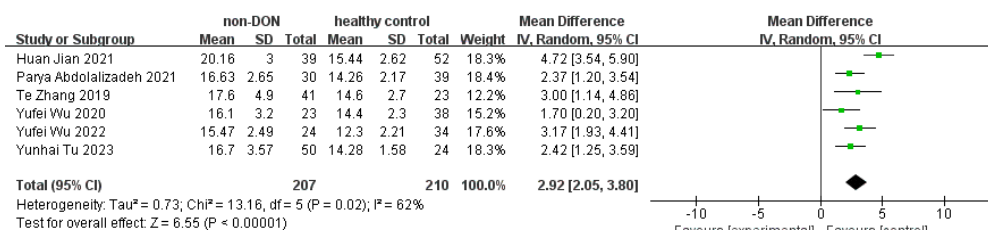
Fig S1. Forest plot of VA between non-DON and DON

Study or Subgroup	non-DON Mean	SD	Total	healthy control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
Huan Jian 2021	20.16	3	39	15.44	2.62	52	18.3%	4.72 [3.54, 5.90]
Parya Abdolalizadeh 2021	16.63	2.65	30	14.26	2.17	39	18.4%	2.37 [1.20, 3.54]
Te Zhang 2019	17.6	4.9	41	14.6	2.7	23	12.2%	3.00 [1.14, 4.86]
Yufei Wu 2020	16.1	3.2	23	14.4	2.3	38	15.2%	1.70 [0.20, 3.20]
Yufei Wu 2022	15.47	2.49	24	12.3	2.21	34	17.6%	3.17 [1.93, 4.41]
Yunhai Tu 2023	16.7	3.57	50	14.28	1.58	24	18.3%	2.42 [1.25, 3.59]
Total (95% CI)			207			210	100.0%	2.92 [2.05, 3.80]

Heterogeneity: Tau² = 0.73; Chi² = 13.16, df = 5 (P = 0.02); I² = 62%
Test for overall effect: Z = 6.55 (P < 0.00001)

Favours [experimental] Favours [control]

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

Study or Subgroup	non-DON Mean	SD	Total	healthy control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
Jiahui Wu 2022	-1.483	0.2778	25	-2.409	0.4732	34	53.2%	0.93 [0.73, 1.12]
Yunhai Tu 2023	-1.1	1.2	50	-0.95	1.15	24	46.8%	-0.15 [-0.72, 0.42]
Total (95% CI)			75			58	100.0%	0.42 [-0.63, 1.47]

Heterogeneity: Tau² = 0.53; Chi² = 12.37, df = 1 (P = 0.0004); I² = 92%
Test for overall effect: Z = 0.79 (P = 0.43)

Favours [experimental] Favours [control]

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

Study or Subgroup	DON Mean	SD	Total	healthy control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
Te Zhang 2019	0.73	0.5	30	-0.02	0.06	23	24.6%	0.75 [0.57, 0.93]
Yufei Wu 2020	0.15	0.37	21	0	0.01	38	25.2%	0.15 [-0.01, 0.31]
Yufei Wu 2022	0.51	0.53	19	-0.02	0.04	34	22.8%	0.53 [0.29, 0.77]
Yunhai Tu 2023	0.15	0.07	31	-0.01	0.03	24	27.5%	0.16 [0.13, 0.19]
Total (95% CI)			101			119	100.0%	0.39 [0.11, 0.66]

Heterogeneity: Tau² = 0.07; Chi² = 48.66, df = 3 (P < 0.00001); I² = 94%
Test for overall effect: Z = 2.78 (P = 0.005)

Favours [experimental] Favours [control]

Fig S4. Forest plot of VA between HC and DON

Study or Subgroup	DON Mean	SD	Total	healthy control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
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: Tau² = 9.61; Chi² = 37.24, df = 5 (P < 0.00001); I² = 87%
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 S6.Forest plot of VF-MD between HC and DON

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

Fig S8.Forest plot of VA between non-DON and DON
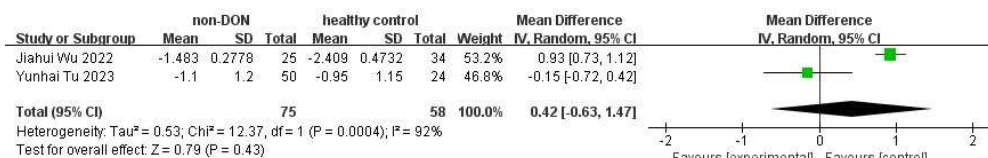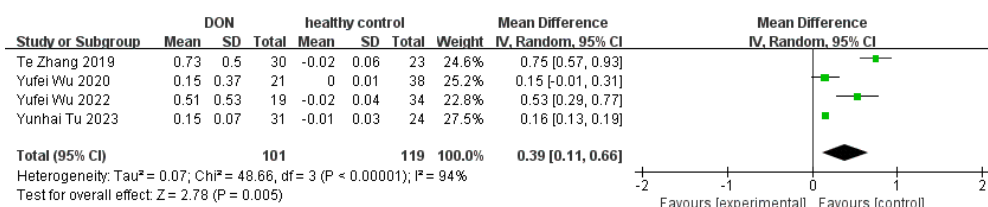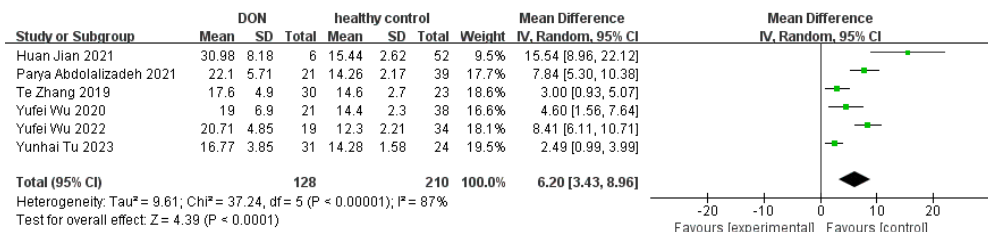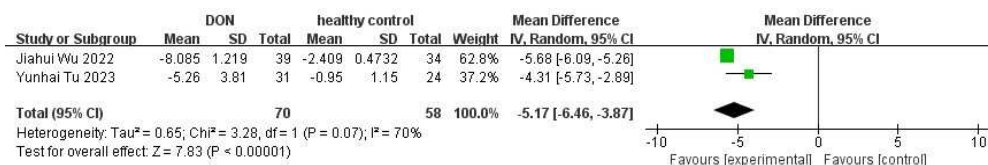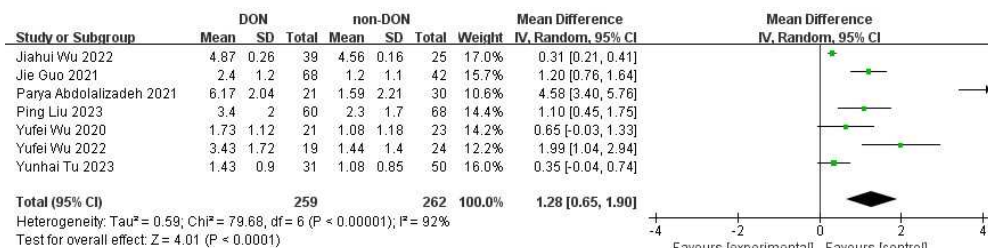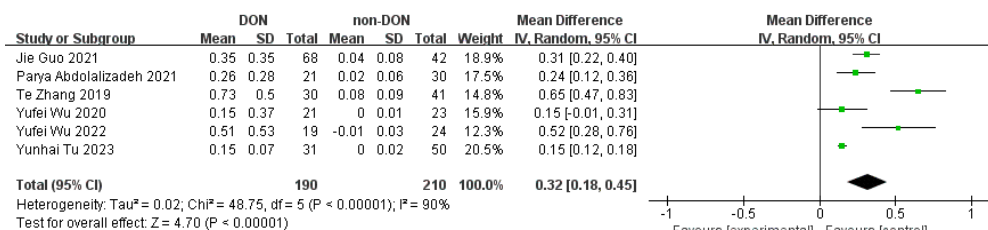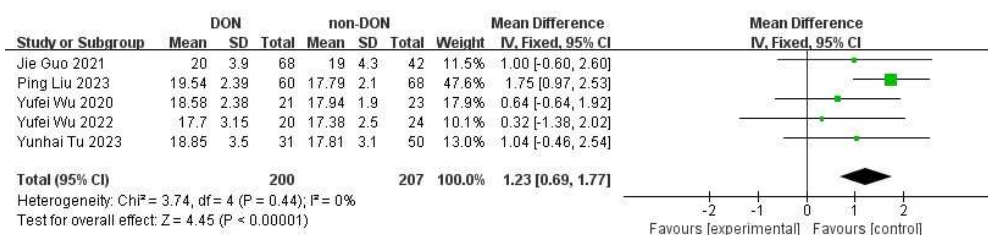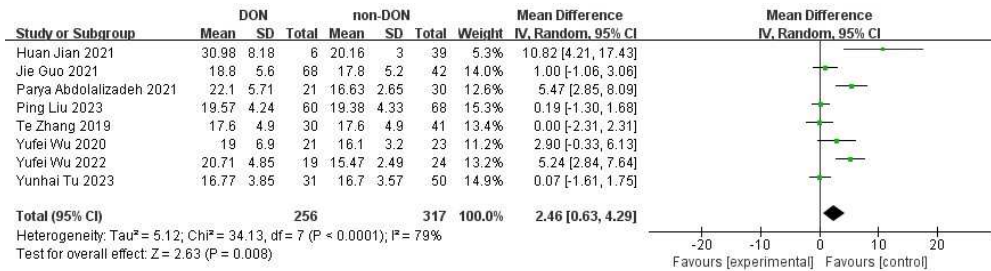
Fig S9.Forest plot of exophthalmos between non-DON and DON
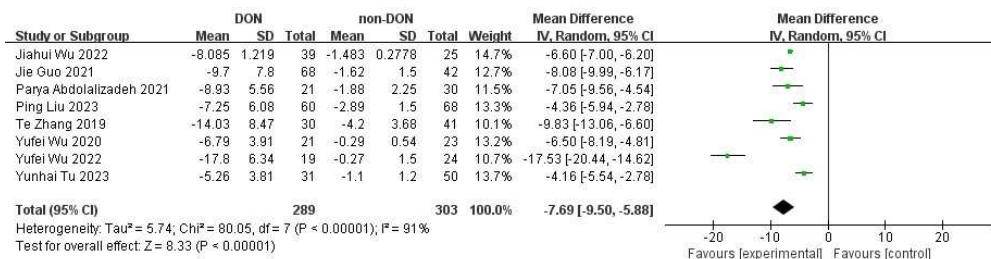
Fig S10.Forest plot of IOP between non-DON and DON
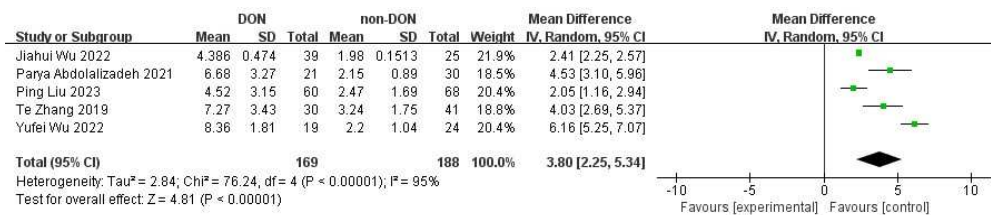

Fig S11.Forest plot of VF-MD between non-DON and DON
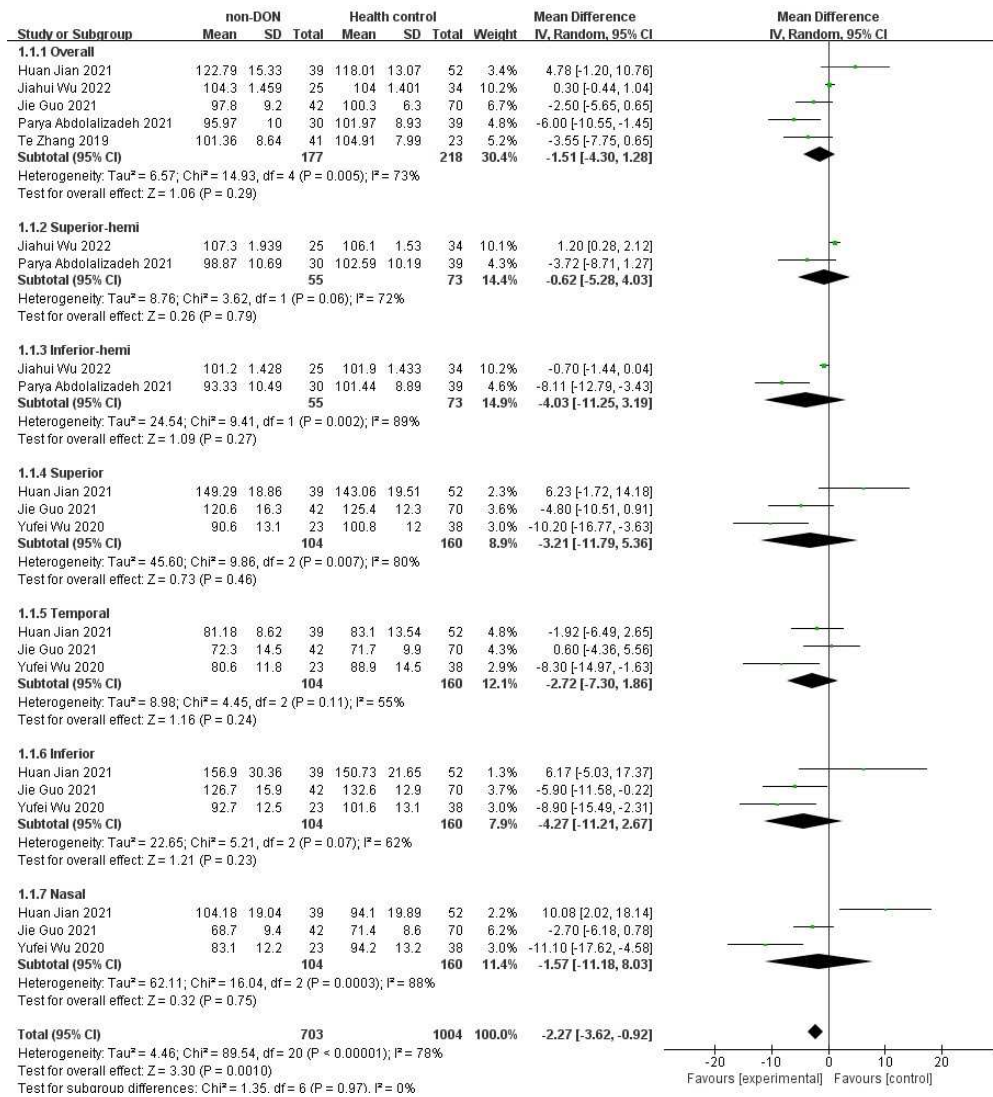

Fig S12.Forest plot of VF-PSD between non-DON and DON
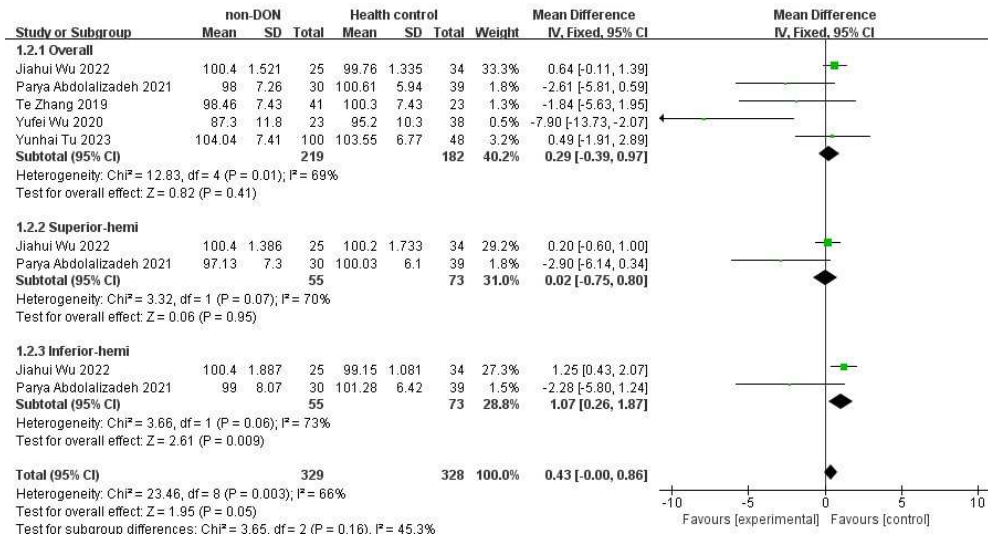
Fig S13.Forest plot of PRNFL between HC and non-DON in OCT
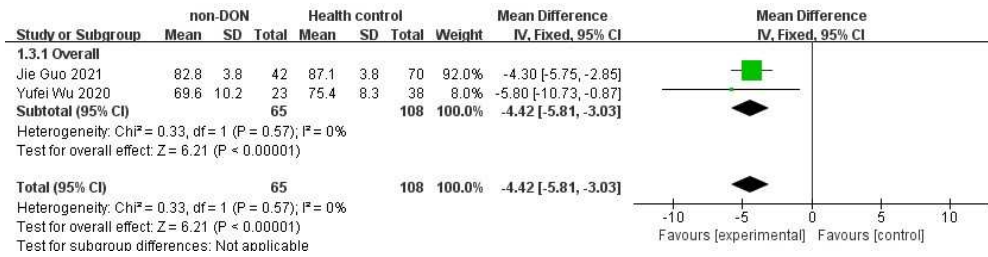
Fig S14.Forest plot of MGGCL between HC and non-DON in OCT

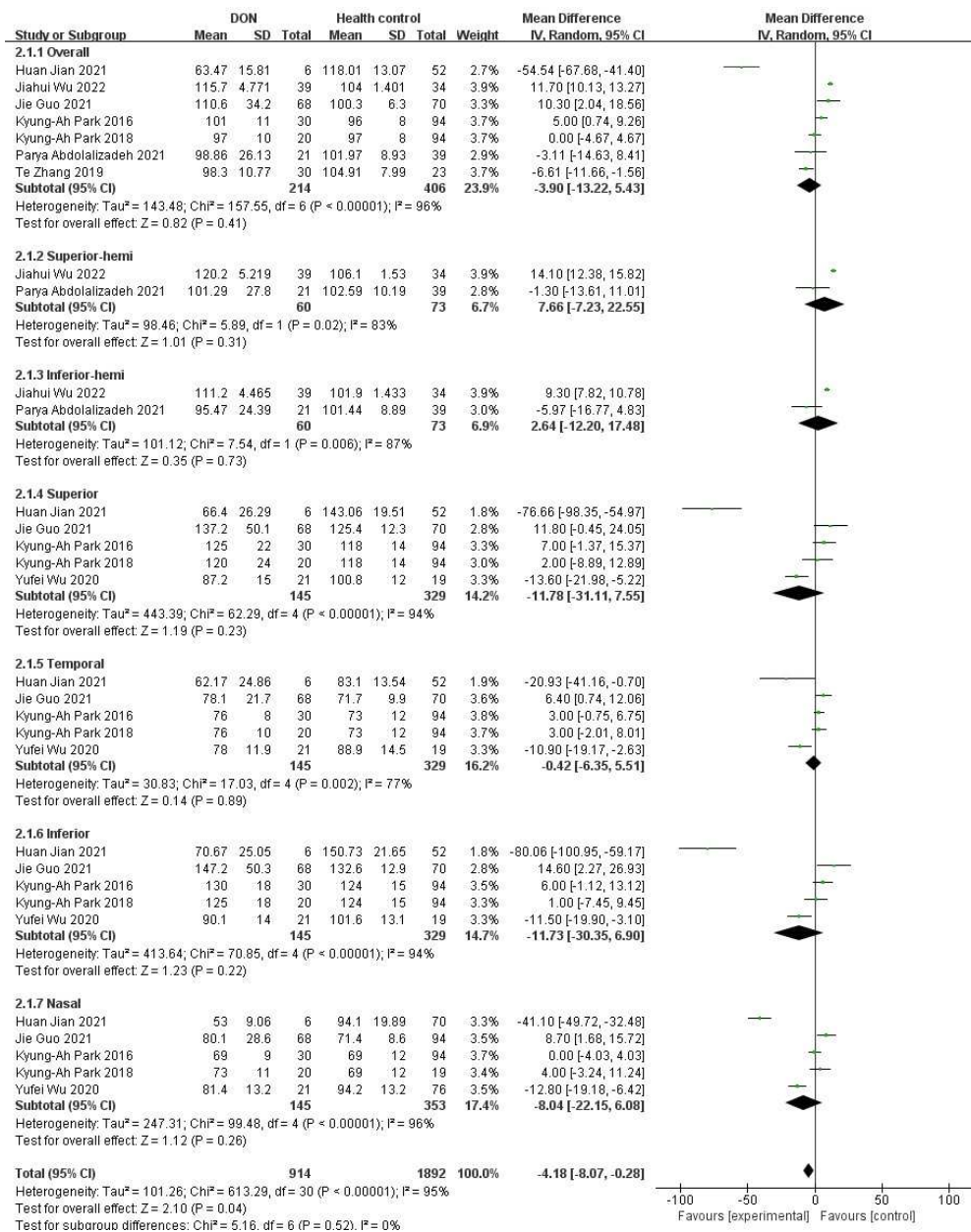Fig S15.Forest plot of GCL+IPL between HC and non-DON in OCT
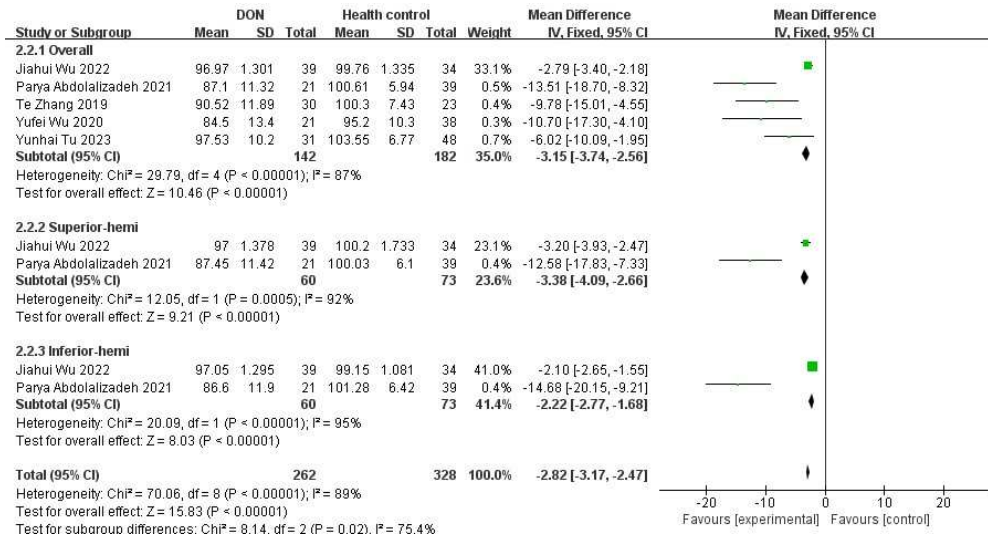
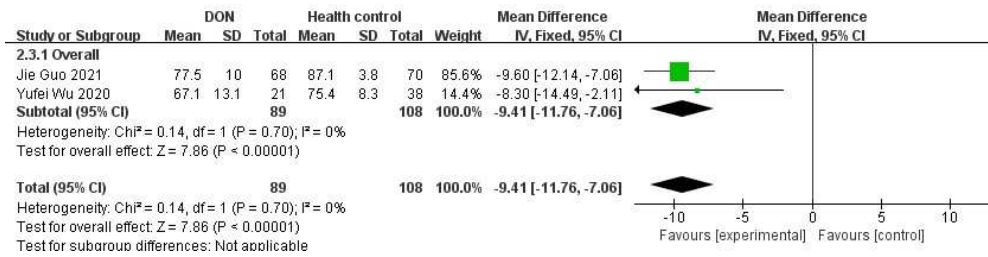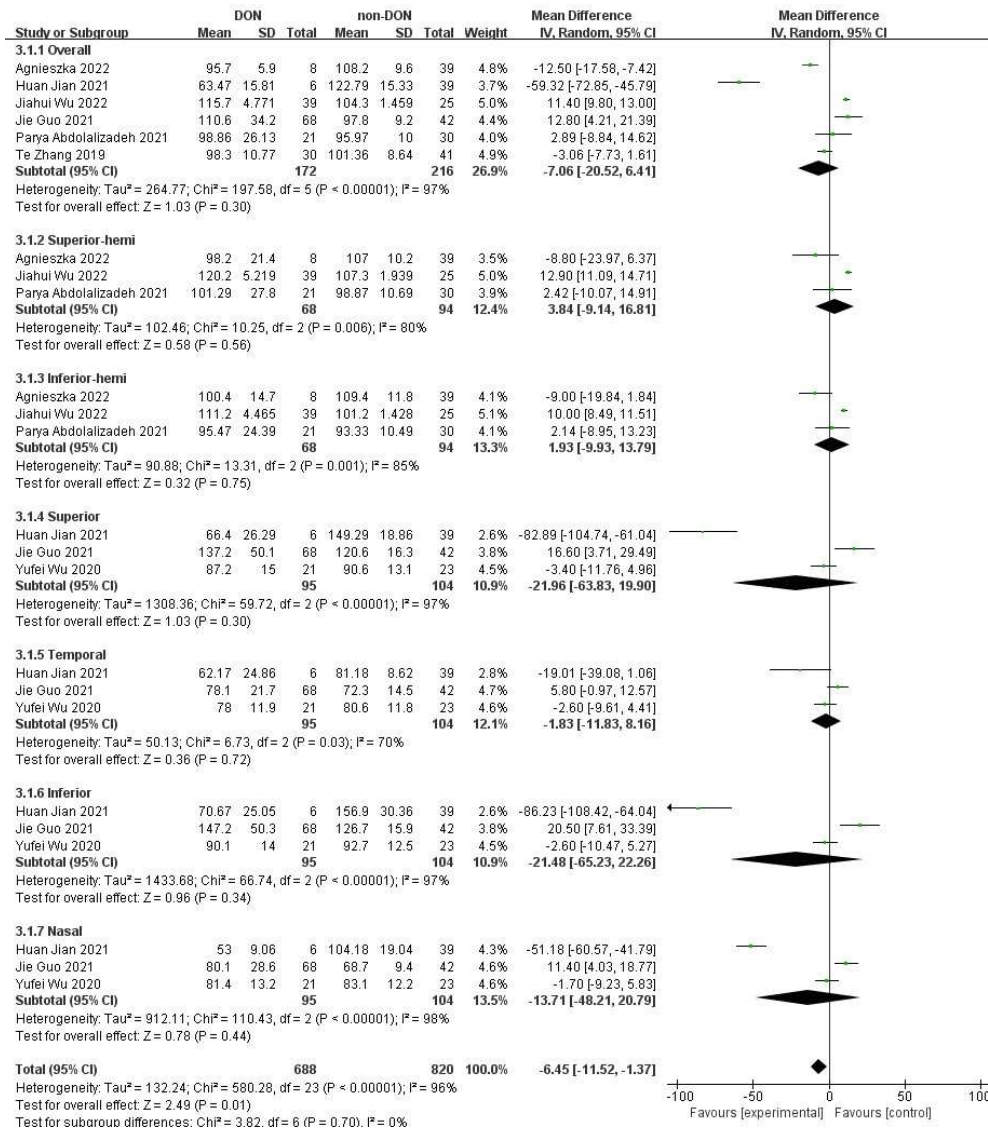Fig S16.Forest plot of PRNFL between HC and DON in OCT

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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

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

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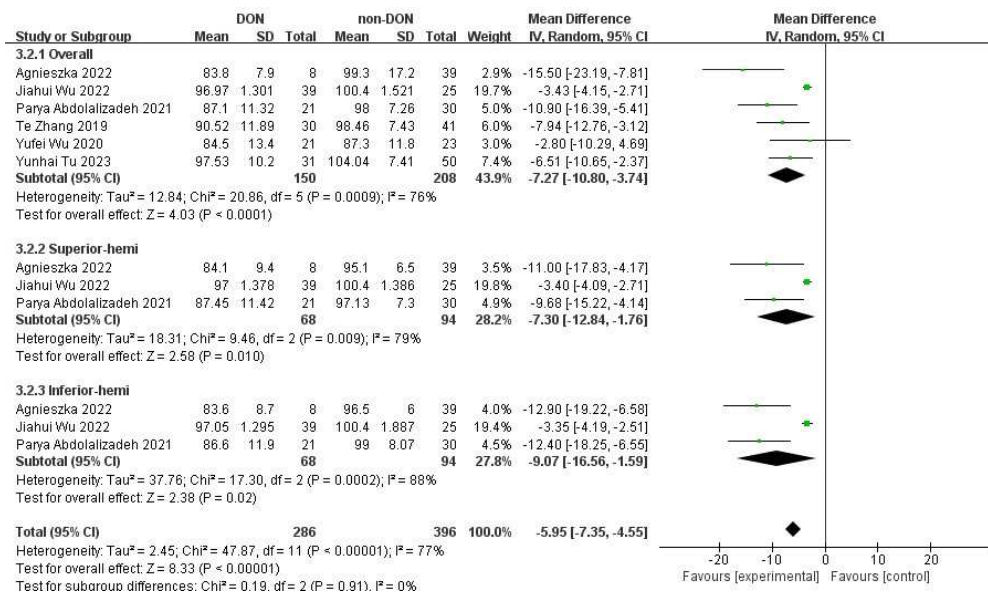
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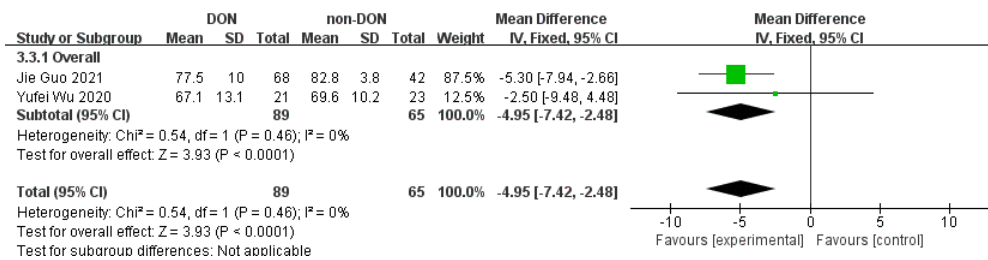Fig S20.Forest plot of MGGCL between non-DON and DON in OCT

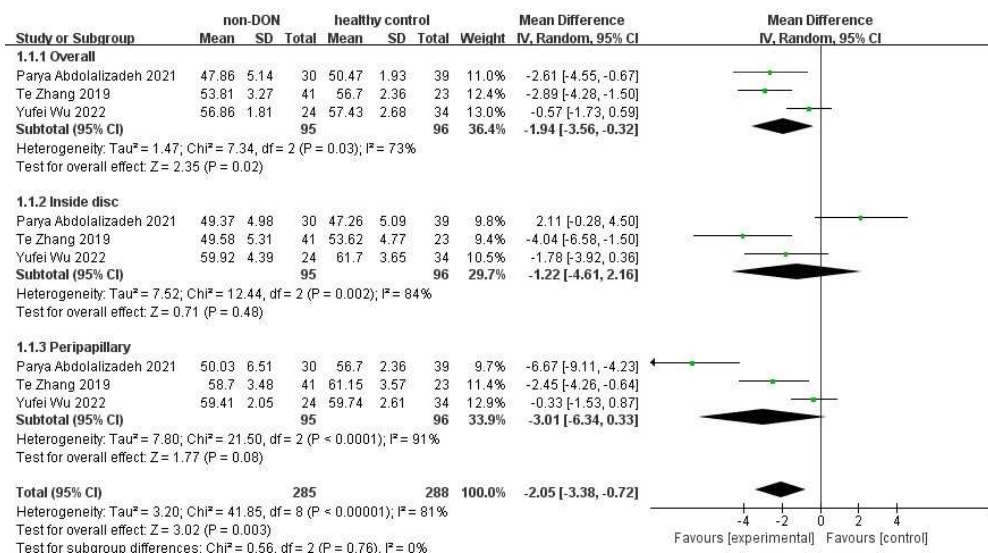Fig S21.Forest plot of GCL+IPL between non-DON and DON in OCT

Fig S22.Forest plot of ONH-VD between HC and non-DON in OCTA

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

Fig S24.Forest plot of RCL between HC and non-DON in OCTA

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

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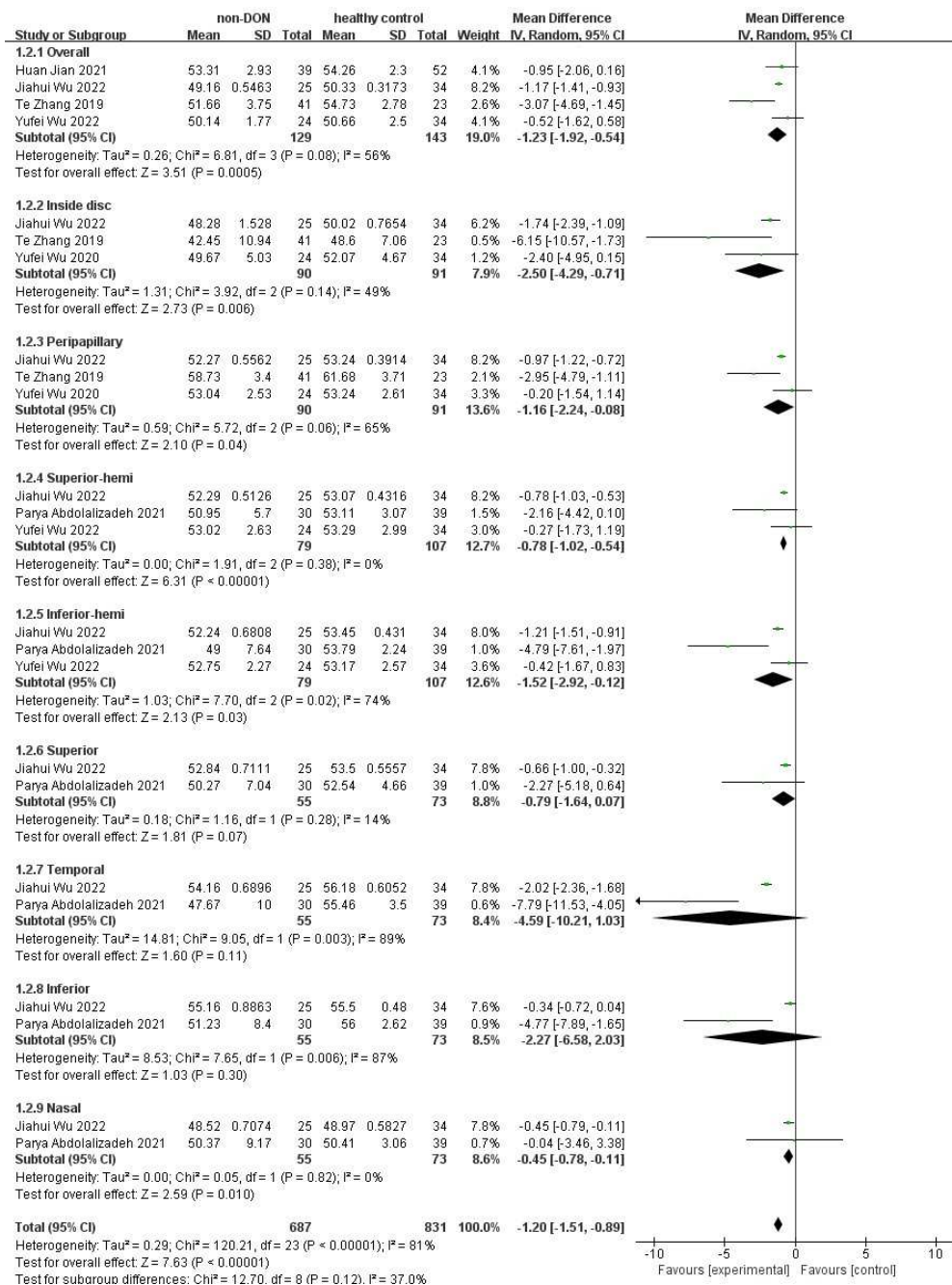
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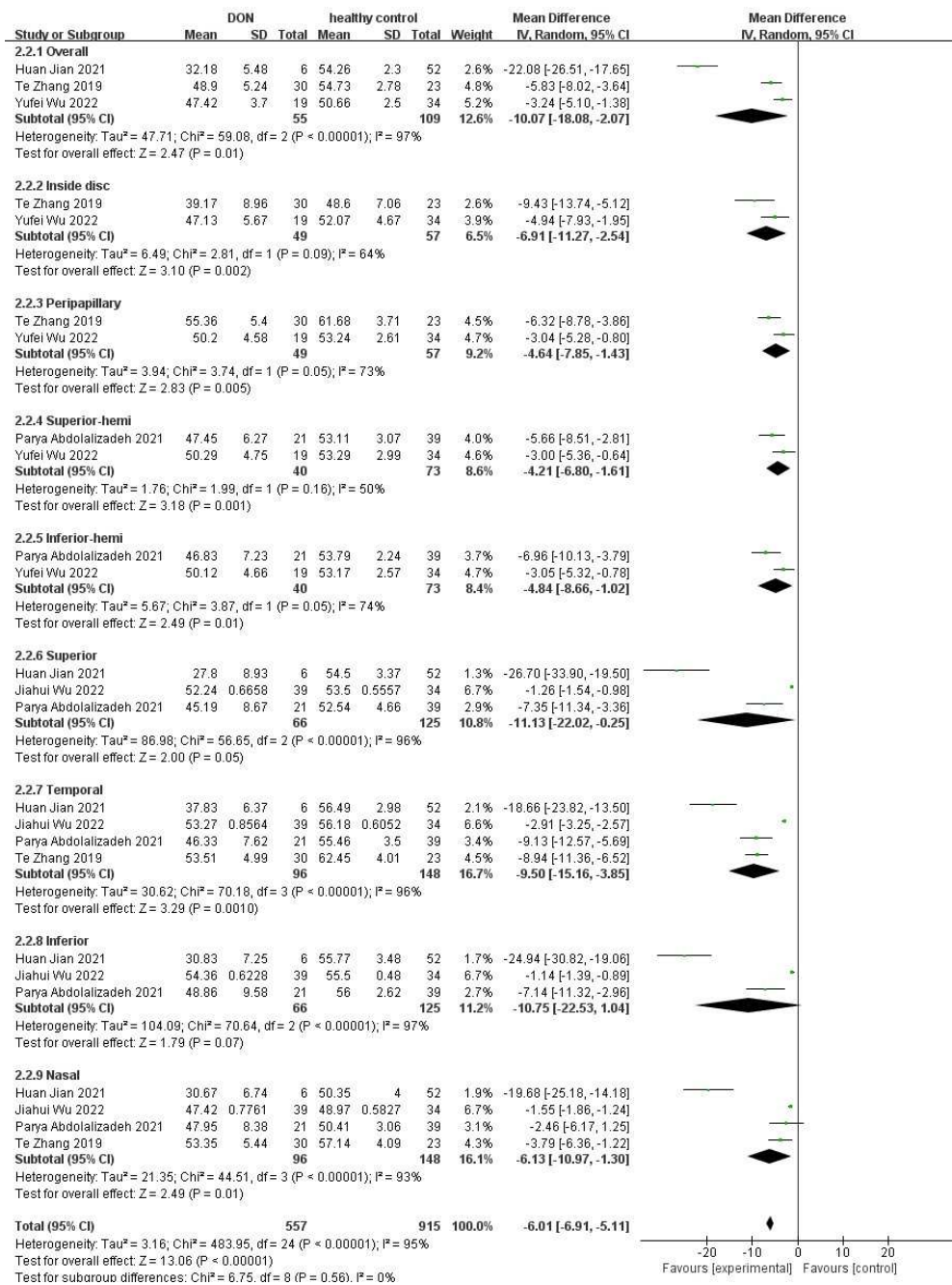
Fig S26.Forest plot of RPC-VD between HC and DON in OCTA
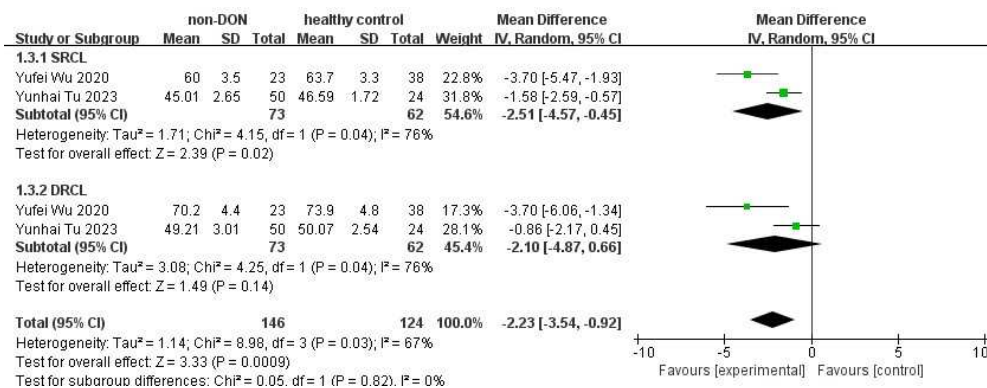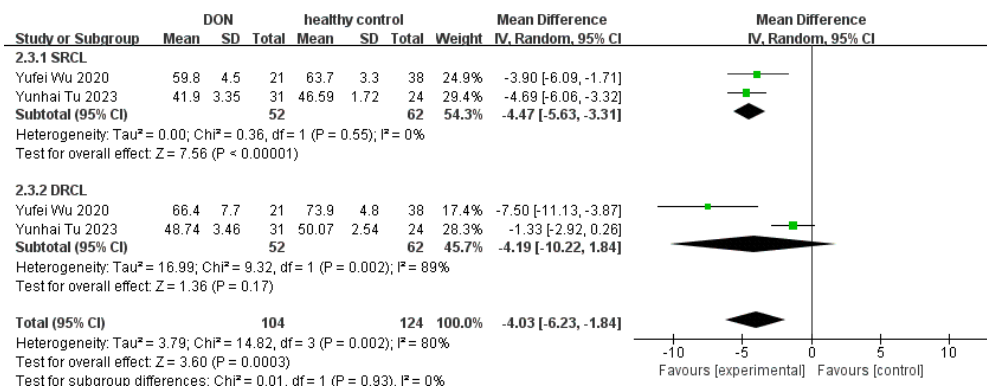
Fig S27.Forest plot of RCL between HC and DON in OCTA
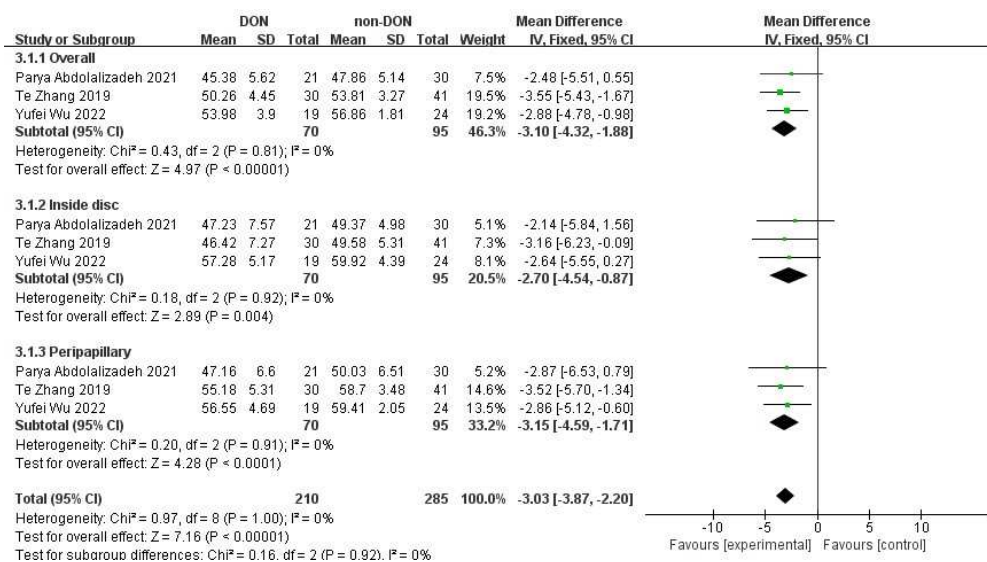
Fig S28.Forest plot of ONH-VD between non-DON and DON in OCTA
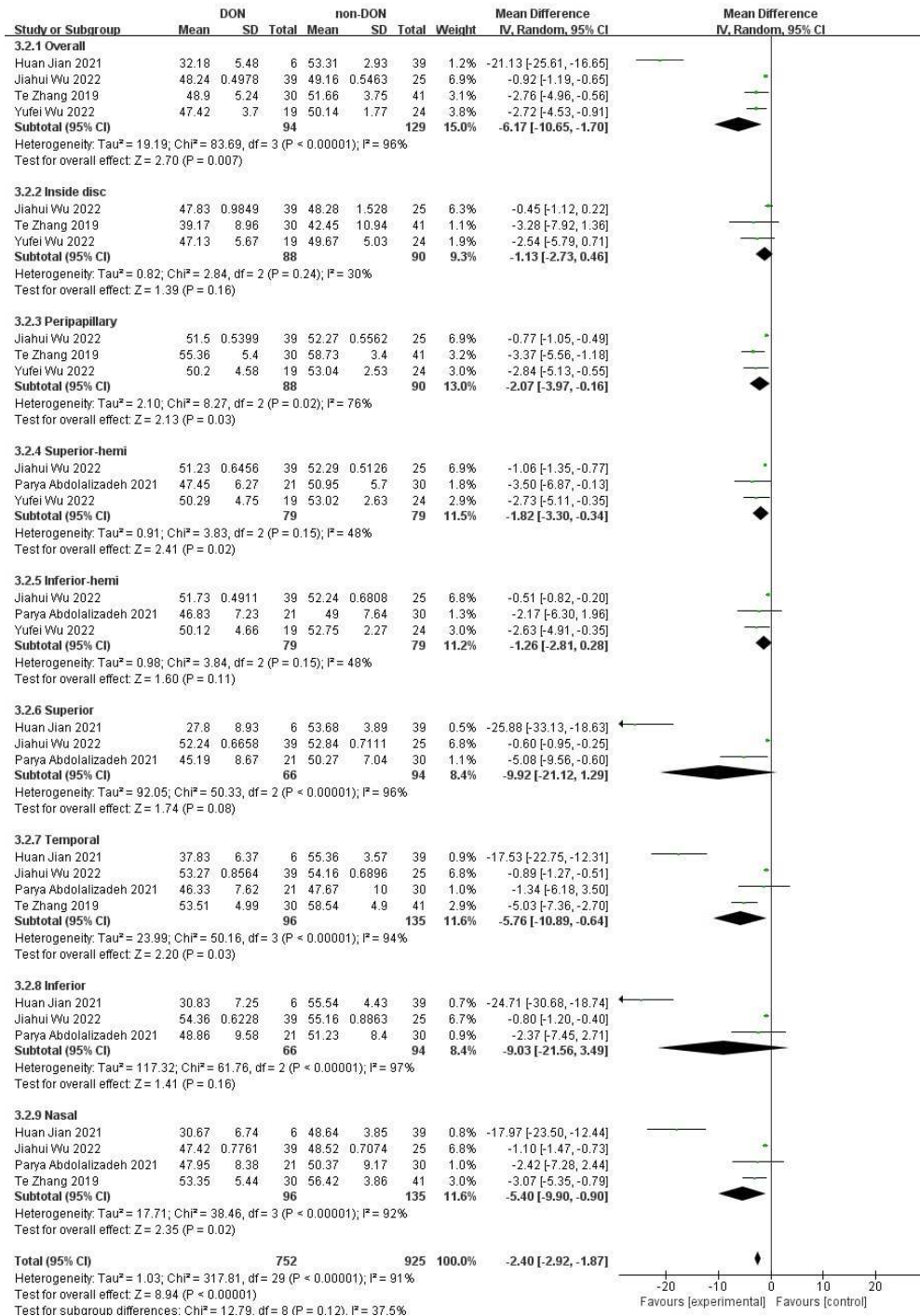
Fig S29.Forest plot of RPC-VD between non-DON and DON in OCTA
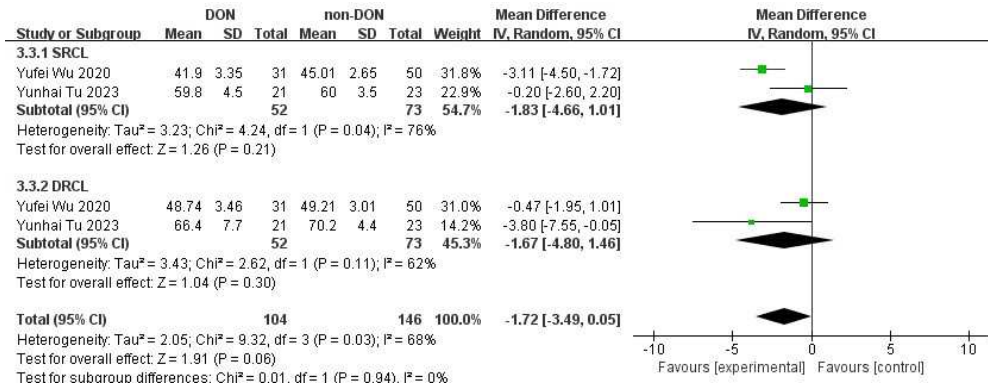
Fig S30.Forest plot of RCL between non-DON and DON in OCTA
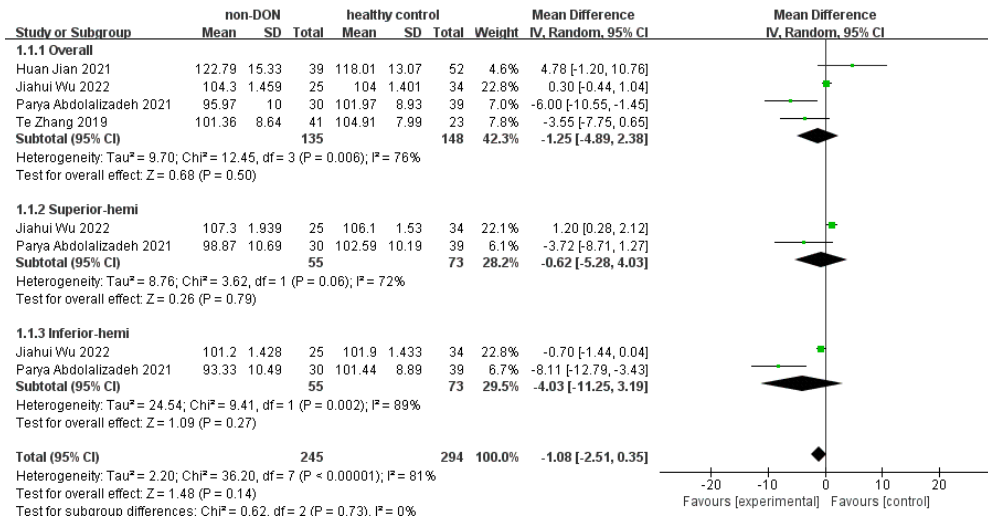
Fig S31.Forest plot of PRNFL between HC and non-DON in OCT of Optovue
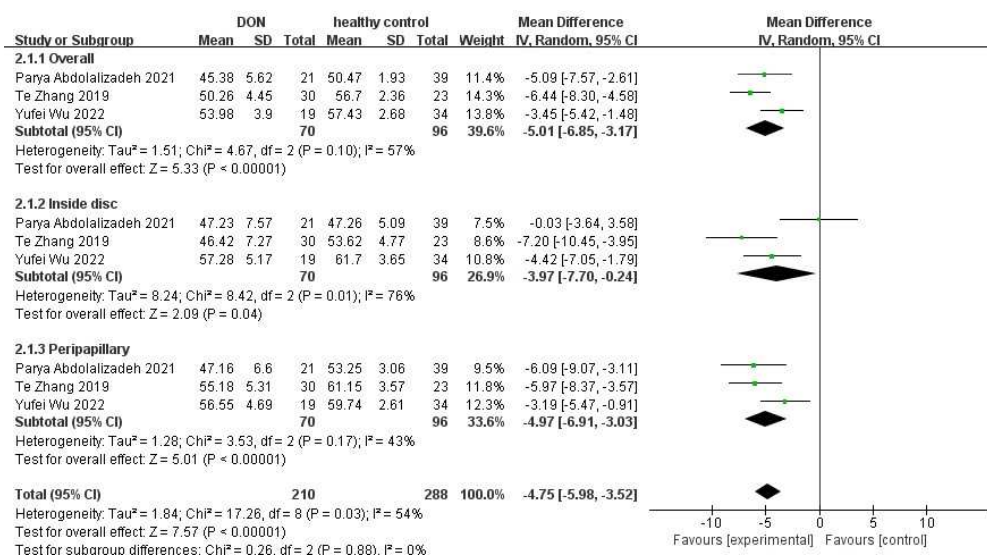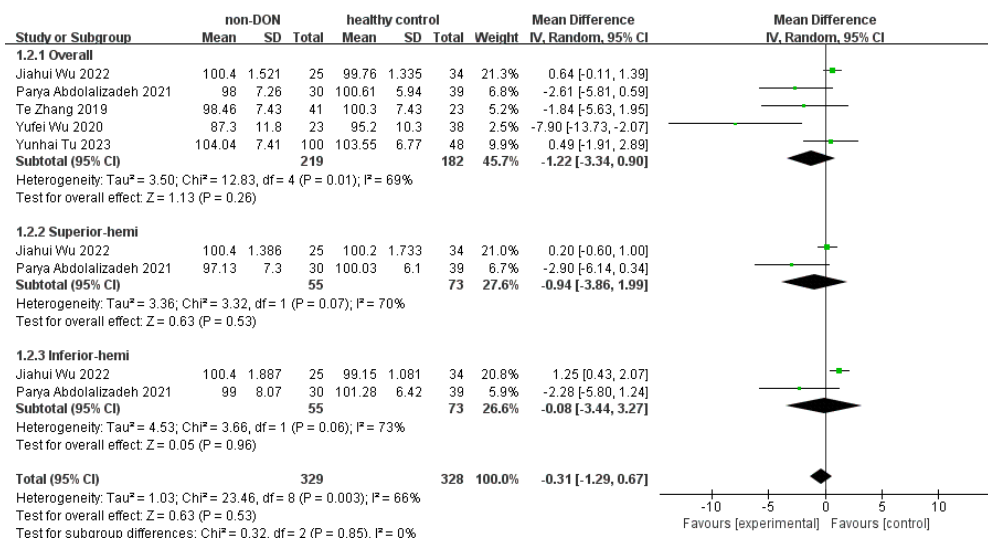

Fig S32.Forest plot of MGGCL between HC and non-DON in OCT of Optovue
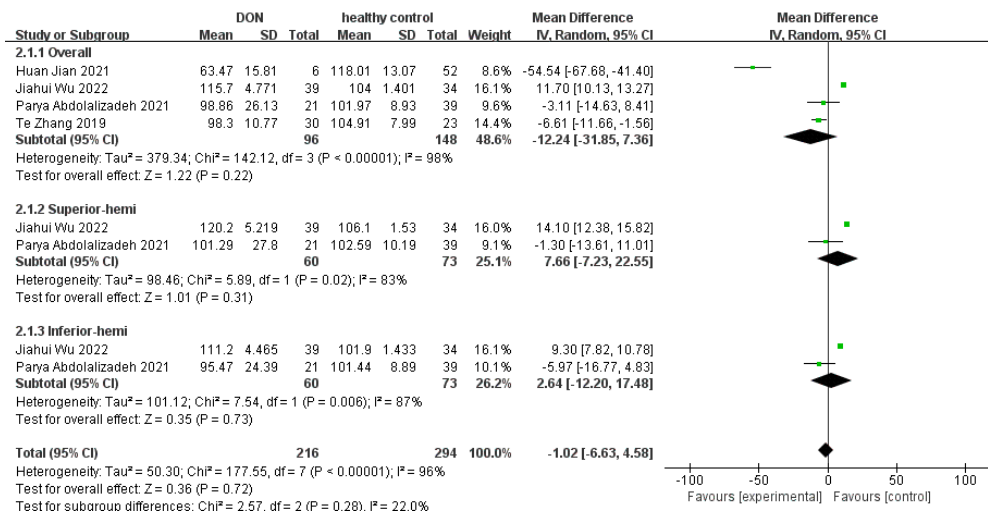
Fig S33.Forest plot of PRNFL between HC and DON in OCT of Optovue

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

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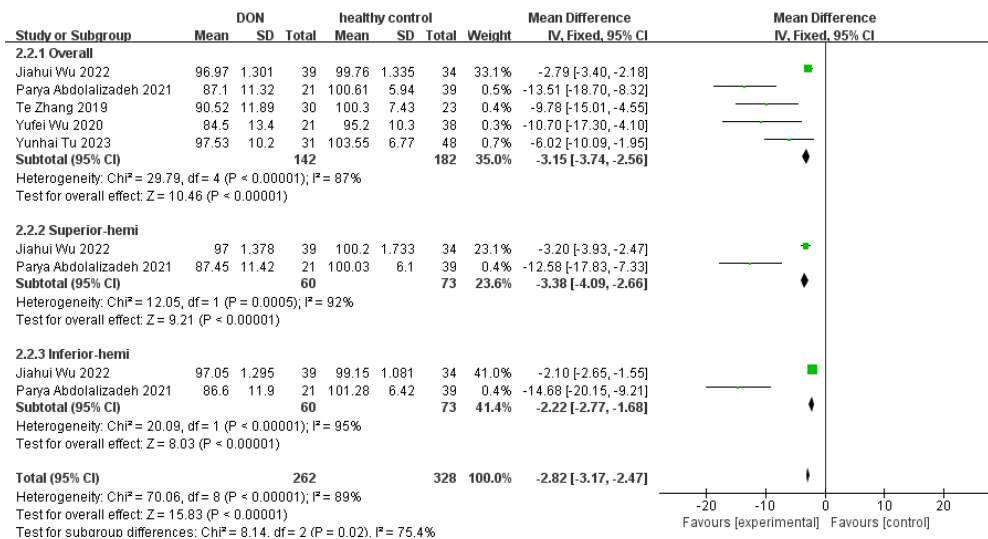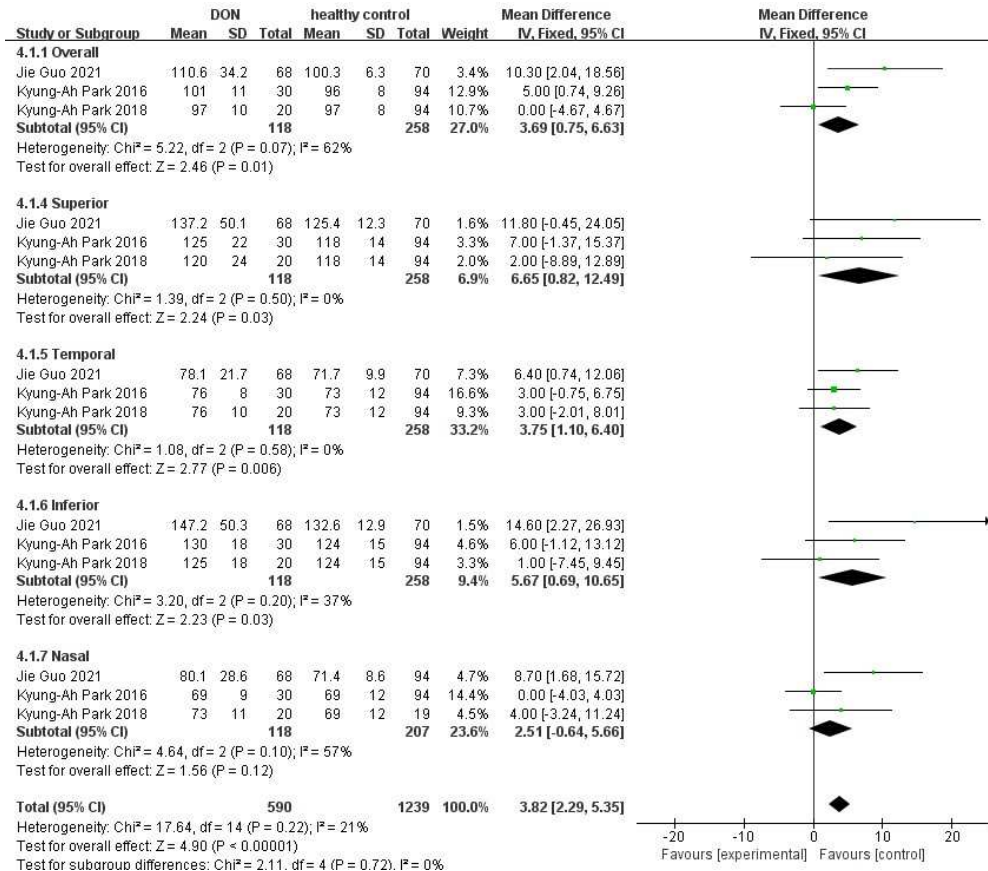
Fig S35.Forest plot of PRNFL between HC and DON in OCT of Carl Zeiss

Fig S36.Forest plot of PRNFL between non-DON and DON in OCT of Optovue
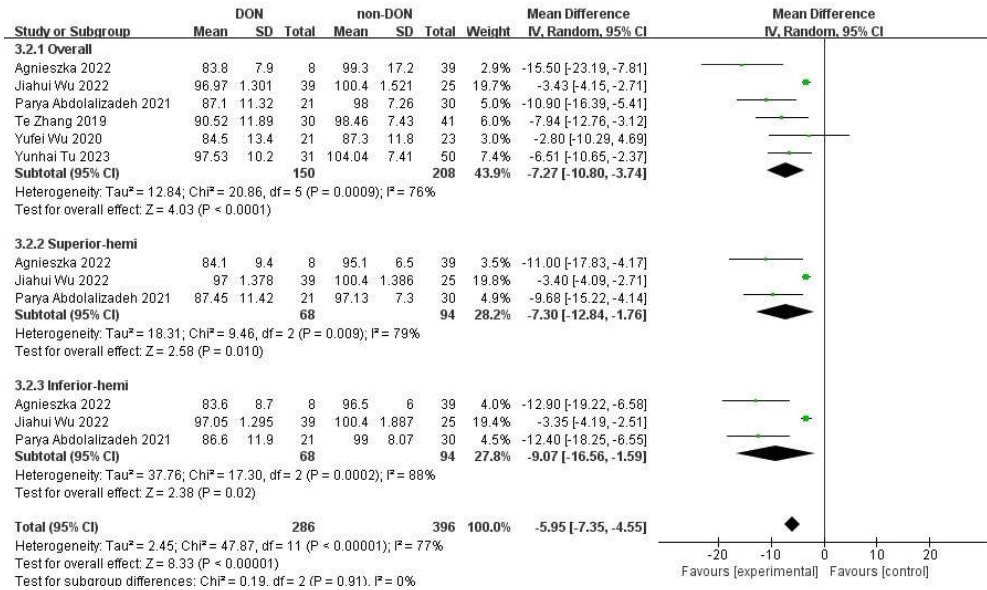
Fig S37. Forest plot of MGGCL between non-DON and DON in OCT of Optovue

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

Fig S40.Forest plot of M-SRCL between HC and non-DON in OCT of Southeast Asian
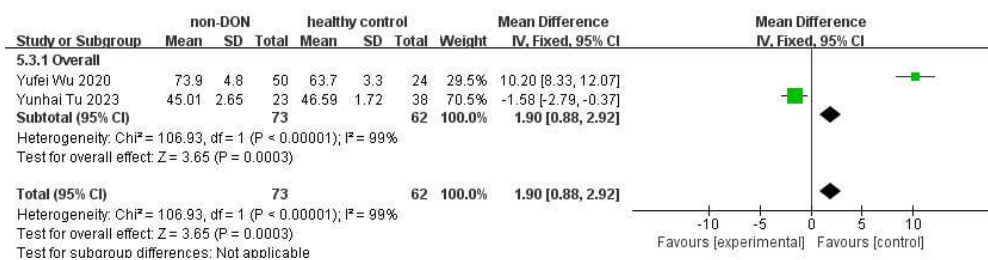
Fig S41.Forest plot of M-DRCL between HC and non-DON in OCT of Southeast Asian
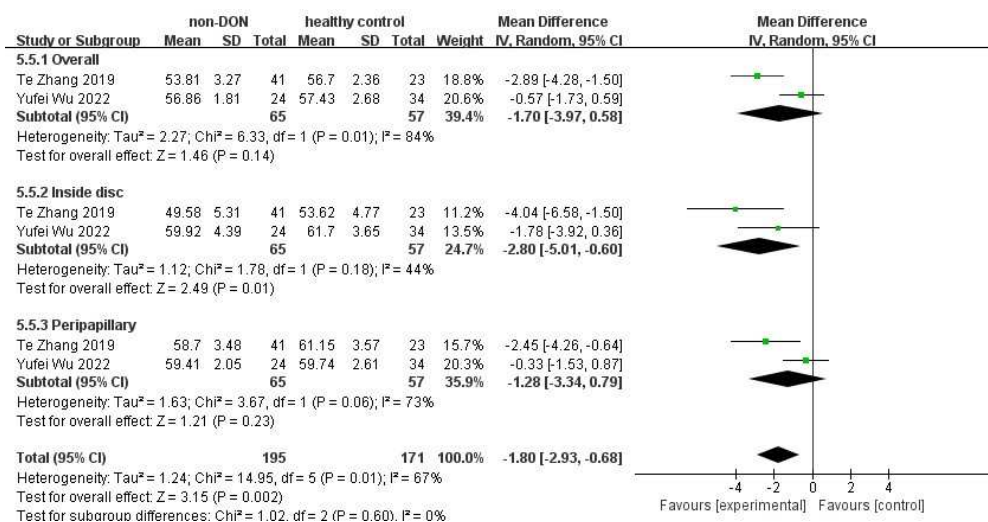
Fig S42.Forest plot of ONH-VD between HC and non-DON in OCTA of Southeast Asian
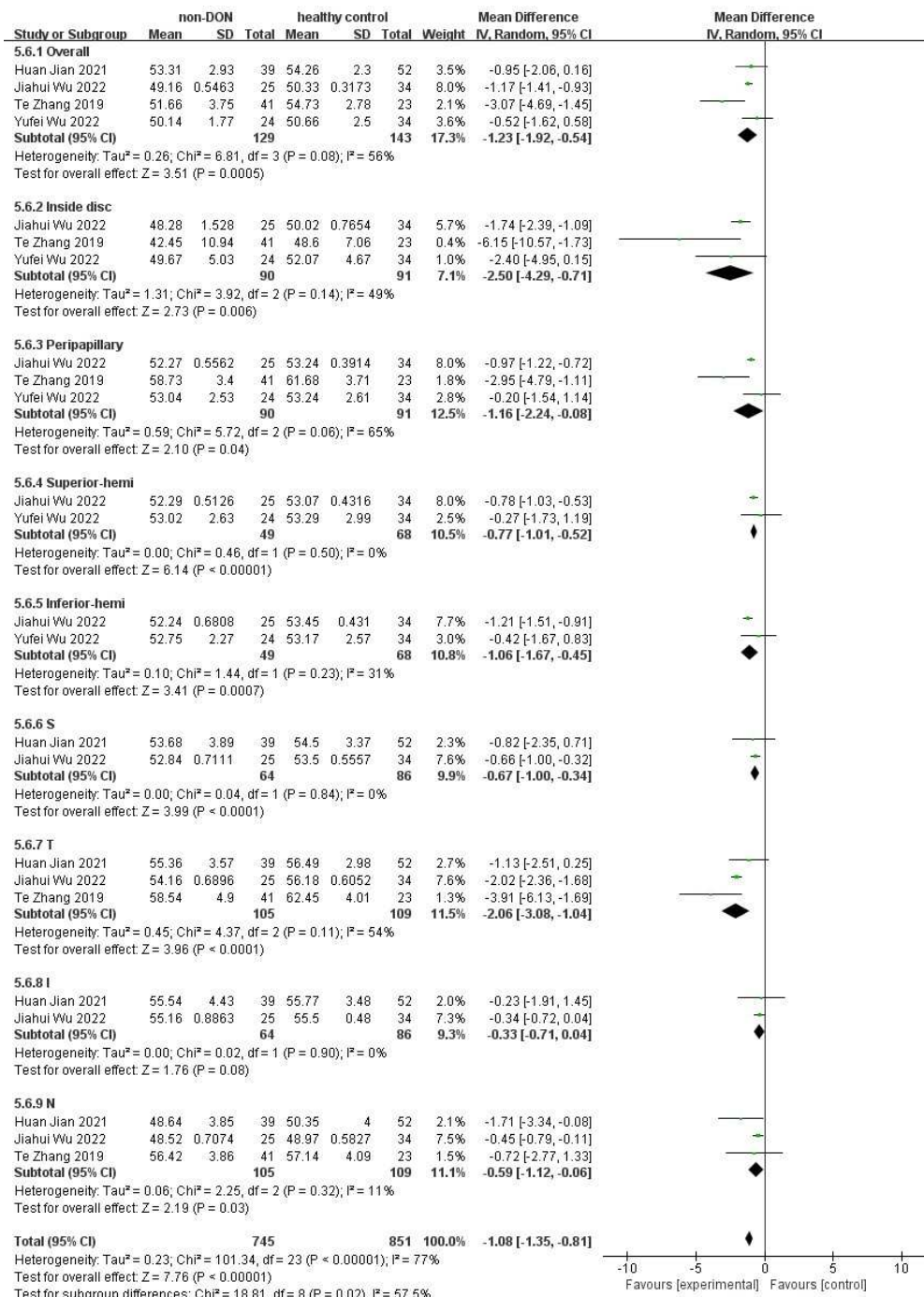
Fig S43.Forest plot of RPC-VD between HC and non-DON in OCTA of Southeast Asian

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

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

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

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Study or Subgroup	DON Mean	SD	Total	healthy control Mean	SD	Total	Weight	Mean Difference 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]
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: Tau² = 76.27; Chi² = 314.11, df = 3 (P < 0.00001); I² = 99%
Test for overall effect: Z = 1.88 (P = 0.06)

6.6.2 Inside disc								
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]
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 = 9.46; Chi² = 13.77, df = 2 (P = 0.001); I² = 85%
Test for overall effect: Z = 2.57 (P = 0.01)

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	30	61.68	3.71	23	3.3%	-6.32 [-8.78, -3.86]
Yufei Wu 2022	50.2	4.58	19	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 = 4.50; Chi² = 14.47, df = 2 (P = 0.0007); I² = 86%
Test for overall effect: Z = 2.61 (P = 0.009)

6.6.4 Superior-hemi								
Jiahui Wu 2022	51.23	0.6456	39	53.07	0.4316	34	7.0%	-1.84 [-2.09, -1.59]
Yufei Wu 2022	50.29	4.75	19	53.29	2.99	34	3.4%	-3.00 [-5.36, -0.64]
Subtotal (95% CI)			58			68	10.4%	-1.85 [-2.10, -1.60]

Heterogeneity: Tau² = 0.00; Chi² = 0.92, df = 1 (P = 0.34); I² = 0%
Test for overall effect: Z = 14.65 (P < 0.00001)

6.6.5 Inferior-hemi								
Jiahui Wu 2022	51.73	0.4911	39	53.45	0.431	34	7.0%	-1.72 [-1.93, -1.51]
Yufei Wu 2022	50.12	4.66	19	53.17	2.57	34	3.6%	-3.05 [-5.32, -0.78]
Subtotal (95% CI)			58			68	10.5%	-1.89 [-2.75, -1.02]

Heterogeneity: Tau² = 0.21; Chi² = 1.31, df = 1 (P = 0.25); I² = 24%
Test for overall effect: Z = 4.28 (P < 0.0001)

6.6.6 S								
Huan Jian 2021	27.8	8.93	6	54.5	3.37	52	0.6%	-26.70 [-33.90, -19.50]
Jiahui Wu 2022	52.24	0.6658	39	53.5	0.5557	34	6.9%	-1.26 [-1.54, -0.98]
Subtotal (95% CI)			45			86	7.6%	-13.71 [-38.64, 11.21]

Heterogeneity: Tau² = 316.83; Chi² = 47.84, df = 1 (P < 0.00001); I² = 98%
Test for overall effect: Z = 1.08 (P = 0.28)

6.6.7 T								
Huan Jian 2021	37.83	6.37	6	56.49	2.98	52	1.2%	-18.66 [-23.82, -13.50]
Jiahui Wu 2022	53.27	0.8564	39	56.18	0.6052	34	6.9%	-2.91 [-3.25, -2.57]
Te Zhang 2019	53.35	5.44	30	62.45	4.01	23	3.1%	-9.10 [-11.64, -6.56]
Subtotal (95% CI)			75			109	11.2%	-9.78 [-17.03, -2.54]

Heterogeneity: Tau² = 38.31; Chi² = 57.49, df = 2 (P < 0.00001); I² = 97%
Test for overall effect: Z = 2.65 (P = 0.008)

6.6.8 I								
Huan Jian 2021	30.83	7.25	6	55.77	3.48	52	0.9%	-24.94 [-30.82, -19.06]
Jiahui Wu 2022	54.36	0.6228	39	55.5	0.48	34	7.0%	-1.14 [-1.39, -0.89]
Subtotal (95% CI)			45			86	7.9%	-12.85 [-36.17, 10.47]

Heterogeneity: Tau² = 278.71; Chi² = 62.87, df = 1 (P < 0.00001); I² = 98%
Test for overall effect: Z = 1.08 (P = 0.28)

6.6.9 N								
Huan Jian 2021	30.67	6.74	6	50.35	4	52	1.0%	-19.68 [-25.18, -14.18]
Jiahui Wu 2022	47.42	0.7761	39	48.97	0.5827	34	6.9%	-1.55 [-1.86, -1.24]
Te Zhang 2019	53.51	4.99	30	57.14	4.09	23	3.3%	-3.63 [-6.08, -1.18]
Subtotal (95% CI)			75			109	11.2%	-7.46 [-13.73, -1.19]

Heterogeneity: Tau² = 27.88; Chi² = 44.17, df = 2 (P < 0.00001); I² = 95%
Test for overall effect: Z = 2.33 (P = 0.02)

Total (95% CI)			626			851	100.0%	-4.19 [-4.80, -3.58]

Heterogeneity: Tau² = 1.36; Chi² = 676.34, df = 23 (P < 0.00001); I² = 97%
Test for overall effect: Z = 13.54 (P < 0.00001)
Test for subgroup differences: Chi² = 15.49. df = 8 (P = 0.05). I² = 48.4%

Favours [experimental]   Favours [control]

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

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

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

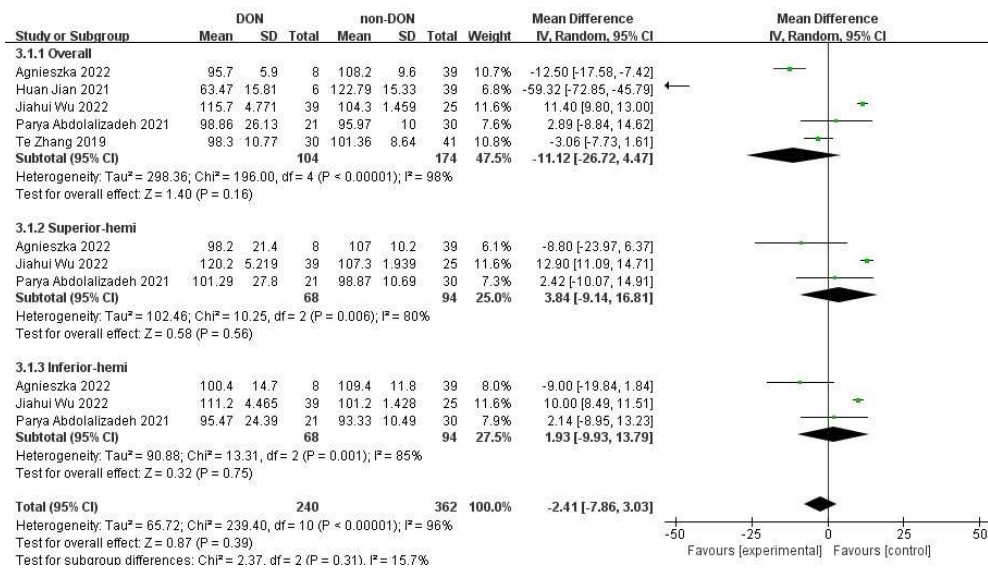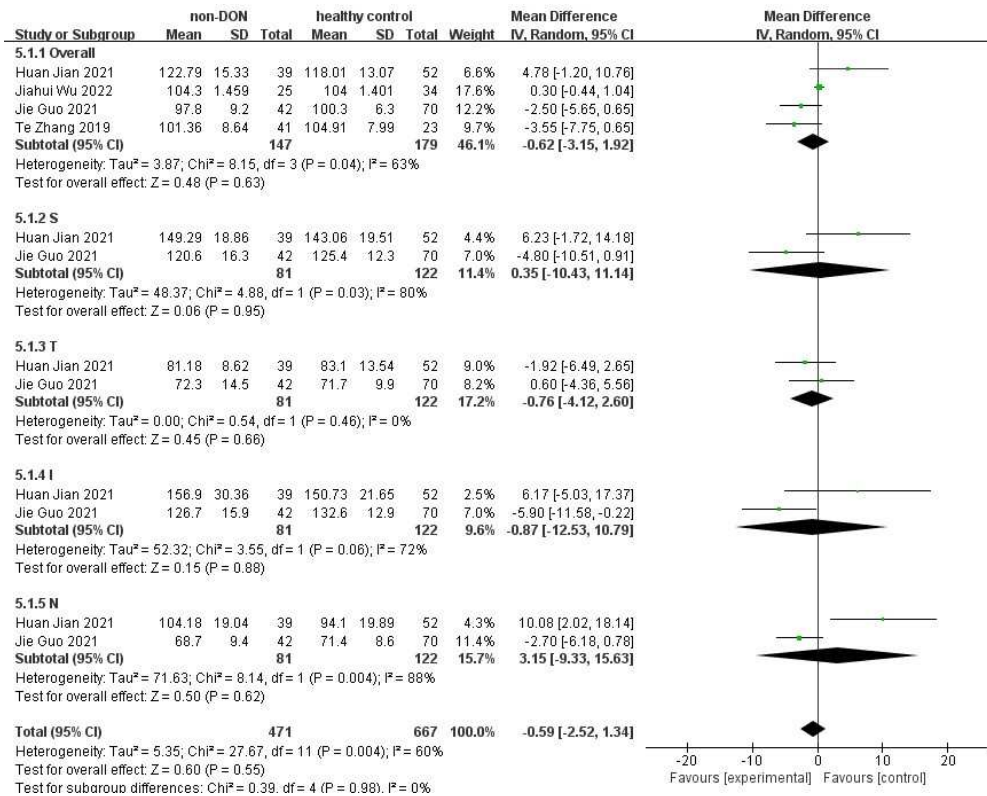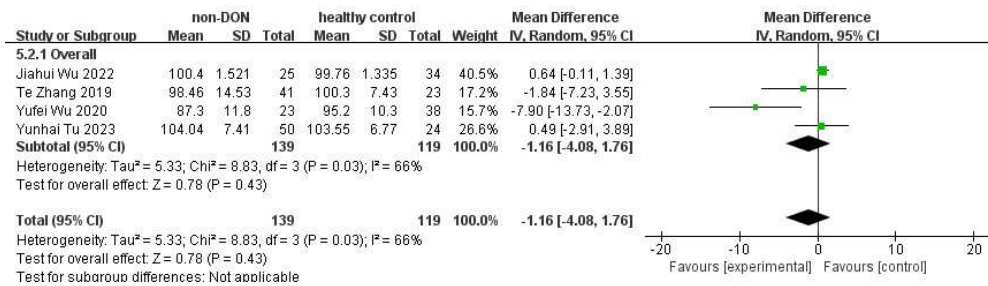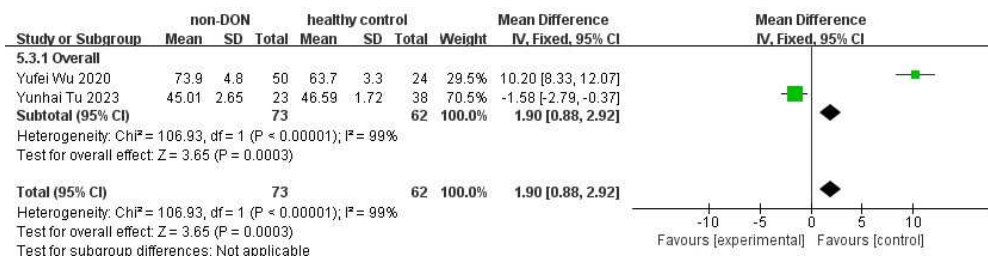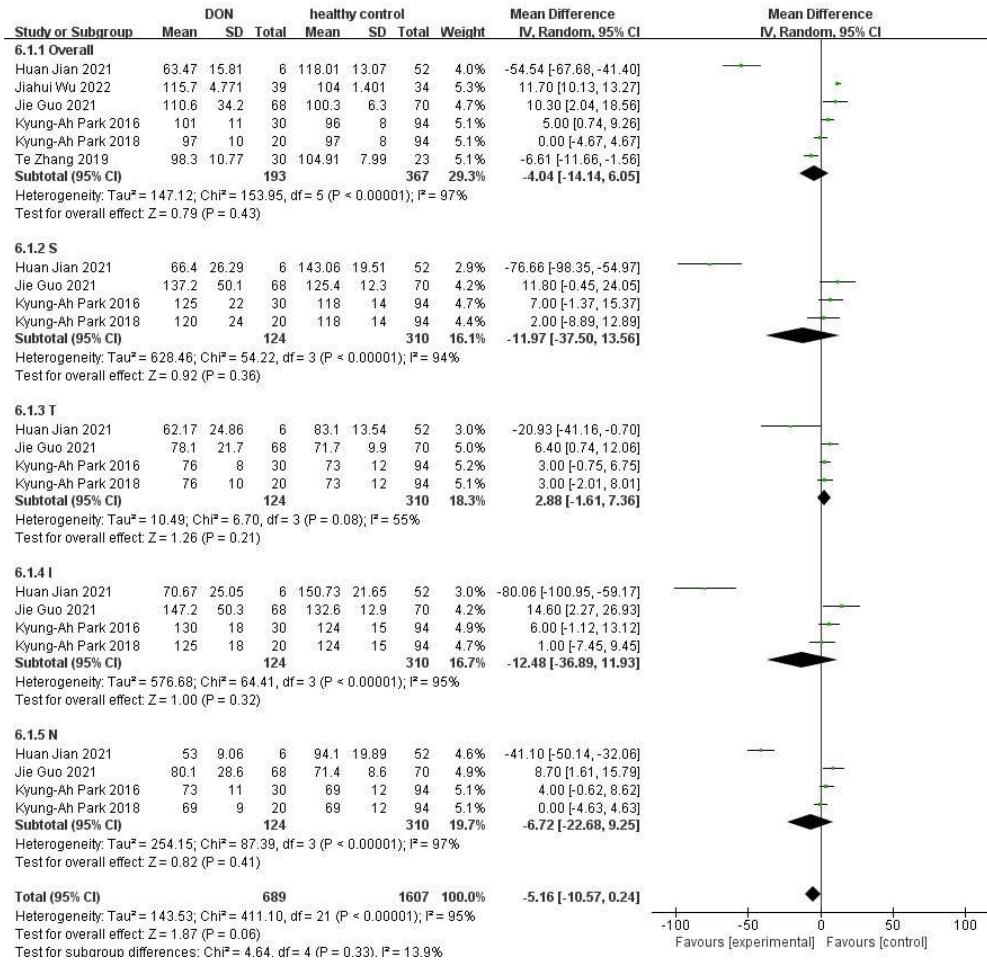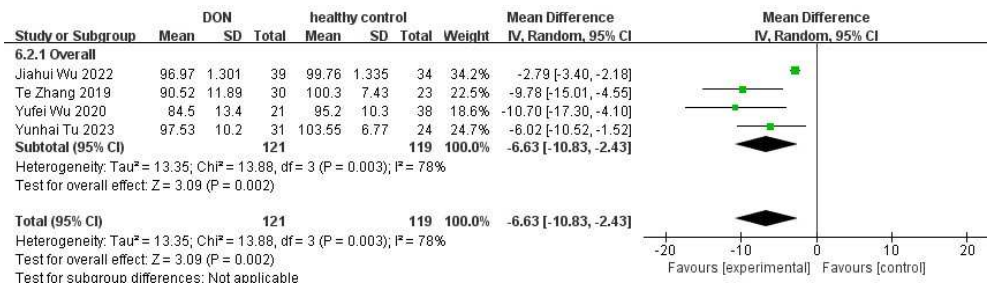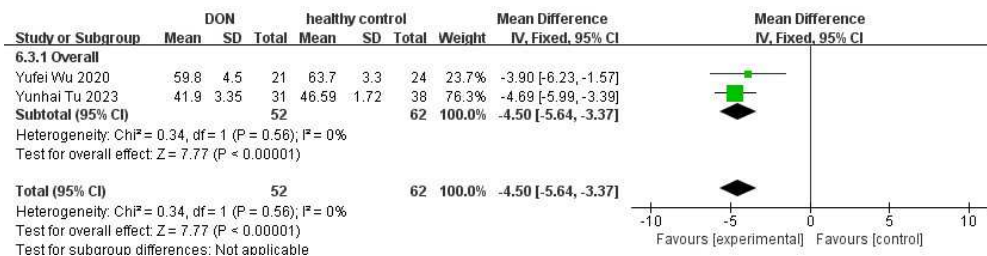Fig S52. Forest plot of M-SRCL between non-DON and DON in OCTA of Southeast Asian
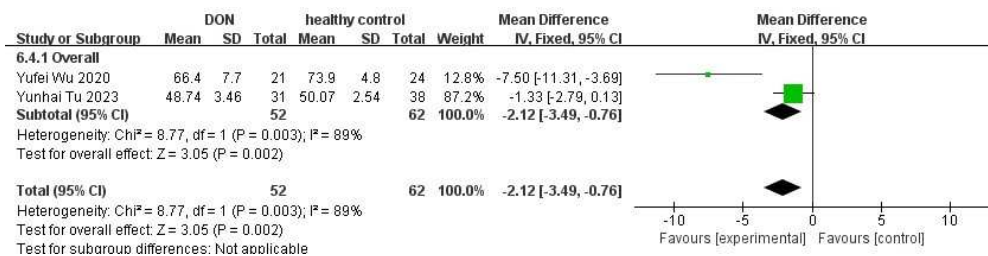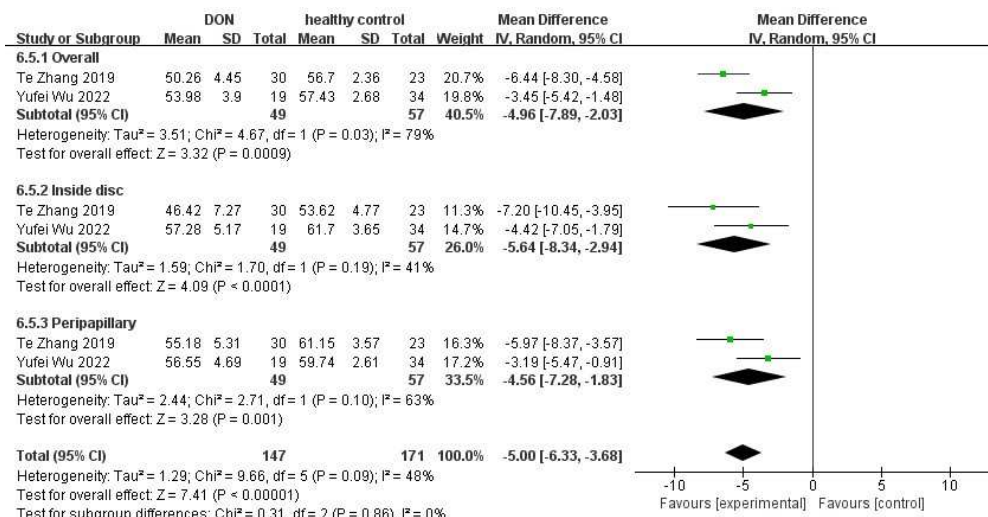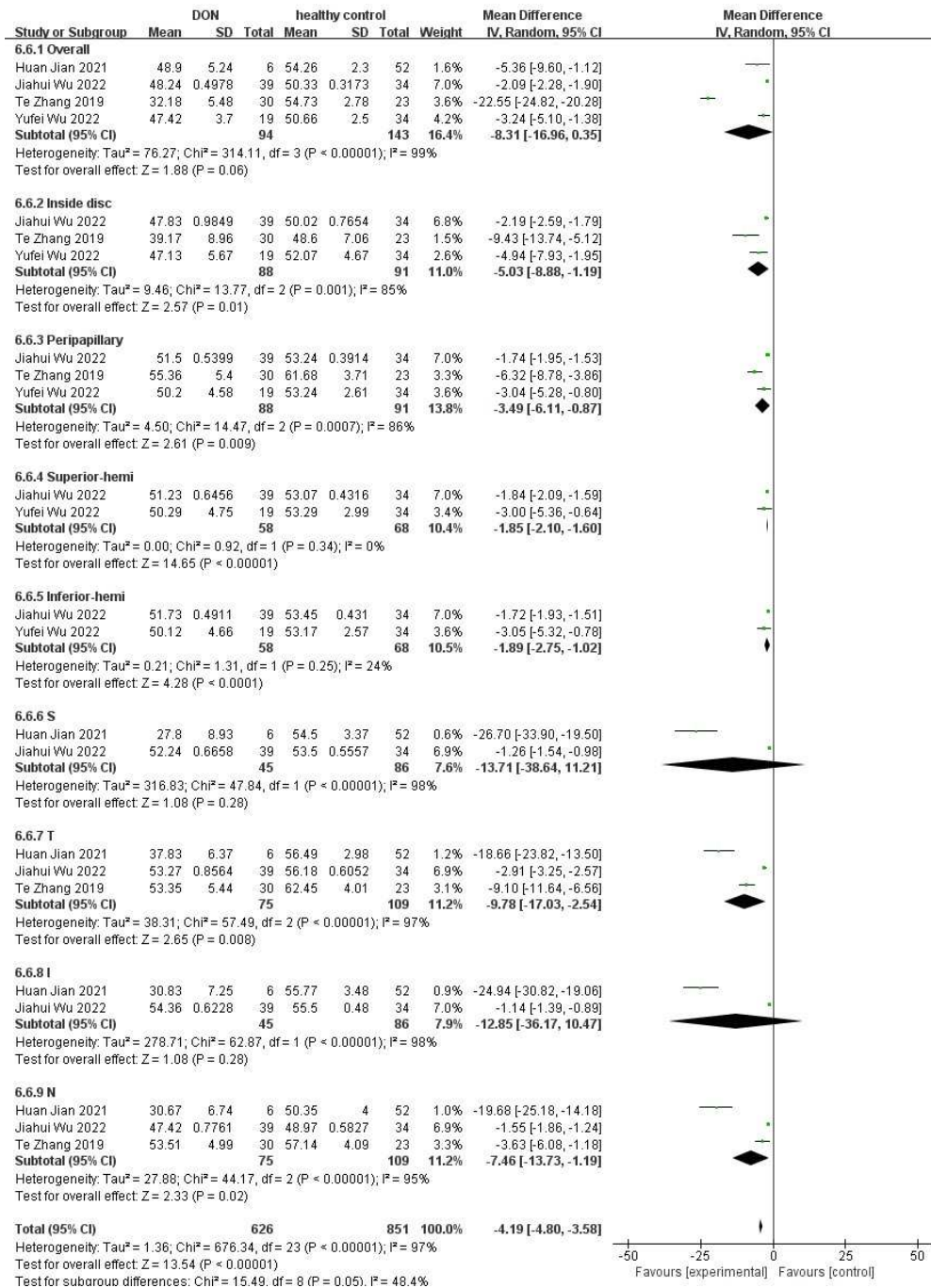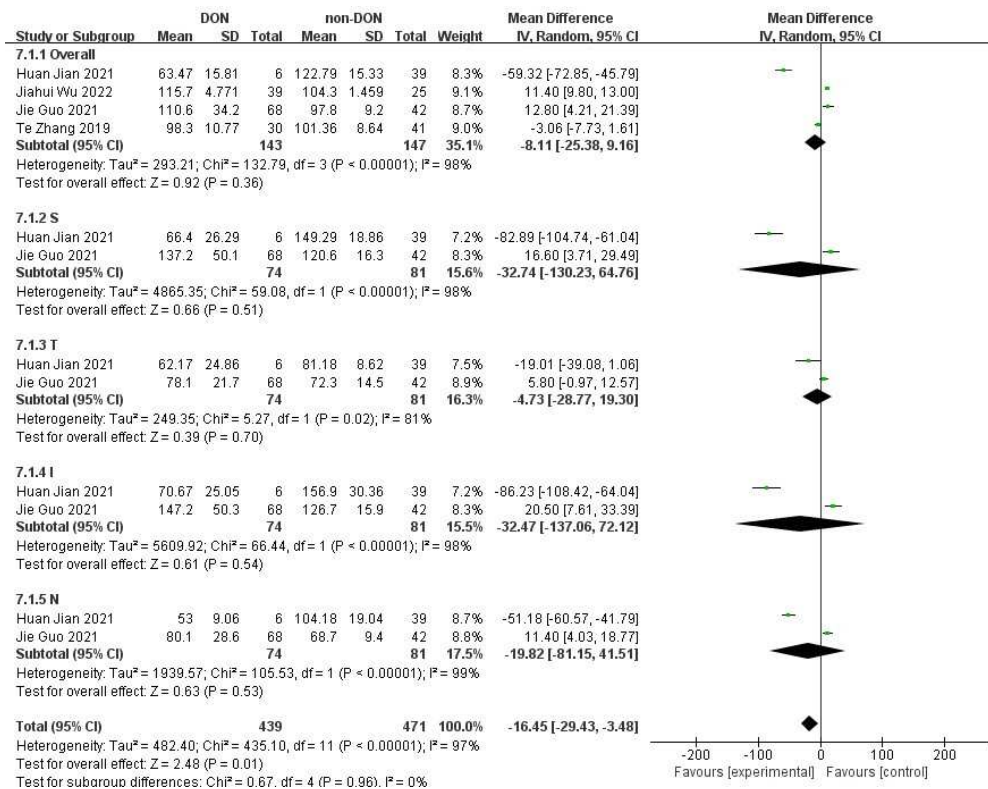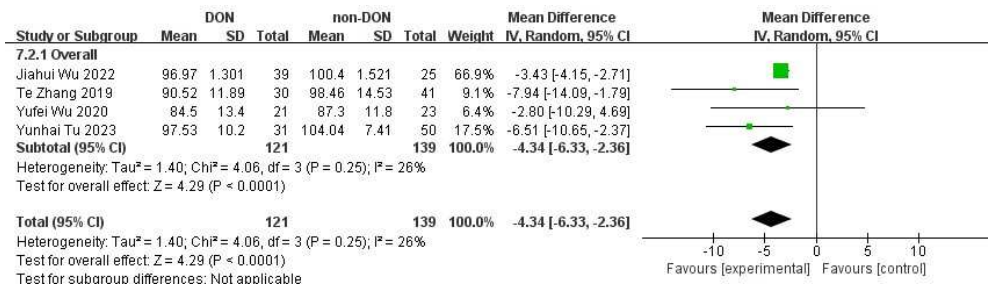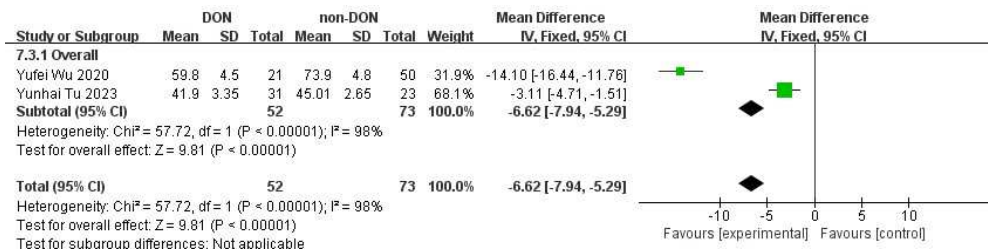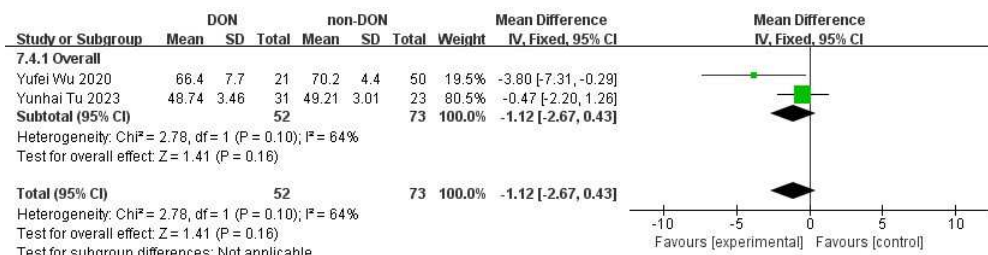
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	DON			non-DON				Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% CI
7.4.1 Overall									
Yufei Wu 2020	66.4	7.7	21	70.2	4.4	50	19.5%	-3.80 [-7.31, -0.29]	
Yunhai Tu 2023	48.74	3.46	31	49.21	3.01	23	80.5%	-0.47 [-2.20, 1.26]	
Subtotal (95% CI)			52			73	100.0%	-1.12 [-2.67, 0.43]	
Heterogeneity: Chi² = 2.78, df = 1 (P = 0.10); I² = 64%									
Test for overall effect: Z = 1.41 (P = 0.16)									
Total (95% CI)			52			73	100.0%	-1.12 [-2.67, 0.43]	
Heterogeneity: Chi² = 2.78, df = 1 (P = 0.10); I² = 64%									
Test for overall effect: Z = 1.41 (P = 0.16)									
Test for subgroup differences: Not applicable									

Favours [experimental] Favours [control]

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

	DON			non-DON				Mean Difference	Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI	IV, Fixed, 95% CI
7.5.1 Overall									
Te Zhang 2019	50.26	4.45	30	53.81	3.27	41	23.7%	-3.55 [-5.43, -1.67]	
Yufei Wu 2022	53.98	3.9	19	56.86	1.81	24	23.3%	-2.88 [-4.78, -0.98]	
Subtotal (95% CI)			49			65	47.1%	-3.22 [-4.55, -1.88]	
Heterogeneity: Chi² = 0.24, df = 1 (P = 0.62); I² = 0%									
Test for overall effect: Z = 4.72 (P < 0.00001)									
7.5.2 Inside disc									
Te Zhang 2019	46.42	7.27	30	49.58	5.31	41	8.9%	-3.16 [-6.23, -0.09]	
Yufei Wu 2022	57.28	5.17	19	59.92	4.39	24	9.9%	-2.64 [-5.55, 0.27]	
Subtotal (95% CI)			49			65	18.8%	-2.89 [-5.00, -0.77]	
Heterogeneity: Chi² = 0.06, df = 1 (P = 0.81); I² = 0%									
Test for overall effect: Z = 2.68 (P = 0.007)									
7.5.3 Peripapillary									
Te Zhang 2019	55.18	5.31	30	58.7	3.48	41	17.7%	-3.52 [-5.70, -1.34]	
Yufei Wu 2022	56.55	4.69	19	59.41	2.05	24	16.4%	-2.86 [-5.12, -0.60]	
Subtotal (95% CI)			49			65	34.1%	-3.20 [-4.77, -1.63]	
Heterogeneity: Chi² = 0.17, df = 1 (P = 0.68); I² = 0%									
Test for overall effect: Z = 4.00 (P < 0.0001)									
Total (95% CI)			147			195	100.0%	-3.15 [-4.07, -2.23]	
Heterogeneity: Chi² = 0.54, df = 5 (P = 0.99); I² = 0%									
Test for overall effect: Z = 6.74 (P < 0.00001)									
Test for subgroup differences: Chi² = 0.07, df = 2 (P = 0.96). I² = 0%									

Favours [experimental] Favours [control]

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

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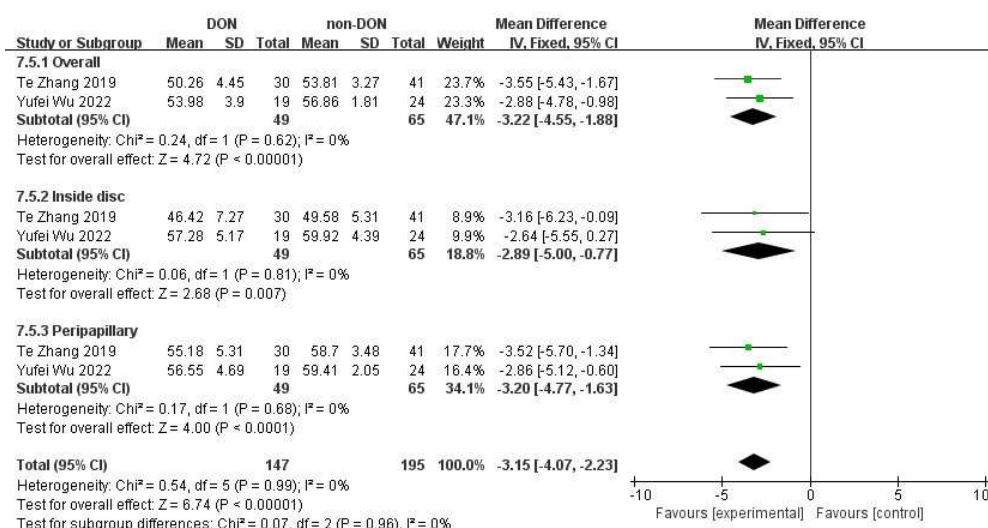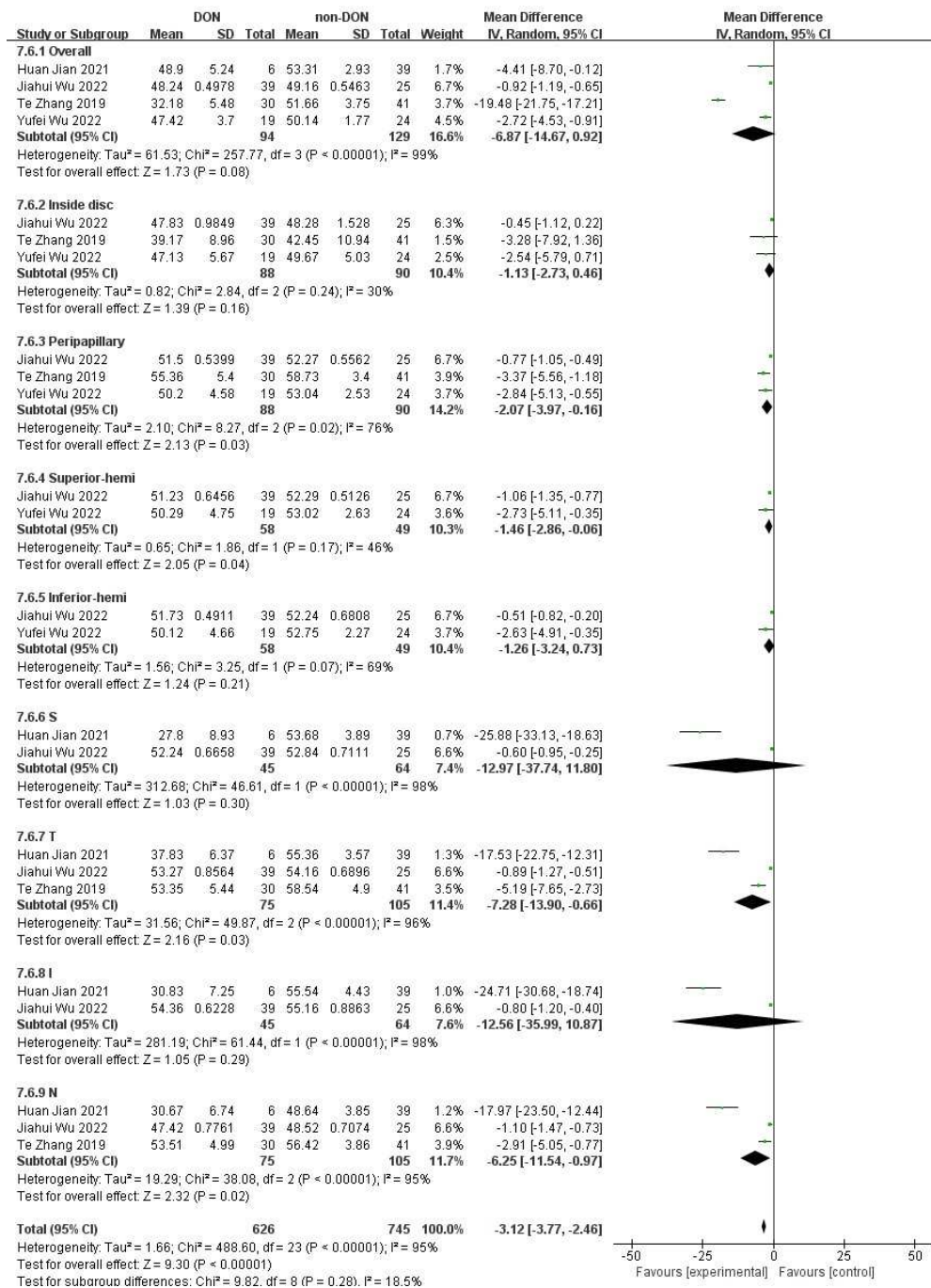
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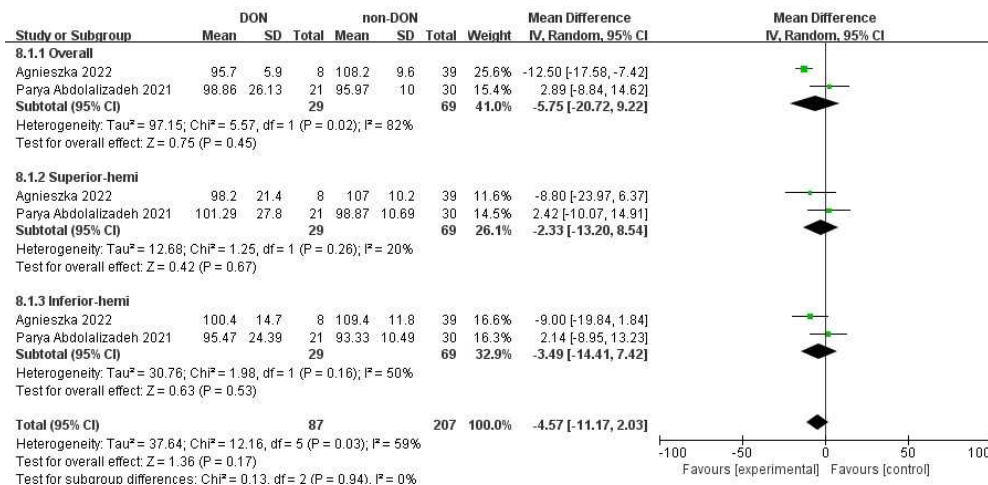Fig S55. Forest plot of RPC-VD between non-DON and DON in OCTA of Southeast Asian

Fig S56. Forest plot of PRNFL between non-DON and DON in OCT of non-Southeast Asian
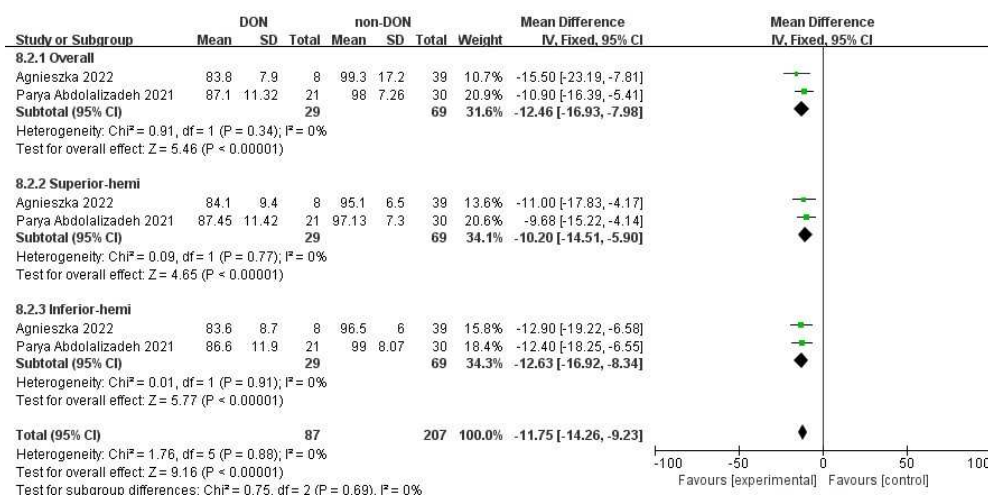

Fig S57. Forest plot of MGGC between non-DON and DON in OCT of non-Southeast Asian
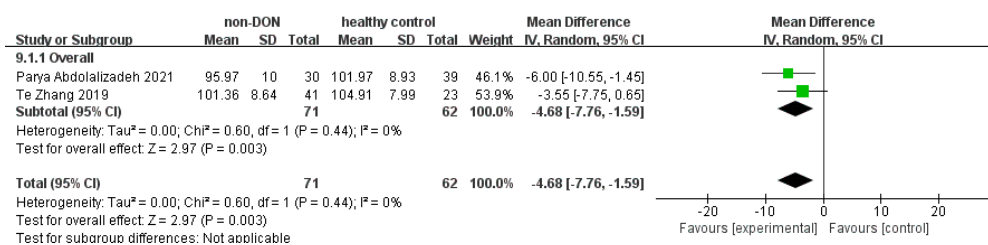

Fig S58. Forest plot of PRNFL between HC and non-DON in OCT of EUGOGO criteria
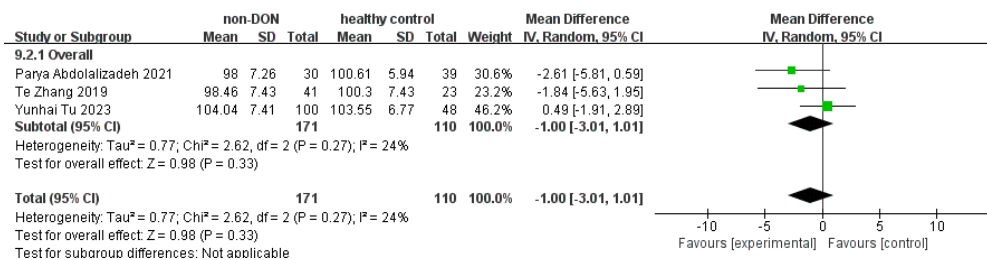
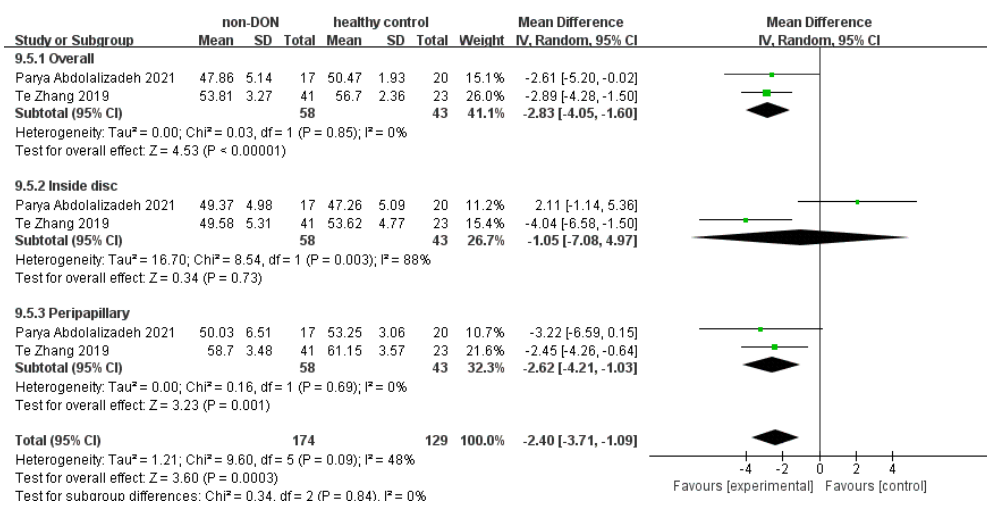Fig S59. Forest plot of MGGC between HC and non-DON in OCT of EUGOGO criteria

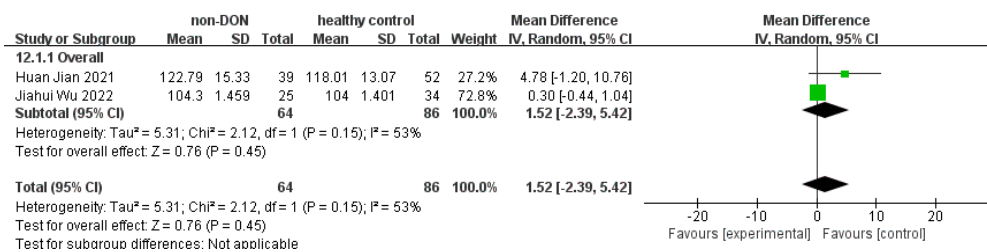Fig S60. Forest plot of ONH-VD between HC and non-DON in OCT of EUGOGO criteria

Fig S61. Forest plot of PRNFL between HC and non-DON in OCT of Bartley criteria
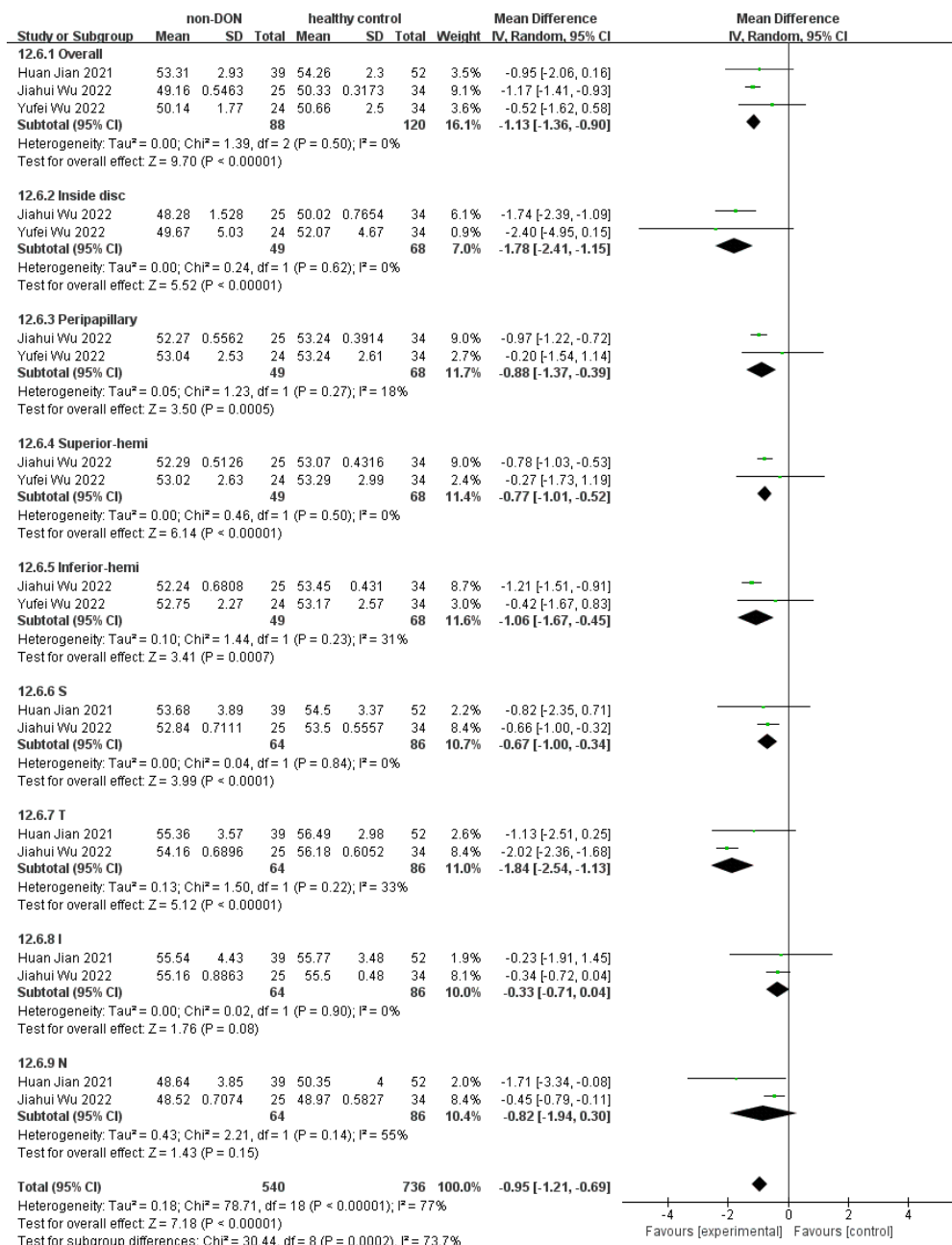
Study or Subgroup	non-DON Mean	SD	Total	healthy control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
12.6.1 Overall								
Huan Jian 2021	53.31	2.93	39	54.26	2.3	52	3.5%	-0.95 [-2.06, 0.16]
Jiahui Wu 2022	49.16	0.5463	25	50.33	0.3173	34	9.1%	-1.17 [-1.41, -0.93]
Yufei Wu 2022	50.14	1.77	24	50.66	2.5	34	3.6%	-0.52 [-1.62, 0.58]
Subtotal (95% CI)			88			120	16.1%	-1.13 [-1.36, -0.90]
Heterogeneity: Tau² = 0.00; Chi² = 1.39, df = 2 (P = 0.50); I² = 0%								
Test for overall effect: Z = 9.70 (P < 0.00001)								
12.6.2 Inside disc								
Jiahui Wu 2022	48.28	1.528	25	50.02	0.7654	34	6.1%	-1.74 [-2.39, -1.09]
Yufei Wu 2022	49.67	5.03	24	52.07	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: Tau² = 0.00; Chi² = 0.24, df = 1 (P = 0.62); I² = 0%								
Test for overall effect: Z = 5.52 (P < 0.00001)								
12.6.3 Peripapillary								
Jiahui Wu 2022	52.27	0.5562	25	53.24	0.3914	34	9.0%	-0.97 [-1.22, -0.72]
Yufei Wu 2022	53.04	2.53	24	53.24	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: Tau² = 0.05; Chi² = 1.23, df = 1 (P = 0.27); I² = 18%								
Test for overall effect: Z = 3.50 (P = 0.0005)								
12.6.4 Superior-hemi								
Jiahui Wu 2022	52.29	0.5126	25	53.07	0.4316	34	9.0%	-0.78 [-1.03, -0.53]
Yufei Wu 2022	53.02	2.63	24	53.29	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: Tau² = 0.00; Chi² = 0.46, df = 1 (P = 0.50); I² = 0%								
Test for overall effect: Z = 6.14 (P < 0.00001)								
12.6.5 Inferior-hemi								
Jiahui Wu 2022	52.24	0.6808	25	53.45	0.431	34	8.7%	-1.21 [-1.51, -0.91]
Yufei Wu 2022	52.75	2.27	24	53.17	2.57	34	3.0%	-0.42 [-1.67, 0.83]
Subtotal (95% CI)			49			68	11.6%	-1.06 [-1.67, -0.45]
Heterogeneity: Tau² = 0.10; Chi² = 1.44, df = 1 (P = 0.23); I² = 31%								
Test for overall effect: Z = 3.41 (P = 0.0007)								
12.6.6 S								
Huan Jian 2021	53.68	3.89	39	54.5	3.37	52	2.2%	-0.82 [-2.35, 0.71]
Jiahui Wu 2022	52.84	0.7111	25	53.5	0.5557	34	8.4%	-0.66 [-1.00, -0.32]
Subtotal (95% CI)			64			86	10.7%	-0.67 [-1.00, -0.34]
Heterogeneity: Tau² = 0.00; Chi² = 0.04, df = 1 (P = 0.84); I² = 0%								
Test for overall effect: Z = 3.99 (P < 0.0001)								
12.6.7 T								
Huan Jian 2021	55.36	3.57	39	56.49	2.98	52	2.6%	-1.13 [-2.51, 0.25]
Jiahui Wu 2022	54.16	0.6896	25	56.18	0.6052	34	8.4%	-2.02 [-2.36, -1.68]
Subtotal (95% CI)			64			86	11.0%	-1.84 [-2.54, -1.13]
Heterogeneity: Tau² = 0.13; Chi² = 1.50, df = 1 (P = 0.22); I² = 33%								
Test for overall effect: Z = 5.12 (P < 0.00001)								
12.6.8 I								
Huan Jian 2021	55.54	4.43	39	55.77	3.48	52	1.9%	-0.23 [-1.91, 1.45]
Jiahui Wu 2022	55.16	0.8863	25	55.5	0.48	34	8.1%	-0.34 [-0.72, 0.04]
Subtotal (95% CI)			64			86	10.0%	-0.33 [-0.71, 0.04]
Heterogeneity: Tau² = 0.00; Chi² = 0.02, df = 1 (P = 0.90); I² = 0%								
Test for overall effect: Z = 1.76 (P = 0.08)								
12.6.9 N								
Huan Jian 2021	48.64	3.85	39	50.35	4	52	2.0%	-1.71 [-3.34, -0.08]
Jiahui Wu 2022	48.52	0.7074	25	48.97	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: Tau² = 0.43; Chi² = 2.21, df = 1 (P = 0.14); I² = 55%								
Test for overall effect: Z = 1.43 (P = 0.15)								
Total (95% CI)			540			736	100.0%	-0.95 [-1.21, -0.69]
Heterogeneity: Tau² = 0.18; Chi² = 78.71, df = 18 (P < 0.00001); I² = 77%								
Test for overall effect: Z = 7.18 (P < 0.00001)								
Test for subgroup differences: Chi² = 30.44, df = 8 (P = 0.0002), I² = 73.7%								

Favours [experimental]   Favours [control]

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

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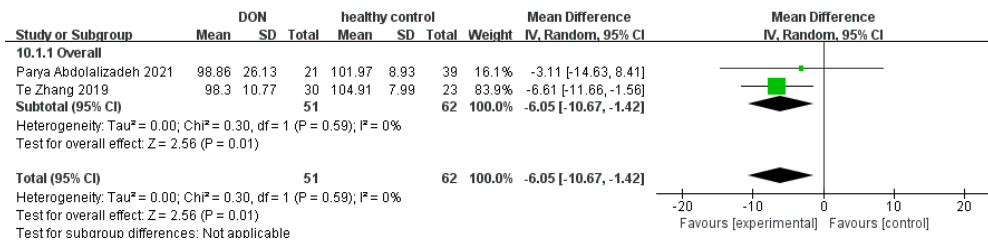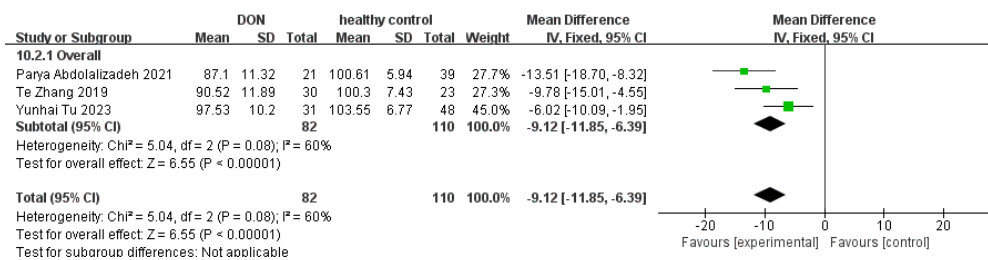
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Fig S63. Forest plot of PRNFL between HC and DON in OCT of EUGOGO criteria

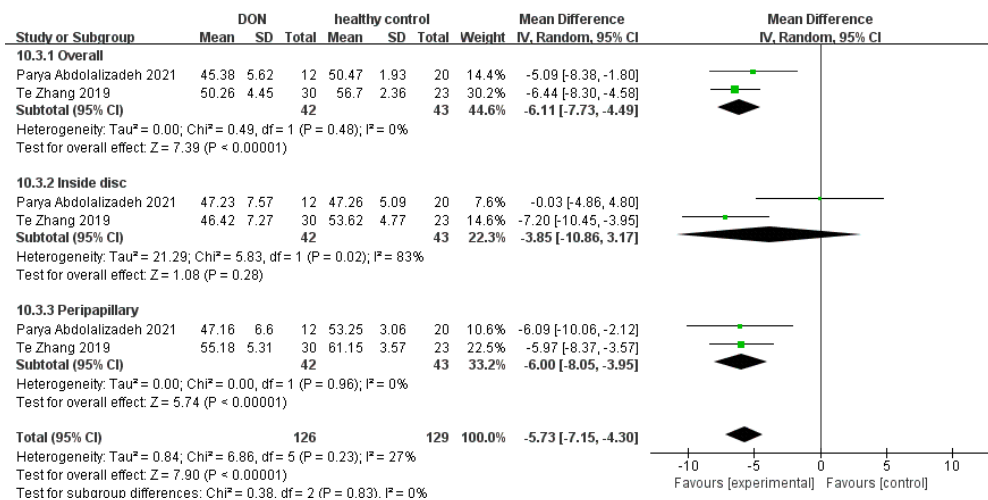Fig S64. Forest plot of MGGC between HC and DON in OCT of EUGOGO criteria

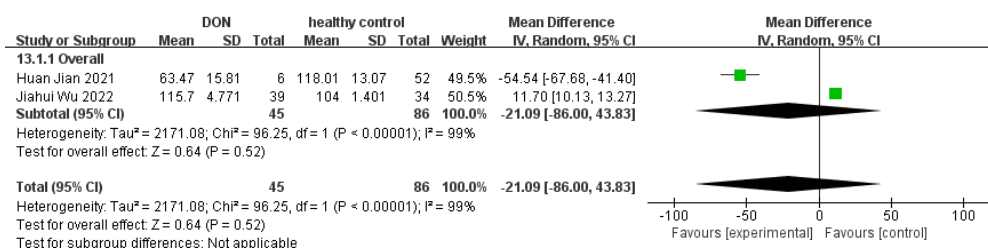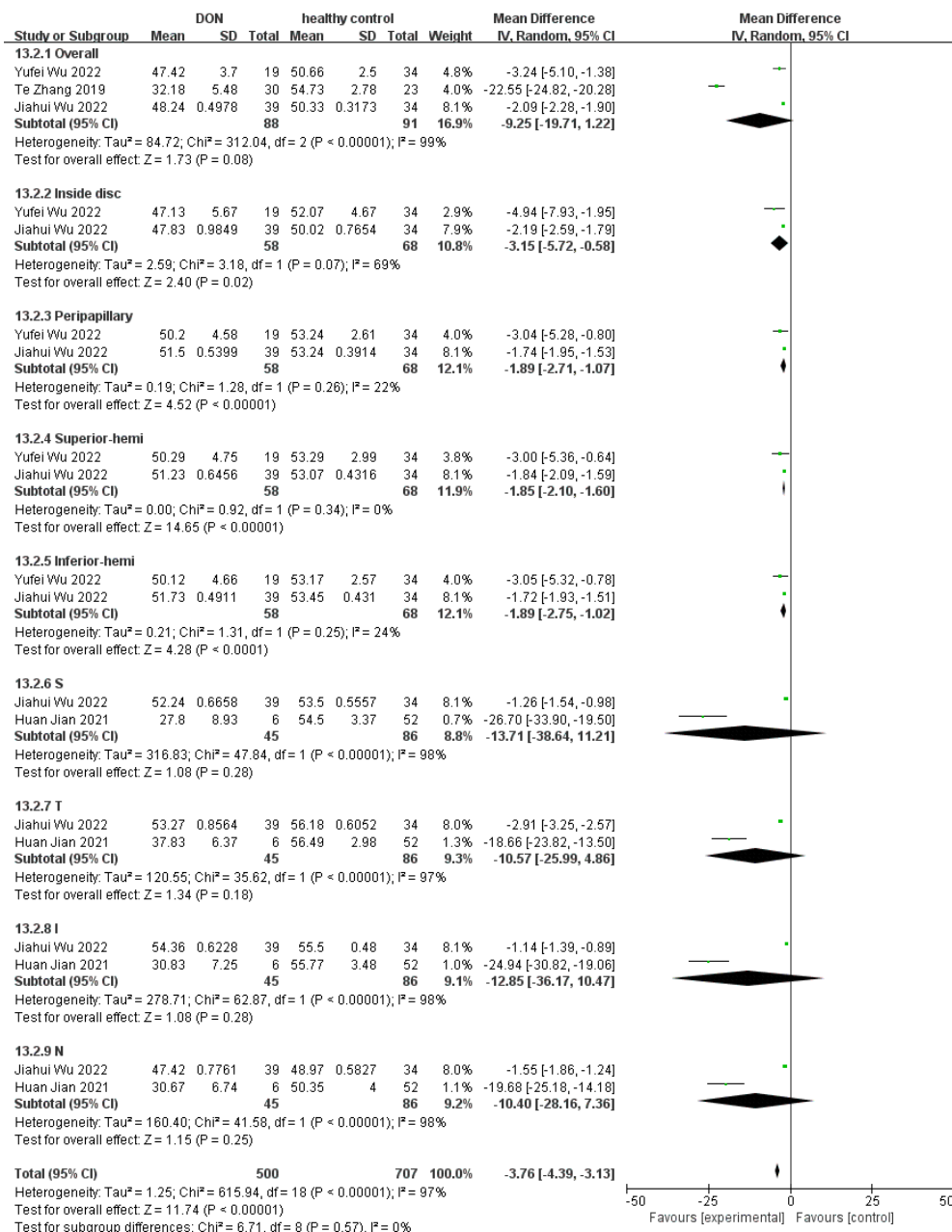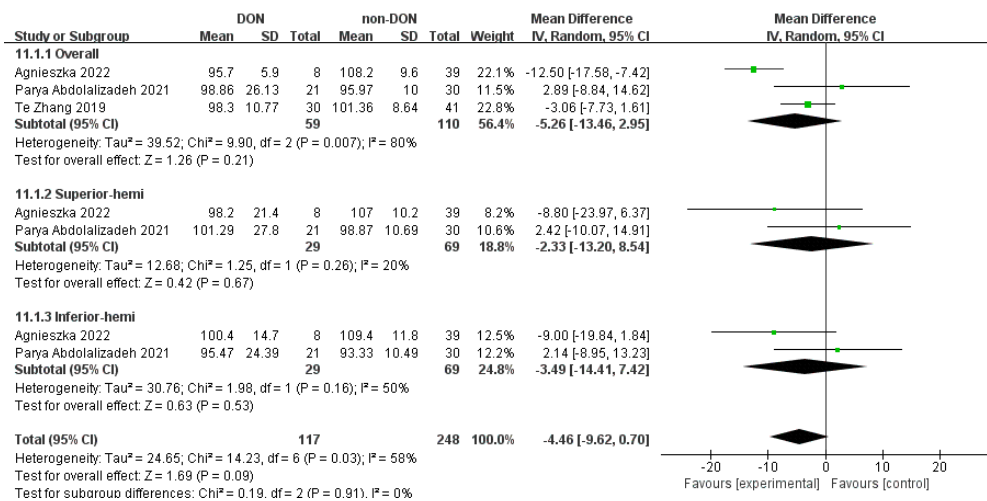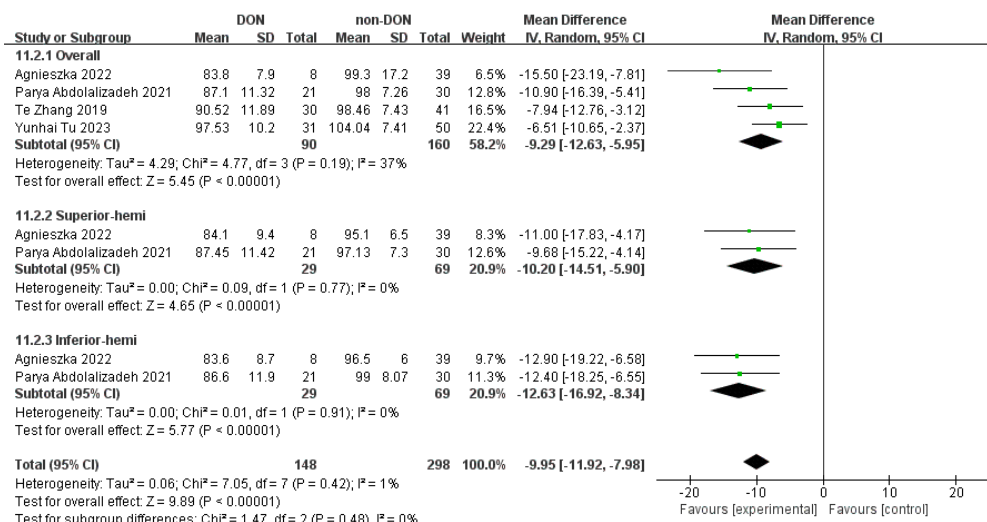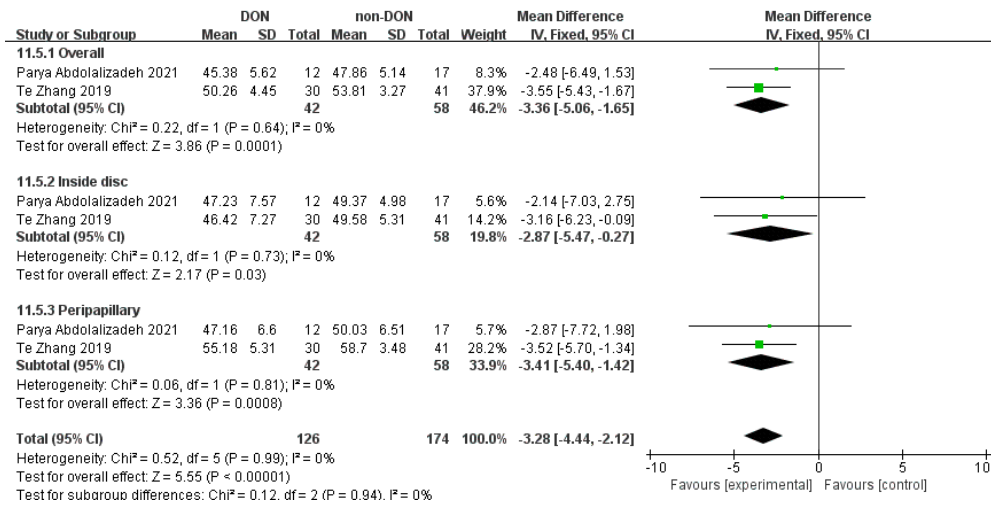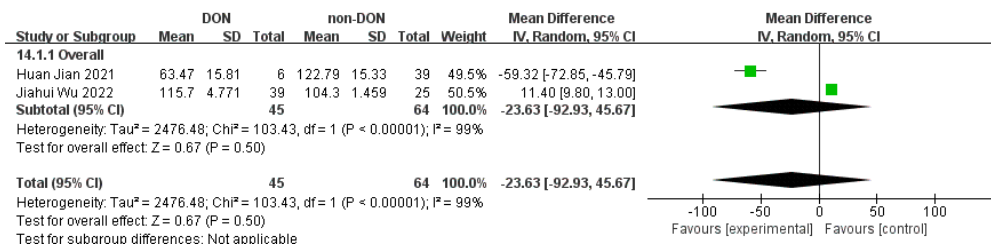Fig S65. Forest plot of ONH-VD between HC and DON in OCT of EUGOGO criteria

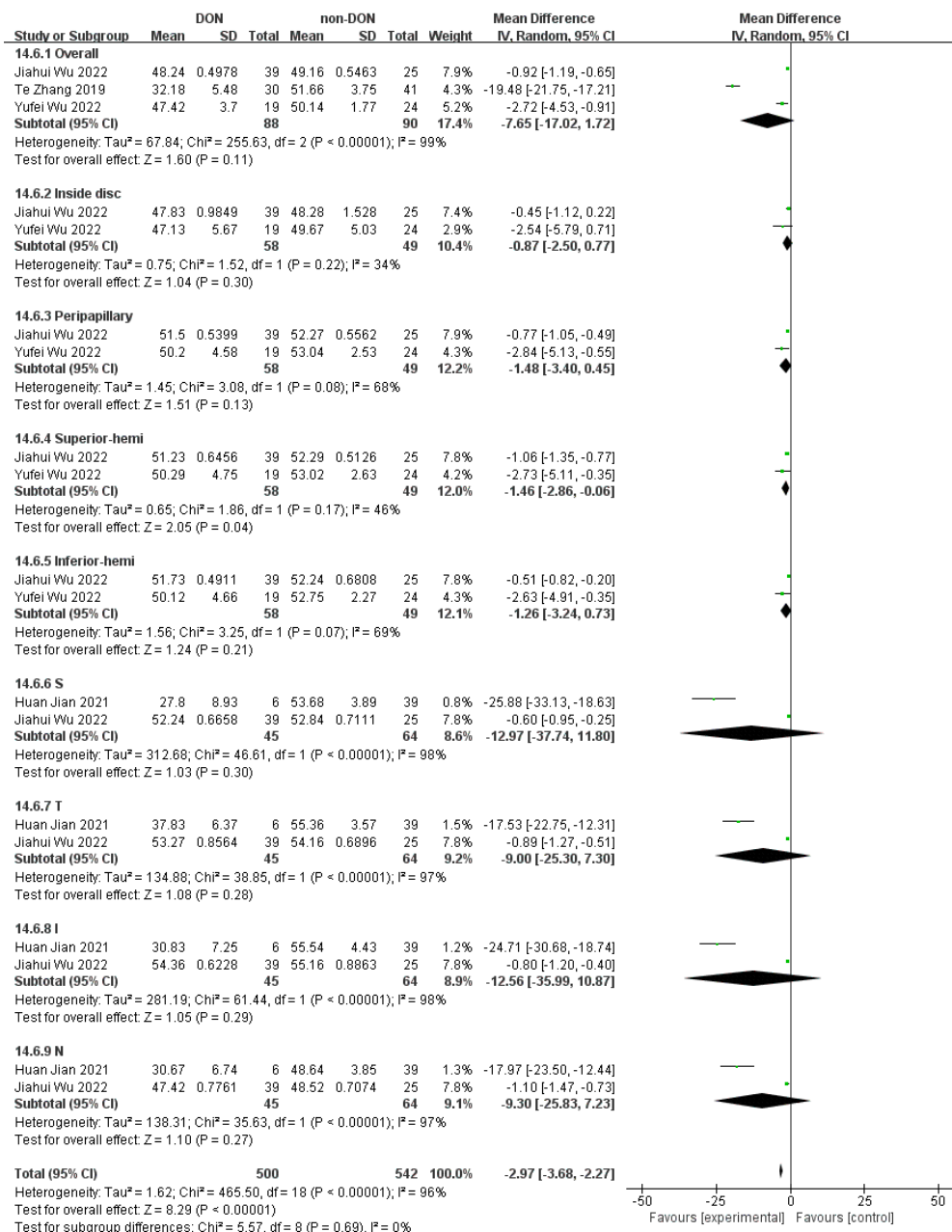Fig S66. Forest plot of PRNFL between HC and DON in OCT of Bartley criteria

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

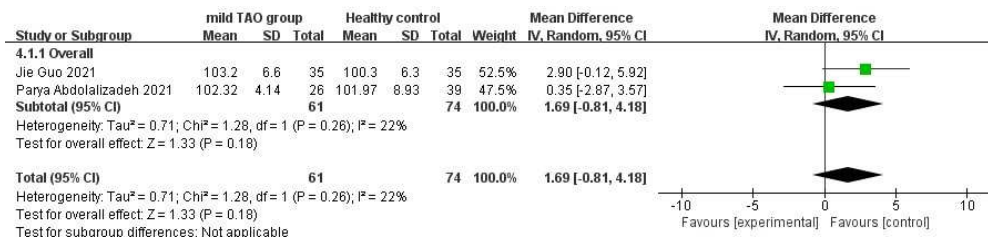Fig S68. Forest plot of PRNFL between non-DON and DON in OCT of EUGOGO criteria


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

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Fig S70. Forest plot of ONH-VD between non-DON and DON in OCT of EUGOGO criteria

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

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

Fig S73. Forest plot of PRNFL between mild TAO group and HC in OCT
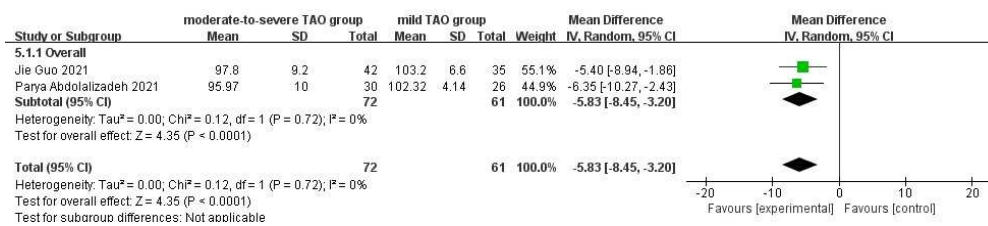
Fig S74. Forest plot of PRNFL between moderate-to-severe TAO group and mild TAO group in OCT
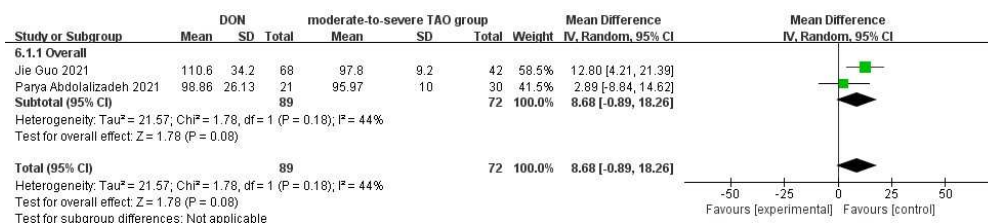

Fig S75. Forest plot of PRNFL between DON group and moderate-to-severe TAO group in OCT

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;