

## SUPPLEMENTARY DATA

Supplementary Table S1. subgroup analysis of laboratory characteristics of uveitis

Parameter	Idiopathic panuveitis	VKH disease	Behçet's disease	Control	p-value*	p-value**	p-value***	p-value#	p-value##
GLU (mmol/L)	5.23 ± 0.37	5.35 ± 0.37	5.24 ± 0.45	5.25 ± 0.81	0.709	0.419	0.903	0.159	0.939
BUN (mmol/L)	4.65 ± 0.91	4.74 ± 0.76	4.51 ± 1.29	4.64 ± 1.06	0.954	0.753	0.732	0.706	0.542
Cr (umol/L)	69.44 ± 12.59	63.77 ± 9.77	73.71 ± 12.65	69.76 ± 17.69	0.775	0.093	0.324	0.058	0.143
UA (umol/L)	296.11 ± 58.91	289.12 ± 58.11	302.31 ± 68.13	304.50 ± 54.74	0.054	0.151	0.731	0.597	0.679
TC (mmol/L)	5.26 ± 1.12	5.40 ± 0.54	4.67 ± 0.88	5.02 ± 0.88	<b>&lt;0.001</b>	<b>0.033</b>	0.075	<b>0.017</b>	<b>&lt;0.001</b>
TG (mmol/L)	1.65 ± 1.02	2.58 ± 1.41	1.30 ± 0.79	1.45 ± 0.81	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.408	0.125	<b>&lt;0.001</b>
HDL (mmol/L)	1.51 ± 0.35	1.57 ± 0.52	1.29 ± 0.37	1.48 ± 0.37	0.109	0.257	<b>0.024</b>	<b>0.005</b>	<b>0.045</b>
LDL (mmol/L)	3.30 ± 0.81	2.99 ± 0.67	2.82 ± 0.72	2.70 ± 0.65	<b>&lt;0.001</b>	<b>0.047</b>	0.458	<b>0.011</b>	0.421
CRP (mg/L)	1.71 ± 1.86	1.02 ± 0.89	31.10 ± 26.30	1.54 ± 2.35	0.734	0.376	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>

The data were presented as mean ± SD. SD, standard deviation; GLU, blood glucose; BUN, blood urea nitrogen; Cr, creatinine; UA, uric acid; TC, total cholesterol; TG, triglyceride; HDLc, high-density lipoprotein-cholesterol; LDLc, low-density lipoprotein-cholesterol; CRP, C-reactive protein. \*Difference between Idiopathic panuveitis and normal controls, \*\*difference between VKH disease and normal controls, \*\*\*difference between Behçet's disease and normal controls. #Difference between Idiopathic panuveitis and Behçet's disease, ## difference between VKH disease and Behçet's disease

Supplementary Table S2. Corretation among biological parameters in the uveitis

	GLU	BUN	Cr	UA	TC	TG	HDL	LDL	CRP
GLU	/	r=0.015; p=0.777	r=0.060; p=0.273	r=0.021; p=0.716	r=0.065; p=0.224	r=0.004; p=0.947	r=-0.251; <b>p&lt;0.001</b>	r=0.092; p=0.082	r=0.028; p=0.609
BUN	r=0.015; p=0.777	/	r=0.287; <b>p&lt;0.001</b>	r=0.145; <b>p=0.009</b>	r=0.090; p=0.074	r=0.012; p=0.816	r=-0.073; p=0.153	r=0.082; p=0.104	r=0.012; p=0.812
Cr	r=0.060; p=0.273	r=0.287; <b>p&lt;0.001</b>	/	r=0.383; <b>p&lt;0.001</b>	r=0.079; p=0.118	r=-0.053; p=0.299	r=0.059; p=0.244	r=0.071; p=0.164	r=0.097; p=0.062
UA	r=0.021; p=0.716	r=0.145; <b>p=0.009</b>	r=0.383; <b>p&lt;0.001</b>	/	r=0.002; p=0.967	r=-0.056; p=0.297	r=0.070; p=0.197	r=0.030; p=0.578	r=0.159; <b>p=0.004</b>
TC	r=0.065; p=0.224	r=0.090; p=0.074	r=0.079; p=0.118	r=0.002; p=0.967	/	r=0.375; <b>p&lt;0.001</b>	r=0.082; p=0.073	r=0.944; <b>p&lt;0.001</b>	r=0.002; p=0.971
TG	r=0.004; p=0.947	r=0.012; p=0.816	r=-0.053; p=0.299	r=-0.056; p=0.297	r=0.375; <b>p&lt;0.001</b>	/	r=-0.039; p=0.387	r=0.354; <b>p&lt;0.001</b>	r=0.037; p=0.471
HDL	r=-0.251; <b>p&lt;0.001</b>	r=-0.073; p=0.153	r=0.059; p=0.244	r=0.070; p=0.197	r=0.082; p=0.073	r=-0.039; p=0.387	/	r=0.042; p=0.361	r=-0.010; p=0.845
LDL	r=0.092; p=0.082	r=0.082; p=0.104	r=0.071; p=0.164	r=0.030; p=0.578	r=0.944; <b>p&lt;0.001</b>	r=0.354; <b>p&lt;0.001</b>	r=0.042; p=0.361	/	r=0.020; p=0.691
CRP	r=0.028; p=0.609	r=0.012; p=0.812	r=0.097; p=0.062	r=0.159; <b>p=0.004</b>	r=0.002; p=0.971	r=0.037; p=0.471	r=-0.010; p=0.845	r=0.020; p=0.691	/

GLU, blood glucose; BUN, blood urea nitrogen; Cr, creatinine; UA, uric acid; TC, total cholesterol; TG, triglyceride; HDLc, high-density lipoprotein-cholesterol; LDLc, low-density lipoprotein-cholesterol; CRP, C-reactive protein.

Supplementary Table S3. Correlation among biological parameters in the Idiopathic panuveitis

	GLU	BUN	Cr	UA	TC	TG	HDL	LDL	CRP
GLU	/	r=0.161; <b>p=0.002</b>	r=0.089; p=0.091	r=0.049; p=0.345	r=0.051; p=0.335	r=0.117; <b>p=0.026</b>	r=-0.089; p=0.087	r=0.092; p=0.079	r=-0.061; p=0.242
BUN	r=0.161; <b>p=0.002</b>	/	r=0.336; <b>p&lt;0.001</b>	r=0.102; <b>p=0.042</b>	r=0.151; <b>p=0.002</b>	r=0.028; p=0.579	r=-0.028; p=0.567	r=0.125; <b>p=0.012</b>	r=-0.009; p=0.842
Cr	r=0.089; p=0.091	r=0.336; <b>p&lt;0.001</b>	/	r=0.468; <b>p&lt;0.001</b>	r=-0.018; p=0.716	r=0.017; p=0.738	r=-0.026; p=0.598	r=0.006; p=0.899	r=0.049; p=0.323
UA	r=0.049; p=0.345	r=0.102; <b>p=0.042</b>	r=0.468; <b>p&lt;0.001</b>	/	r=-0.052; p=0.299	r=-0.011; p=0.819	r=0.055; p=0.268	r=-0.002; p=0.964	r=-0.035; p=0.485
TC	r=0.051; p=0.335	r=0.151; <b>p=0.002</b>	r=-0.018; p=0.716	r=-0.052; p=0.299	/	r=0.141; <b>p=0.002</b>	r=0.183; <b>p&lt;0.001</b>	r=0.332; <b>p&lt;0.001</b>	r=0.059; p=0.234
TG	r=0.117; <b>p=0.026</b>	r=0.028; p=0.579	r=0.017; p=0.738	r=-0.011; p=0.819	r=0.141; <b>p=0.002</b>	/	r=-0.005; p=0.916	r=0.207; <b>p&lt;0.001</b>	r=0.129; p=0.059
HDL	r=-0.089; p=0.087	r=0.028; p=0.567	r=-0.026; p=0.598	r=0.055; p=0.268	r=0.183; <b>p&lt;0.001</b>	r=-0.005; p=0.916	/	r=0.079; p=0.085	r=-0.077; p=0.121
LDL	r=0.092; p=0.079	r=0.125; <b>p=0.012</b>	r=0.006; p=0.899	r=-0.002; p=0.964	r=0.332; <b>p&lt;0.001</b>	r=0.207; <b>p&lt;0.001</b>	r=0.079; p=0.085	/	r=-0.020; p=0.689
CRP	r=-0.061; p=0.242	r=-0.009; p=0.842	r=0.049; p=0.323	r=-0.035; p=0.485	r=0.059; p=0.235	r=0.129; p=0.059	r=-0.077; p=0.121	r=-0.019; p=0.689	/

GLU, blood glucose; BUN, blood urea nitrogen; Cr, creatinine; UA, uric acid; TC, total cholesterol; TG, triglyceride; HDLc, high-density lipoprotein-cholesterol; LDLc, low-density lipoprotein-cholesterol; CRP, C-reactive protein.

Supplementary Table S4. Corretation among biological parameters in the VKH disease

	GLU	BUN	Cr	UA	TC	TG	HDL	LDL	CRP
GLU	/	r=0.078; p=0.694	r=-0.027; p=0.891	r=-0.265; p=0.182	r=0.179; p=0.393	r=-0.416; p=0.068	r=-0.182; p=0.429	r=0.186; p=0.433	r=-0.171; p=0.472
BUN	r=0.078; p=0.694	/	r=0.669; <b>p&lt;0.001</b>	r=0.201; p=0.314	r=0.216; p=0.301	r=-0.144; p=0.545	r=0.171; p=0.461	r=0.108; p=0.649	r=0.102; p=0.669
Cr	r=0.027; p=0.891	r=0.669; <b>p&lt;0.001</b>	/	r=0.067; p=0.741	r=0.259; p=0.211	r=-0.085; p=0.721	r=0.064; p=0.784	r=0.069; p=0.771	r=0.381; p=0.098
UA	r=-0.265; p=0.182	r=0.201; p=0.314	r=0.067; p=0.741	/	r=-0.027; p=0.897	r=0.248; p=0.291	r=-0.072; p=0.756	r=-0.126; p=0.597	r=-0.235; p=0.318
TC	r=0.179; p=0.393	r=0.216; p=0.301	r=0.259; p=0.211	r=-0.027; p=0.897	/	r=-0.136; p=0.567	r=-0.409; p=0.066	r=0.166; p=0.484	r=0.028; p=0.907
TG	r=-0.416; p=0.068	r=-0.144; p=0.545	r=-0.085; p=0.721	r=0.248; p=0.291	r=-0.137; p=0.567	/	r=0.281; p=0.229	r=0.093; p=0.697	r=-0.184; p=0.438
HDL	r=-0.182; p=0.429	r=0.170; p=0.461	r=0.064; p=0.784	r=-0.072; p=0.756	r=-0.409; p=0.066	r=0.282; p=0.229	/	r=0.091; p=0.702	r=-0.073; p=0.759
LDL	r=0.186; p=0.433	r=0.108; p=0.649	r=0.069; p=0.771	r=-0.126; p=0.597	r=0.166; p=0.484	r=0.093; p=0.697	r=0.091; p=0.702	/	r=0.244; p=0.299
CRP	r=-0.171; p=0.472	r=0.102; p=0.669	r=0.380; p=0.098	r=-0.235; p=0.318	r=0.028; p=0.907	r=-0.184; p=0.438	r=-0.073; p=0.759	r=0.244; p=0.299	/

GLU, blood glucose; BUN, blood urea nitrogen; Cr, creatinine; UA, uric acid; TC, total cholesterol; TG, triglyceride; HDLc, high-density lipoprotein-cholesterol; LDLc, low-density lipoprotein-cholesterol; CRP, C-reactive protein.

Supplementary Table S5. Corretation among biological parameters in the Behçet's disease

	GLU	BUN	Cr	UA	TC	TG	HDL	LDL	CRP
GLU	/	r=0.005; p=0.982	r=0.038; p=0.873	r=0.068; p=0.775	r=-0.426; p=0.061	r=-0.204; p=0.388	r=-0.385; p=0.094	r=-0.261; p=0.266	r=0.193; p=0.414
BUN	r=0.005; p=0.982	/	r=0.439; p=0.053	r=0.487; <b>p=0.029</b>	r=0.051; p=0.832	r=0.176; p=0.458	r=-0.161; p=0.496	r=0.086; p=0.718	r=-0.215; p=0.362
Cr	r=0.038; p=0.873	r=0.439; p=0.053	/	r=0.671; <b>p=0.001</b>	r=0.140; p=0.557	r=-0.036; p=0.879	r=-0.132; p=0.579	r=0.189; p=0.426	r=-0.185; p=0.434
UA	r=0.068; p=0.775	r=0.487; <b>p=0.029</b>	r=0.671; <b>p=0.001</b>	/	r=0.102; p=0.670	r=0.183; p=0.440	r=-0.207; p=0.381	r=0.152; p=0.522	r=-0.063; p=0.793
TC	r=-0.426; p=0.061	r=0.051; p=0.832	r=0.140; p=0.557	r=0.102; p=0.670	/	r=0.548; <b>p=0.012</b>	r=0.358; <b>p=0.022</b>	r=0.957; <b>p&lt;0.001</b>	r=-0.527; p=0.057
TG	r=-0.204; p=0.388	r=0.176; p=0.458	r=-0.036; p=0.879	r=0.183; p=0.440	r=0.548; <b>p=0.012</b>	/	r=-0.336; p=0.147	r=0.573; <b>p=0.008</b>	r=-0.297; p=0.204
HDL	r=-0.385; p=0.094	r=-0.162; p=0.496	r=-0.132; p=0.579	r=-0.207; p=0.381	r=0.358; <b>p=0.022</b>	r=-0.336; p=0.147	/	r=0.158; p=0.507	r=-0.395; p=0.085
LDL	r=-0.261; p=0.266	r=0.086; p=0.718	r=0.189; p=0.426	r=0.152; p=0.522	r=0.957; <b>p&lt;0.001</b>	r=0.573; <b>p=0.008</b>	r=0.158; p=0.507	/	r=-0.377; p=0.063
CRP	r=0.193; p=0.414	r=-0.215; p=0.362	r=-0.185; p=0.434	r=-0.063; p=0.793	r=-0.527; p=0.057	r=-0.297; p=0.204	r=-0.395; p=0.085	r=-0.377; p=0.063	/

GLU, blood glucose; BUN, blood urea nitrogen; Cr, creatinine; UA, uric acid; TC, total cholesterol; TG, triglyceride; HDLc, high-density lipoprotein-cholesterol; LDLc, low-density lipoprotein-cholesterol; CRP, C-reactive protein.

Supplementary Table S6. subgroup analysis of VD in the uveitis and control groups

	Idiopathic panuveitis	VKH disease	Behçet's disease	Control	p-value*	p-value**	p- value***	p- value#	p- value##
Whole VD SCP (%)	46.54 ± 4.25	46.04 ± 6.09	45.21 ± 3.68	48.97 ± 3.88	<b>0.007</b>	<b>0.006</b>	<b>0.003</b>	0.728	0.372
Parafovea VD SCP (%)	46.78 ± 4.76	47.08 ± 5.98	46.31 ± 5.15	50.62 ± 5.29	<b>0.001</b>	<b>0.004</b>	<b>0.011</b>	0.837	0.791
Whole VD DCP (%)	45.75 ± 5.91	45.54 ± 4.98	45.58 ± 4.61	48.25 ± 6.60	<b>0.046</b>	<b>0.047</b>	<b>0.041</b>	0.887	0.932
Parafovea VD DCP (%)	51.43 ± 6.35	51.67 ± 5.62	52.80 ± 4.51	54.01 ± 4.62	<b>0.023</b>	<b>0.029</b>	<b>0.036</b>	0.881	0.559
Whole VD outer retina (%)	15.03 ± 4.12	13.96 ± 2.76	15.84 ± 4.77	14.69 ± 3.14	0.579	0.369	0.266	0.268	0.604
Whole VD Choriocapillaris (%)	23.44 ± 1.75	23.46 ± 1.01	23.12 ± 0.91	24.21 ± 1.18	<b>0.014</b>	<b>0.011</b>	<b>0.004</b>	0.965	0.561
FAZ (mm <sup>2</sup> )	0.29 ± 0.09	0.31 ± 0.08	0.32 ± 0.07	0.33 ± 0.13	0.186	0.562	0.933	0.387	0.285
FD-300 Area Density (%)	46.24 ± 7.11	46.75 ± 6.81	43.267 ± 10.33	54.03 ± 5.70	<b>&lt;0.001</b>	<b>&lt;0.001</b>	<b>&lt;0.001</b>	0.435	0.125
FD-300 Length Density (%)	9.98 ± 2.78	10.17 ± 2.21	9.17 ± 3.65	11.54 ± 2.29	<b>0.006</b>	<b>0.009</b>	<b>0.005</b>	0.782	0.462
Optic disk VD (%)	54.25 ± 5.68	51.54 ± 5.38	53.97 ± 4.79	56.35 ± 2.43	<b>0.019</b>	<b>&lt;0.001</b>	<b>0.018</b>	0.078	0.889

The data were presented as mean ± SD. SD, standard deviation; VD, vascular density; SCP, superficial capillary plexus; DCP, deep capillary plexus; FAZ, foveal avascular zone; FD300, Foveal density 300 µm. \*Difference between Idiopathic panuveitis and normal controls, \*\*difference between VKH disease and normal controls, \*\*\* difference between Behçet's disease and normal controls. #Difference between Idiopathic panuveitis and Behçet's disease, ## difference between VKH disease and Behçet's disease

Supplementary Table S7. Correlation between biological parameters and vascular density in the uveitis

	GLU	BUN	Cr	UA	TC	TG	HDLc	LDLc	CRP
Whole VD SCP (%)	r=0.118; p=0.534	r=-0.193; p=0.299	r=0.027; p=0.887	r=-0.413; <b>p=0.021</b>	r=-0.246; p=0.207	r=-0.105; p=0.597	r=-0.489; <b>p=0.008</b>	r=0.051; p=0.693	r=0.210; p=0.561
Parafovea VD SCP (%)	r=0.107; p=0.575	r=-0.071; p=0.706	r=0.161; p=0.958	r=-0.253; p=0.169	r=-0.132; p=0.502	r=0.032; p=0.873	r=-0.480; <b>p=0.026</b>	r=0.047; p=0.713	r=0.082; p=0.823
Whole VD DCP (%)	r=-0.422; <b>p=0.020</b>	r=-0.387; <b>p=0.031</b>	r=-0.013; p=0.467	r=0.183; p=0.325	r=0.111; p=0.574	r=0.219; p=0.262	r=0.170; p=0.387	r=0.576; <b>p=0.032</b>	r=-0.201; p=0.579
Parafovea VD DCP (%)	r=-0.379; <b>p=0.039</b>	r=-0.407; <b>p=0.023</b>	r=-0.266; p=0.156	r=0.130; p=0.485	r=-0.005; p=0.979	r=0.167; p=0.396	r=0.207; p=0.291	r=0.267; <b>p=0.034</b>	r=-0.266; p=0.458
Whole VD outer retina (%)	r=0.007; p=0.969	r=0.314; p=0.086	r=0.098; p=0.606	r=0.068; p=0.716	r=0.008; p=0.968	r=0.088; p=0.655	r=-0.046; p=0.815	r=0.221; p=0.081	r=-0.267; p=0.455
Whole VD Choriocapillaris (%)	r=-0.041; p=0.830	r=-0.484; p=0.006	r=-0.190; p=0.315	r=0.118; p=0.527	r=-0.139; p=0.479	r=0.103; p=0.600	r=0.154; p=0.433	r=0.135; p=0.292	r=-0.285; p=0.425
FAZ (mm <sup>2</sup> )	r=-0.290; p=0.121	r=-0.263; p=0.152	r=-0.213; p=0.259	r=0.115; p=0.538	r=0.163; p=0.406	r=0.079; p=0.539	r=0.237; p=0.224	r=0.079; p=0.539	r=0.432; p=0.212
FD-300 Area Density (%)	r=-0.067; p=0.727	r=0.133; p=0.477	r=0.034; p=0.859	r=0.028; p=0.881	r=0.372; p=0.051	r=-0.004; p=0.986	r=0.141; p=0.476	r=-0.061; p=0.638	r=-0.080; p=0.826
FD-300 Length Density (%)	r=-0.135; p=0.477	r=0.139; p=0.455	r=0.083; p=0.661	r=0.019; p=0.921	r=0.260; p=0.181	r=0.020; p=0.920	r=0.119; p=0.547	r=0.021; p=0.873	r=-0.124; p=0.733
Optic disk VD (%)	r=-0.295; p=0.114	r=-0.494; <b>p=0.005</b>	r=-0.387; <b>p=0.035</b>	r=-0.201; p=0.278	r=-0.212; p=0.279	r=-0.024; p=0.905	r=-0.151; p=0.443	r=-0.039; p=0.764	r=0.207; p=0.567

GLU, blood glucose; BUN, blood urea nitrogen; Cr, creatinine; UA, uric acid; TC, total cholesterol; TG, triglyceride; HDLc, high-density lipoprotein-cholesterol; LDLc, low-density lipoprotein-cholesterol; CRP, C-reactive protein. VD, vascular density; SCP, superficial capillary plexus; DCP, deep capillary plexus; FAZ, foveal avascular zone; FD300, Foveal density 300  $\mu\text{m}$ .