

SUPPLEMENTARY TABLES

Table S1. Relationship between donor risk scores and immune parameters

	UNOS-D score	HDS	aHDS	Median	IQR (25-75)
	p value	p value	p value		
thiol (414 nm)	0.284	0.174	0.362	0.73	0.00 - 3.05
thiol (405 nm)	0.541	0.520	0.353	1.32	0.00 - 3.66
IFN γ (pg/mL)	0.896	0.935	0.970	2.74	1.72 - 3.56
IL-17A (pg/mL)	0.004	0.000	0.009	8.56	8.49 - 8.72
IL-17F (pg/mL)	0.405	0.396	0.928	17.56	17.20 - 18.41
IL-21 (pg/mL)	0.722	0.582	0.840	27.46	19.20 - 37.94
IL-22 (pg/mL)	0.722	0.654	0.862	17.11	17.09 - 17.13
IL-4 (pg/mL)	0.748	0.973	0.998	25.06	20.72 - 32.65
TNF (pg/mL)	0.374	0.427	0.568	3.22	3.14 - 3.48
IL-10 (pg/mL)	0.748	0.365	0.450	25.90	6.10 - 42.40
IL-13 (pg/mL)	0.426	0.733	0.982	5.83	5.69 - 6.40
IL-2 (pg/mL)	0.549	0.518	0.287	22.81	14.78 - 34.51
IL-5 (pg/mL)	0.004	0.000	0.000	1.04	0.93 - 1.31
IL-6 (pg/mL)	0.469	0.053	0.057	111.32	31.99 - 390.71
IL-9 (pg/mL)	0.818	0.840	0.494	17.39	16.83 - 18.75
Leptin (ng/mL)	0.014	0.653	0.061	5.14	4.58 - 5.39
Adiponectin (ng/mL)	0.006	0.030	0.142	16.07	12.18 - 23.55
Adipsin (ng/mL)	0.963	0.303	0.553	530.14	469.19 - 603.05
oxLDL (ng/mL)	0.499	0.573	0.202	242.28	170.83 - 289.91
ApoAI (ug/mL)	0.416	0.972	0.005	51.85	41.52 - 94.00
ApoAII (ug/mL)	0.109	0.973	0.030	194.83	108.36 - 230.30
ApoB100 (ug/mL)	0.691	0.881	0.228	105.72	50.51 - 219.23
ApoCII (ug/mL)	0.329	0.568	0.022	9.28	8.40 - 10.06
ApoCIII (ug/mL)	0.357	0.541	0.059	5.77	1.84 - 17.88
ApoD (ug/mL)	0.350	0.774	0.098	6.87	4.07 - 11.52
ApoH (ug/mL)	0.744	0.783		0.00	0.00 - 0.00
ApoJ (ug/mL)	0.860	0.426		0.00	0.00 - 0.00
ApoM (ug/mL)	0.607	0.823	0.053	11.35	2.90 - 28.98
T3 (pg/mL)	0.121	0.756	0.312	2.00	1.10 - 2.62
T4 (ug/dL)	0.262	0.002	0.438	3.26	2.84 - 3.78

aHDS: adapted Heart Donor Score; Apo: apolipoprotein; HDS: Heart Donor Score; IFN γ : interferon- γ ; IL: interleukin; IQR: interquartile range; oxLDL: oxidized low-density lipoprotein; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor; UNOS-D: United Network for Organ Sharing Donor score

Table S2. Relationship between donor interleukin levels and primary graft dysfunction

	NO PGD		PGD		p value
	Median	IQR (25-75)	Median	IQR (25-75)	
thiol (414 nm)	0.80	0.00 - 3.18	0.65	0.00 - 6.56	0.964
thiol (405 nm)	1.60	0.00 - 3.69	0.52	0.00 - 6.22	0.688
IFN γ (pg/mL)	2.30	1.51 - 5.94	3.23	2.60 - 3.47	0.238
IL-17A (pg/mL)	8.59	8.49 - 8.83	8.54	8.51 - 8.63	0.485
IL-17F (pg/mL)	17.56	17.17 - 24.15	17.83	17.21 - 18.24	0.965
IL-21 (pg/mL)	32.25	20.39 - 38.72	19.74	17.31 - 53.94	0.206
IL-22 (pg/mL)	17.11	17.08 - 17.13	17.13	17.09 - 17.19	0.590
IL-4 (pg/mL)	25.93	20.72 - 44.16	20.72	18.11 - 25.93	0.148
TNF (pg/mL)	3.21	3.07 - 3.60	3.30	3.19 - 3.40	0.631
IL-10 (pg/mL)	32.50	6.10 - 45.70	19.30	6.10 - 45.70	0.591
IL-13 (pg/mL)	5.76	5.68 - 6.93	5.91	5.76 - 6.19	0.727
IL-2 (pg/mL)	20.13	13.44 - 40.20	24.14	18.79 - 30.16	0.662
IL-5 (pg/mL)	1.05	0.94 - 1.40	1.02	0.89 - 1.14	0.221
IL-9 (pg/mL)	17.45	16.90 - 18.90	16.90	16.77 - 179.06	0.359
Leptin (ng/mL)	5.17	4.43 - 5.37	4.83	4.72 - 8.88	0.359
Adiponectin (ng/mL)	16.45	12.13 - 25.57	13.10	10.86 - 20.18	0.359
Adipsin (ng/mL)	541.85	468.63 - 603.61	522.54	461.78 - 582.13	0.631
oxLDL (ng/mL)	242.28	185.12 - 308.96	194.65	123.20 - 261.33	0.203
ApoAI (ug/mL)	57.23	43.96 - 99.21	44.87	22.74 - 84.12	0.407
ApoAII (ug/mL)	206.93	113.07 - 254.22	163.54	74.88 - 204.34	0.206
ApoB100 (ug/mL)	106.45	52.09 - 231.25	65.01	48.49 - 182.38	0.570
ApoCII (ug/mL)	9.41	8.42 - 16.42	8.90	8.22 - 9.42	0.176
ApoCIII (ug/mL)	7.84	3.32 - 33.35	2.30	1.56 - 7.04	0.176
ApoD (ug/mL)	6.94	3.98 - 19.22	5.56	4.05 - 9.69	0.570
ApoH (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 0.00	0.292
ApoJ (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 0.00	0.564
ApoM (ug/mL)	17.91	7.01 - 34.07	8.58	0.00 - 11.35	0.105
T3 (pg/mL)	2.00	0.53 - 2.83	2.06	1.32 - 2.49	0.920
T4 (ug/dL)	2.95	2.57 - 3.78	3.52	3.25 - 6.36	0.194

Apo: apolipoprotein; IFN γ : interferon- γ ; IL: interleukin; IQR: interquartile range; oxLDL: oxidized low-density lipoprotein; PGD: primer graft dysfunction; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor

Table S3. Relationship between donor interleukin levels and postoperative mechanical circulatory support

	NO MCS		MCS		p value
	Median	IQR (25-75)	Median	IQR (25-75)	
thiol (414 nm)	0.40	0.00 - 3.30	1.38	0.00 - 4.77	0.665
thiol (405 nm)	1.32	0.00 - 3.82	1.31	0.00 - 4.67	0.933
IFNg (pg/mL)	2.51	1.51 - 6.18	3.12	2.08 - 3.37	0.509
IL-17A (pg/mL)	8.63	8.50 - 8.86	8.54	8.46 - 8.61	0.173
IL-17F (pg/mL)	17.52	17.10 - 24.47	17.69	17.28 - 18.14	0.967
IL-21 (pg/mL)	33.56	20.05 - 44.56	20.33	17.44 - 40.45	0.187
IL-22 (pg/mL)	17.11	17.08 - 17.14	17.12	17.10 - 17.16	0.734
IL-4 (pg/mL)	26.79	21.59 - 44.16	20.72	19.42 - 25.06	0.082
TNF (pg/mL)	3.22	3.11 - 3.61	3.26	3.14 - 3.37	0.804
IL-10 (pg/mL)	25.90	6.10 - 45.70	25.90	6.10 - 39.10	0.767
IL-13 (pg/mL)	5.79	5.66 - 7.41	5.88	5.70 - 6.06	0.967
IL-2 (pg/mL)	21.47	14.44 - 40.87	23.47	14.44 - 27.82	0.869
IL-5 (pg/mL)	1.16	0.96 - 1.45	0.97	0.87 - 1.09	0.069
IL-9 (pg/mL)	17.54	16.87 - 26.70	16.90	16.79 - 98.12	0.248
Leptin (ng/mL)	5.14	4.37 - 5.38	5.05	4.75 - 7.39	0.248
Adiponectin (ng/mL)	16.07	11.65 - 26.02	15.13	11.58 - 19.78	0.458
Adipsin (ng/mL)	536.49	454.35 - 601.93	525.85	466.32 - 638.93	0.805
oxLDL (ng/mL)	256.57	180.36 - 318.49	194.65	139.87 - 251.81	0.147
ApoAI (ug/mL)	58.75	43.15 - 104.11	51.05	25.07 - 78.47	0.458
ApoAII (ug/mL)	200.16	111.50 - 260.50	179.91	88.21 - 222.86	0.509
ApoB100 (ug/mL)	112.35	43.23 - 263.17	74.44	49.24 - 144.53	0.509
ApoCII (ug/mL)	9.41	8.38 - 16.56	9.03	8.31 - 9.76	0.364
ApoCIII (ug/mL)	9.02	2.91 - 41.21	4.18	1.59 - 7.88	0.248
ApoD (ug/mL)	6.87	3.91 - 19.38	6.48	4.20 - 9.11	0.741
ApoH (ug/mL)	0.00	0.00 - 0.05	0.00	0.00 - 0.00	0.232
ApoJ (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 0.00	0.513
ApoM (ug/mL)	17.70	5.64 - 34.49	9.64	0.00 - 16.52	0.282
T3 (pg/mL)	2.02	0.48 - 2.88	1.99	1.48 - 2.37	0.853
T4 (ug/dL)	2.91	2.48 - 3.79	3.69	3.28 - 5.51	0.096

Apo: apolipoprotein; IFNg: interferon- γ ; IL: interleukin; IQR: interquartile range; MCS: mechanical circulatory support; oxLDL: oxidized low-density lipoprotein; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor

Table S4. Relationship between donor interleukin levels and vasoplegia

	NO vasoplegia		Vasoplegia		p value
	Median	IQR (25-75)	Median	IQR (25-75)	
thiol (414 nm)	0.00	0.00 - 2.40	4.79	2.11 - 11.01	0.030
thiol (405 nm)	0.73	0.00 - 3.17	6.54	2.10 - 10.35	0.045
IFN γ (pg/mL)	2.30	1.60 - 4.79	3.00	2.77 - 3.28	0.427
IL-17A (pg/mL)	8.59	8.49 - 8.78	8.54	8.53 - 8.55	0.525
IL-17F (pg/mL)	17.56	17.32 - 21.23	17.17	17.08 - 18.44	0.491
IL-21 (pg/mL)	32.25	19.71 - 50.40	19.74	19.00 - 20.92	0.153
IL-22 (pg/mL)	17.11	17.09 - 17.15	17.11	17.08 - 17.13	0.513
IL-4 (pg/mL)	24.19	20.72 - 38.95	25.93	15.51 - 27.66	0.559
TNF (pg/mL)	3.23	3.10 - 3.54	3.21	3.21 - 3.45	0.791
IL-10 (pg/mL)	32.50	12.70 - 45.70	6.10	6.10 - 19.30	0.082
IL-13 (pg/mL)	5.82	5.69 - 6.58	5.85	5.68 - 6.45	1.000
IL-2 (pg/mL)	24.14	14.11 - 37.52	20.13	14.78 - 22.81	0.524
IL-5 (pg/mL)	1.05	0.94 - 1.36	1.01	0.87 - 1.02	0.204
IL-6 (pg/mL)	181.36	35.81 - 421.91	36.72	29.97 - 51.52	0.153
IL-9 (pg/mL)	17.45	16.86 - 34.49	16.90	16.75 - 17.17	0.185
Leptin (ng/mL)	5.17	4.60 - 5.38	4.78	4.20 - 5.91	0.874
Adiponectin (ng/mL)	16.45	12.22 - 24.65	13.10	10.13 - 19.38	0.427
Adipsin (ng/mL)	541.85	474.57 - 615.26	470.87	411.49 - 522.54	0.153
oxLDL (ng/mL)	242.28	161.30 - 299.44	280.39	194.65 - 289.91	0.559
ApoAI (ug/mL)	46.48	42.34 - 92.59	72.82	27.41 - 168.65	0.634
ApoAII (ug/mL)	196.27	109.93 - 226.30	163.54	48.21 - 339.08	0.711
ApoB100 (ug/mL)	106.45	51.04 - 207.22	65.01	47.00 - 1242.80	0.958
ApoCII (ug/mL)	9.41	8.34 - 10.02	9.15	8.39 - 16.42	0.958
ApoCIII (ug/mL)	6.07	2.50 - 16.97	2.30	1.49 - 33.35	0.560
ApoD (ug/mL)	6.81	3.86 - 9.32	11.99	4.35 - 24.98	0.315
ApoH (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 17.15	0.349
ApoJ (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 7.35	0.017
ApoM (ug/mL)	11.99	4.27 - 27.84	8.58	0.00 - 132.20	0.832
T3 (pg/mL)	1.99	0.82 - 2.72	2.23	1.59 - 2.50	0.506
T4 (ug/dL)	3.26	2.84 - 3.73	4.67	1.57 - 6.19	0.894

Apo: apolipoprotein; IFN γ : interferon- γ ; IL: interleukin; IQR: interquartile range; oxLDL: oxidized low-density lipoprotein; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor

Table S5. Relationship between donor interleukin levels and rejection

	NO rejection		Rejection		p value
	Median	IQR (25-75)	Median	IQR (25-75)	
thiol (414 nm)	0.65	0.00 - 3.18	1.69	0.00 - 3.74	0.819
thiol (405 nm)	1.03	0.00 - 3.69	1.60	0.00 - 4.66	0.894
IFN γ (pg/mL)	2.81	1.51 - 3.65	2.72	2.00 - 5.31	0.896
IL-17A (pg/mL)	8.58	8.49 - 8.73	8.55	8.46 - 8.76	0.694
IL-17F (pg/mL)	17.56	17.08 - 18.44	17.56	17.32 - 21.67	0.827
IL-21 (pg/mL)	29.64	19.74 - 38.72	24.94	17.98 - 92.99	0.631
IL-22 (pg/mL)	17.11	17.11 - 17.13	17.11	17.08 - 17.20	0.719
IL-4 (pg/mL)	24.19	18.98 - 33.74	25.93	21.59 - 39.81	0.540
TNF (pg/mL)	3.23	3.13 - 3.49	3.21	3.13 - 3.51	0.861
IL-10 (pg/mL)	19.30	6.10 - 32.50	32.50	12.70 - 45.70	0.622
IL-13 (pg/mL)	5.85	5.68 - 6.45	5.76	5.69 - 7.43	0.896
IL-2 (pg/mL)	22.81	14.78 - 34.85	22.81	16.78 - 44.21	0.694
IL-5 (pg/mL)	1.05	0.93 - 1.32	1.01	0.90 - 1.32	0.570
IL-6 (pg/mL)	102.68	36.72 - 389.06	119.95	24.08 - 537.55	0.861
IL-9 (pg/mL)	17.42	16.90 - 18.90	16.90	16.66 - 734.86	0.570
Leptin (ng/mL)	5.12	4.64 - 5.40	5.17	4.31 - 5.44	0.827
Adiponectin (ng/mL)	16.45	12.40 - 23.73	12.13	10.18 - 21.37	0.315
Adipsin (ng/mL)	522.54	468.63 - 601.37	576.17	476.67 - 658.01	0.176
oxLDL (ng/mL)	242.28	166.07 - 289.91	194.65	166.07 - 299.44	0.759
ApoAI (ug/mL)	45.48	27.41 - 83.50	118.81	50.60 - 234.40	0.061
ApoCII (ug/mL)	9.13	8.26 - 9.70	10.09	9.19 - 21.83	0.061
ApoCIII (ug/mL)	5.21	1.62 - 12.56	18.80	5.79 - 57.93	0.074
ApoD (ug/mL)	5.57	3.98 - 10.13	8.51	5.93 - 26.05	0.150
ApoH (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 21.94	0.058
ApoJ (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 3.67	0.083
T3 (pg/mL)	2.01	0.96 - 2.67	2.00	1.10 - 2.88	1.000
T4 (ug/dL)	3.23	2.77 - 3.83	3.66	2.47 - 3.99	0.853

Apo: apolipoprotein; IFN γ : interferon- γ ; IL: interleukin; IQR: interquartile range; oxLDL: oxidized low-density lipoprotein; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor

Table S6. Effects of desmopressin replacement therapy on interleukin levels

	NO desmopressin therapy		Desmopressin therapy		p value
	Median	IQR (25-75)	Median	IQR (25-75)	
thiol (414 nm)	1.17	0.00 - 3.30	0.40	0.00 - 3.05	0.808
thiol (405 nm)	1.32	0.13 - 3.32	1.41	0.00 - 4.06	0.937
IFNg (pg/mL)	3.44	1.92 - 7.61	2.46	1.56 - 2.95	0.143
IL-17A (pg/mL)	8.68	8.52 - 8.88	8.54	8.48 - 8.64	0.143
IL-17F (pg/mL)	17.93	17.47 - 26.14	17.45	17.10 - 18.21	0.189
IL-21 (pg/mL)	33.56	22.70 - 82.31	22.93	19.01 - 35.45	0.165
IL-22 (pg/mL)	17.13	17.09 - 17.23	17.11	17.09 - 17.13	0.249
IL-4 (pg/mL)	28.53	21.59 - 48.71	23.32	19.42 - 27.23	0.141
TNF (pg/mL)	3.33	3.20 - 3.70	3.19	3.08 - 3.41	0.122
IL-10 (pg/mL)	39.10	9.40 - 55.60	19.30	6.10 - 32.50	0.251
IL-13 (pg/mL)	5.92	5.76 - 9.46	5.77	5.68 - 6.17	0.217
IL-2 (pg/mL)	29.50	17.79 - 52.91	17.45	13.77 - 27.49	0.075
IL-5 (pg/mL)	1.26	0.97 - 1.54	1.02	0.88 - 1.22	0.142
IL-6 (pg/mL)	182.51	49.48 - 610.69	77.10	30.08 - 369.45	0.375
IL-9 (pg/mL)	17.85	17.02 - 270.57	17.04	16.79 - 17.72	0.164
Leptin (ng/mL)	5.28	4.91 - 5.65	4.72	4.25 - 5.26	0.054
Adiponectin (ng/mL)	18.72	12.20 - 26.91	14.99	10.74 - 22.12	0.487
oxLDL (ng/mL)	213.70	106.53 - 292.29	256.57	194.65 - 289.91	0.261
ApoAI (ug/mL)	45.18	30.96 - 78.95	71.92	41.74 - 98.26	0.396
ApoAII (ug/mL)	194.88	102.86 - 218.29	194.83	125.69 - 249.24	0.877
ApoB100 (ug/mL)	105.72	50.61 - 251.37	95.28	48.27 - 183.18	0.787
ApoCII (ug/mL)	9.01	8.15 - 18.49	9.55	8.58 - 10.06	0.355
ApoCIII (ug/mL)	5.34	2.15 - 53.67	6.95	1.84 - 17.88	1.000
ApoD (ug/mL)	5.50	3.71 - 16.64	7.78	4.65 - 11.52	0.396
ApoH (ug/mL)	0.00	0.00 - 0.16	0.00	0.00 - 0.00	0.321
ApoJ (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 0.00	0.414
ApoM (ug/mL)	9.63	1.75 - 31.20	14.31	3.29 - 28.98	0.699
T3 (pg/mL)	2.00	0.52 - 2.45	2.12	1.80 - 2.83	0.433
T4 (ug/dL)	3.28	2.64 - 3.60	3.26	2.84 - 4.21	0.563

Apo: apolipoprotein; IFNg: interferon- γ ; IL: interleukin; IQR: interquartile range; oxLDL: oxidized low-density lipoprotein; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor

Table S7. Effects of glucocorticoid replacement therapy on interleukin levels

	NO glucocorticoid therapy		Glucocorticoid therapy		p value
	Median	IQR (25-75)	Median	IQR (25-75)	
thiol (414 nm)	0.32	0.00 - 3.29	1.46	0.00 - 3.05	0.686
thiol (405 nm)	0.78	0.00 - 3.29	2.49	0.18 - 4.06	0.431
IFN γ (pg/mL)	2.51	1.80 - 3.27	2.79	1.56 - 7.37	0.589
IL-17A (pg/mL)	8.54	8.49 - 8.65	8.69	8.44 - 8.91	0.354
IL-17F (pg/mL)	17.52	17.14 - 18.01	17.93	17.20 - 25.10	0.418
IL-21 (pg/mL)	30.94	18.11 - 37.79	25.11	19.36 - 55.46	0.817
IL-22 (pg/mL)	17.11	17.08 - 17.13	17.12	17.11 - 17.18	0.404
IL-4 (pg/mL)	23.32	19.42 - 27.66	29.83	21.59 - 48.71	0.163
TNF (pg/mL)	3.22	3.14 - 3.34	3.35	3.09 - 3.63	0.562
IL-10 (pg/mL)	19.30	6.10 - 42.40	32.50	19.30 - 42.40	0.342
IL-13 (pg/mL)	5.83	5.70 - 5.99	5.98	5.69 - 8.37	0.616
IL-2 (pg/mL)	22.81	14.78 - 27.49	26.82	13.77 - 42.21	0.643
IL-5 (pg/mL)	1.03	0.93 - 1.21	1.27	0.90 - 1.52	0.463
IL-6 (pg/mL)	127.82	24.75 - 371.09	111.32	33.11 - 610.14	0.643
IL-9 (pg/mL)	17.39	16.83 - 18.75	17.17	16.81 - 42.01	1.000
Adiponectin (ng/mL)	17.91	12.18 - 26.45	14.99	10.70 - 21.56	0.487
Adipsin (ng/mL)	555.32	509.02 - 603.05	474.57	380.25 - 620.56	0.217
oxLDL (ng/mL)	242.28	166.07 - 301.82	218.46	170.83 - 289.91	0.816
ApoAI (ug/mL)	59.65	31.55 - 94.00	51.36	41.74 - 144.24	1.000
ApoAII (ug/mL)	185.37	102.86 - 216.82	212.61	129.07 - 317.86	0.355
ApoB100 (ug/mL)	106.57	53.74 - 219.23	68.17	25.52 - 977.89	0.728
ApoCII (ug/mL)	9.14	8.40 - 10.04	9.41	8.47 - 14.81	0.643
ApoCIII (ug/mL)	5.77	1.79 - 17.24	6.53	2.10 - 28.80	0.817
ApoD (ug/mL)	6.48	3.90 - 11.52	6.87	4.37 - 20.77	0.758
ApoH (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 12.86	0.264
ApoJ (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 0.00	0.221
ApoM (ug/mL)	9.64	1.75 - 23.65	18.27	3.76 - 106.68	0.296
T3 (pg/mL)	1.99	0.33 - 2.62	2.17	1.89 - 2.77	0.364
T4 (ug/dL)	3.21	2.85 - 3.69	3.46	2.37 - 4.14	0.804

Apo: apolipoprotein; IFN γ : interferon- γ ; IL: interleukin; IQR: interquartile range; oxLDL: oxidized low-density lipoprotein; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor

Table S8. Effects of L-Thyroxine replacement therapy on interleukin levels

	NO L-thyroxine therapy		L-thyroxine therapy		p value
	Median	IQR (25-75)	Median	IQR (25-75)	
thiol (414 nm)	0.32	0.00 - 3.30	1.46	0.00 - 3.21	0.665
thiol (405 nm)	0.78	0.00 - 3.59	2.49	0.54 - 4.80	0.312
IFN γ (pg/mL)	2.51	1.72 - 3.37	2.79	1.65 - 7.52	0.650
IL-17A (pg/mL)	8.54	8.49 - 8.68	8.69	8.51 - 8.94	0.248
IL-17F (pg/mL)	17.52	17.03 - 18.14	17.93	17.27 - 24.77	0.386
IL-21 (pg/mL)	30.94	19.20 - 46.13	22.67	19.02 - 42.22	0.621
IL-22 (pg/mL)	17.11	17.08 - 17.14	17.12	17.10 - 17.15	0.799
IL-4 (pg/mL)	24.19	20.28 - 28.10	29.83	20.07 - 54.57	0.385
TNF (pg/mL)	3.22	3.11 - 3.37	3.35	3.14 - 3.61	0.620
IL-10 (pg/mL)	25.90	6.10 - 45.70	25.90	16.00 - 72.10	0.767
IL-13 (pg/mL)	5.83	5.66 - 6.12	5.98	5.70 - 7.93	0.592
IL-2 (pg/mL)	22.81	14.44 - 29.83	26.82	14.44 - 40.87	0.649
IL-5 (pg/mL)	1.03	0.93 - 1.29	1.27	0.97 - 1.51	0.343
IL-6 (pg/mL)	142.02	32.73 - 406.58	80.58	30.30 - 542.25	0.934
IL-9 (pg/mL)	17.43	16.88 - 29.03	16.90	16.77 - 25.83	0.364
Leptin (ng/mL)	5.19	4.75 - 5.62	4.60	4.19 - 5.16	0.058
Adiponectin (ng/mL)	17.91	12.26 - 26.02	14.05	10.04 - 18.63	0.248
Adipsin (ng/mL)	555.32	496.11 - 609.43	474.57	395.40 - 560.94	0.161
oxLDL (ng/mL)	242.28	163.69 - 287.53	266.10	158.92 - 339.93	0.562
ApoAI (ug/mL)	71.92	39.82 - 96.36	45.15	33.44 - 85.09	0.364
ApoAII (ug/mL)	194.83	105.48 - 222.30	197.68	86.26 - 275.43	0.934
ApoB100 (ug/mL)	112.47	61.25 - 237.96	52.28	12.49 - 373.60	0.149
ApoCII (ug/mL)	9.28	8.41 - 11.81	9.26	8.21 - 11.57	0.741
ApoCIII (ug/mL)	7.04	2.13 - 30.29	4.27	1.48 - 14.22	0.364
ApoD (ug/mL)	7.10	4.20 - 13.80	6.25	3.72 - 12.36	0.680
ApoH (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 4.29	0.894
ApoJ (ug/mL)	0.00	0.00 - 0.00	0.00	0.00 - 1.84	0.127
ApoM (ug/mL)	11.35	5.26 - 27.69	13.96	1.15 - 55.64	0.967
T4 (ug/dL)	3.21	2.71 - 3.67	3.52	2.66 - 4.46	0.539

Apo: apolipoprotein; IFN γ : interferon- γ ; IL: interleukin; IQR: interquartile range; oxLDL: oxidized low-density lipoprotein; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor

Table S9. Correlations with preexplantation laboratory parameters (1)

	INR			RBC (T/L)			HCT (%)		
	ρ	p value	N	ρ	p value	N	ρ	p value	N
IL-22 (pg/mL)	.485*	0.030	20	-.555*	0.026	16	-.525*	0.030	17
IL-10 (pg/mL)				-.583*	0.018	16	-.532*	0.028	17
IL-21 (pg/mL)				-.504*	0.046	16	-.483*	0.050	17
IL-9 (pg/mL)				-.545*	0.029	16	-.519*	0.033	17
Adipsin (ng/mL)							-.486*	0.048	17

	ALT (UI/L)			AST (UI/L)		
	ρ	p value	N	ρ	p value	N
IL-22 (pg/mL)	.578**	0.010	19	.521*	0.022	19
IL-10 (pg/mL)	.513*	0.025	19	.587**	0.008	19
IL-13 (pg/mL)	.461*	0.047	19			
IL-2 (pg/mL)	.542*	0.017	19			
IFNg (pg/mL)	.478*	0.038	19			

	ALP (UI/L)		
	ρ	p value	N
ApoAII (ug/mL)	-.588*	0.013	17
ApoM (ug/mL)	-.572*	0.016	17

	HGB (g/L)		
	ρ	p value	N
IL-17F (pg/mL)	.467*	0.038	20
IL-4 (pg/mL)	.593**	0.006	20
ApoAII (ug/mL)	.456*	0.043	20

*ALP: alkaline phosphatase; ALT: alanine transaminase; Apo: apolipoprotein; AST: aspartate aminotransferase; HCT: hematocrit; HGB: hemoglobin; IFN: : interferon- γ ; IL: interleukin; INR: international normalized ratio. RBC: red blood cell. *: $p < 0.05$; **: $p < 0.01$.*

Table S10. Correlations with preexplantation laboratory parameters (2)

		CRP (mg/L)		
		ρ	p value	N
Leptin (ng/mL)		-.517*	0.020	20
		CKMB (UI/L)		
		ρ	p value	N
oxLDL (ng/mL)		-.540*	0.025	17
		PLT (G/L)		
		ρ	p value	N
T3 (pg/mL)		.501*	0.040	17
		Creatinine (μ mol/L)		
		ρ	p value	N
thiol (414 nm)		-.494*	0.027	20
		Sodium (mmol/L)		
		ρ	p value	N
Adiponectin (ng/mL)		.466*	0.044	19
		Potassium (mmol/L)		
		ρ	p value	N
ApoB100 (ug/mL)		.525*	0.021	19
ApoH (ug/mL)		.472*	0.041	19

*Apo: apolipoprotein; CKMB: creatin kinase-MB isoform CRP: C-reactive protein; oxLDL: oxidized low-density lipoprotein; PLT: platelet count; T3: triiodothyronine. *: $p < 0.05$; **: $p < 0.01$.*

Table S11. Correlations with preexplantation echocardiography parameters

TAPSE (cm)		
IL-5 (pg/mL)	ρ	.975**
	p value	0.005
	N	5
ApoAI (ug/mL)	ρ	-.975**
	p value	0.005
	N	5
ApoB100 (ug/mL)	ρ	-.947*
	p value	0.014
	N	5
ApoM (ug/mL)	ρ	-.947*
	p value	0.014
	N	5
Left Atrial Horizontal Diameter (cm)		
ApoAII (ug/mL)	ρ	-.644*
	p value	0.044
	N	10
ApoCII (ug/mL)	ρ	-.718*
	p value	0.019
	N	10
ApoM (ug/mL)	ρ	-.702*
	p value	0.024
	N	10
Posterior Wall Diastolic Diameter (cm)		
ApoAII (ug/mL)	ρ	-.593*
	p value	0.033
	N	13

Right Ventricular Diastolic Diameter (cm)		
IFNγ (pg/mL)	ρ	-.735*
	p value	0.038
	N	8
IL-17F (pg/mL)	ρ	-.766*
	p value	0.027
	N	8

Septum Diastolic Diameter (cm)		
TNF (pg/mL)	ρ	-.591*
	p value	0.043
	N	12
IL-13 (pg/mL)	ρ	-.597*
	p value	0.040
	N	12

LVESD diameter (cm)		
T4 (ug/dL)	ρ	-.556*
	p value	0.021
	N	17

Left Atrial Longitudinal Diameter (cm)		
thiol (414 nm)	ρ	.750*
	p value	0.013
	N	10

*Apo: apolipoprotein; IFN γ : interferon- γ ; IL: interleukin; LVESD: left ventricular end-systolic diameter; T4: thyroxine TAPSE: tricuspid annular plane systolic excursion; TNF: tumor necrosis factor. *: $p < 0.05$; **: $p < 0.01$.*

Table S12. Correlation between donor age and immune parameters

	ρ	p
thiol (414 nm)	0.192	0.417
thiol (405 nm)	0.229	0.331
IFN γ (pg/mL)	-0.059	0.806
IL-17A (pg/mL)	0.003	0.989
IL-17F (pg/mL)	-0.261	0.266
IL-21 (pg/mL)	0.067	0.778
IL-22 (pg/mL)	-0.010	0.966
IL-4 (pg/mL)	-,467*	0.038
TNF (pg/mL)	-0.073	0.759
IL-10 (pg/mL)	-0.055	0.819
IL-13 (pg/mL)	-0.114	0.633
IL-2 (pg/mL)	-0.226	0.338
IL-5 (pg/mL)	0.038	0.874
IL-6 (pg/mL)	-0.057	0.812
IL-9 (pg/mL)	0.052	0.827
Leptin (ng/mL)	0.408	0.074
Adiponectin (ng/mL)	0.282	0.229
Adipsin (ng/mL)	-0.017	0.945
oxLDL (ng/mL)	-0.089	0.709
ApoAI (ug/mL)	-,595**	0.006
ApoAII (ug/mL)	-,613**	0.004
ApoB100 (ug/mL)	-0.409	0.073
ApoCII (ug/mL)	-,525*	0.018
ApoCIII (ug/mL)	-,470*	0.037
ApoD (ug/mL)	-,504*	0.023
ApoH (ug/mL)	-0.367	0.112
ApoJ (ug/mL)	-0.380	0.099
ApoM (ug/mL)	-,674**	0.001
T3 (pg/mL)	-0.055	0.824
T4 (ug/dL)	0.151	0.538

*Apo: apolipoprotein; IFN γ : interferon- γ ; IL: interleukin; oxLDL: oxidized low-density lipoprotein; T3: triiodothyronine; T4: thyroxine; TNF: tumor necrosis factor. *: $p < 0.05$; **: $p < 0.01$.*