

Table S I. Percentiles for E' RV – early diastolic annular peak velocity of the right ventricle (RV) according to gestational age.

Gestational age (weeks)	E' RV (cm/s)			
	Total (n)	5th	50th	95th
20	21	3.78	4.49	5.27
21	25	3.93	4.68	5.51
22	33	4.08	4.87	5.76
23	42	4.24	5.08	6.02
24	21	4.40	5.29	6.30
25	15	4.57	5.51	6.58
26	14	4.74	5.74	6.88
27	13	4.93	5.98	7.20
28	22	5.12	6.23	7.53
29	22	5.31	6.50	7.87
30	16	5.52	6.77	8.23
31	19	5.73	7.05	8.60
32	24	5.95	7.35	8.99
33	21	6.18	7.66	9.40
34	18	6.41	7.98	9.83
35	16	6.66	8.31	10.28
36	18	6.92	8.66	10.75

Table S II. Percentiles for A' RV – late diastolic annular peak velocity of the right ventricle (RV) according to gestational age.

Gestational age (weeks)	A' RV (cm/s)			
	Total (n)	5th	50th	95th
20	21	6.96	8.44	9.93
21	25	7.10	8.62	10.13
22	33	7.24	8.79	10.33
23	42	7.39	8.96	10.53
24	21	7.53	9.13	10.74
25	15	7.67	9.30	10.94
26	14	7.81	9.48	11.14
27	13	7.95	9.65	11.35
28	22	8.09	9.82	11.55
29	22	8.23	9.99	11.75
30	16	8.37	10.16	11.95
31	19	8.52	10.34	12.16
32	24	8.66	10.51	12.36
33	21	8.80	10.68	12.56
34	18	8.94	10.85	12.76
35	16	9.08	11.02	12.97
36	18	9.22	11.20	13.17

Table S III. Percentiles for S' RV – systolic annular peak velocity of the right ventricle (RV) by gestational age.

Gestational age (weeks)	S' RV (cm/s)			
	Total (n)	5th	50th	95th
20	21	3.87	4.85	5.83
21	25	4.05	5.05	6.00
22	33	4.22	5.24	6.26
23	42	4.40	5.44	6.48
24	21	4.57	5.63	6.69
25	15	4.75	5.83	6.91
26	14	4.92	6.02	7.12
27	13	5.10	6.22	7.34
28	22	5.27	6.41	7.55
29	22	5.45	6.61	7.77
30	16	5.62	6.80	7.98
31	19	5.80	7.00	8.20
32	24	5.97	7.19	8.42
33	21	6.15	7.39	8.63
34	18	6.32	7.58	8.85
35	16	6.49	7.78	9.06
36	18	6.67	7.97	9.28

Table S IV. Percentiles for E'/A' RV – early diastolic annular peak velocity / late-diastolic annular peak velocity ratio of the right ventricle (RV) according to gestational age.

Gestational age (weeks)	E'/A' RV			
	Total (n)	5th	50th	95th
20	21	0.44	0.53	0.62
21	25	0.45	0.54	0.64
22	33	0.47	0.56	0.65
23	42	0.48	0.58	0.67
24	21	0.49	0.59	0.69
25	15	0.51	0.61	0.71
26	14	0.52	0.62	0.73
27	13	0.54	0.64	0.74
28	22	0.55	0.66	0.76
29	22	0.56	0.67	0.78
30	16	0.58	0.69	0.80
31	19	0.59	0.70	0.82
32	24	0.61	0.72	0.83
33	21	0.62	0.74	0.85
34	18	0.64	0.75	0.87
35	16	0.65	0.77	0.89
36	18	0.66	0.78	0.90

Table S V. Percentiles for E' LV – early diastolic annular peak velocity of the left ventricle (LV) by gestational age.

Gestational age (weeks)	E' LV (cm/s)			
	Total (n)	5th	50th	95th
20	21	2.67	3.52	4.37
21	25	2.88	3.75	4.62
22	33	3.10	3.98	4.87
23	42	3.31	4.22	5.12
24	21	3.53	4.45	5.37
25	15	3.74	4.68	5.62
26	14	3.95	4.91	5.87
27	13	4.17	5.14	6.11
28	22	4.38	5.37	6.36
29	22	4.59	5.60	6.61
30	16	4.81	5.83	6.86
31	19	5.02	6.06	7.11
32	24	5.23	6.30	7.36
33	21	5.45	6.53	7.61
34	18	5.66	6.76	7.86
35	16	5.87	6.99	8.10
36	18	6.09	7.22	8.35

Table S VI. Percentiles for A' LV – late diastolic annular peak velocity of the left ventricle (LV) by gestational age.

Gestational age (weeks)	A' LV (cm/s)			
	Total (n)	5th	50th	95th
20	21	5.27	6.85	8.43
21	25	5.38	6.99	8.61
22	33	5.49	7.14	8.79
23	42	5.61	7.29	8.97
24	21	5.72	7.43	9.15
25	15	5.83	7.58	9.33
26	14	5.95	7.73	9.51
27	13	6.06	7.87	9.68
28	22	6.17	8.02	9.86
29	22	6.29	8.17	10.04
30	16	6.40	8.31	10.22
31	19	6.52	8.46	10.40
32	24	6.63	8.60	10.58
33	21	6.74	8.75	10.76
34	18	6.86	8.90	10.94
35	16	6.97	9.04	11.12
36	18	7.08	9.19	11.30

Table S VII. Percentiles for S' LV – systolic annular peak velocity of the left ventricle (LV) by gestational age.

Gestational age (weeks)	S' LV (cm/s)			
	Total (n)	5th	50th	95th
20	21	3.32	4.19	5.06
21	25	3.47	4.36	5.25
22	33	3.62	4.53	5.43
23	42	3.77	4.69	5.62
24	21	3.91	4.86	5.80
25	15	4.06	5.03	5.99
26	14	4.21	5.19	6.17
27	13	4.36	5.36	6.36
28	22	4.51	5.53	6.55
29	22	4.66	5.69	6.73
30	16	4.81	5.86	6.92
31	19	4.96	6.03	7.10
32	24	5.11	6.20	7.29
33	21	5.25	6.36	7.47
34	18	5.40	6.53	7.66
35	16	5.55	6.70	7.84
36	18	5.70	6.86	8.03

Table S VIII. Percentiles for E'/A' LV – early diastolic annular peak velocity / late-diastolic annular peak velocity ratio of the left ventricle (LV) by gestational age.

Gestational age (weeks)	E' / A' LV			
	Total (n)	5th	50th	95th
20	21	0.41	0.54	0.67
21	25	0.43	0.56	0.69
22	33	0.44	0.58	0.71
23	42	0.46	0.60	0.73
24	21	0.47	0.61	0.75
25	15	0.49	0.63	0.78
26	14	0.50	0.65	0.80
27	13	0.52	0.67	0.82
28	22	0.53	0.68	0.84
29	22	0.54	0.70	0.86
30	16	0.56	0.72	0.88
31	19	0.57	0.74	0.90
32	24	0.59	0.75	0.92
33	21	0.60	0.77	0.94
34	18	0.62	0.79	0.96
35	16	0.63	0.81	0.98
36	18	0.65	0.82	1.00

Table S IX. Table SIX. Percentiles for E' IVS – early diastolic annular peak velocity of the interventricular septum (IVS) by gestational age.

Gestational age (weeks)	E' IVS (cm/s)			
	Total (n)	5th	50th	95th
20	21	2.59	3.34	4.09
21	25	2.73	3.49	4.26
22	33	2.87	3.65	4.42
23	42	3.00	3.80	4.59
24	21	3.14	3.95	4.76
25	15	3.28	4.11	4.93
26	14	3.42	4.26	5.10
27	13	3.56	4.41	5.27
28	22	3.69	4.57	5.44
29	22	3.83	4.72	5.61
30	16	3.97	4.87	5.77
31	19	4.11	5.03	5.94
32	24	4.24	5.18	6.11
33	21	4.38	5.33	6.28
34	18	4.52	5.49	6.45
35	16	4.66	5.64	6.62
36	18	4.80	5.79	6.79

Table S XI. Percentiles for S' IVS – systolic annular peak velocity of the interventricular septum (IVS) by gestational age.

Gestational age (weeks)	S' IVS (cm/s)			
	Total (n)	5th	50th	95th
20	21	3.08	3.75	4.43
21	25	3.19	3.88	4.57
22	33	3.31	4.01	4.71
23	42	3.42	4.13	4.85
24	21	3.53	4.26	4.99
25	15	3.64	4.39	5.13
26	14	3.76	4.51	5.27
27	13	3.87	4.64	5.41
28	22	3.98	4.77	5.55
29	22	4.10	4.89	5.69
30	16	4.21	5.02	5.83
31	19	4.32	5.15	5.97
32	24	4.43	5.27	6.11
33	21	4.55	5.40	6.26
34	18	4.66	5.53	6.40
35	16	4.77	5.65	6.54
36	18	4.88	5.78	6.68

Table S X. Percentiles for A' IVS – late diastolic annular peak velocity of the interventricular septum (IVS) by gestational age.

Gestational age (weeks)	A' IVS (cm/s)			
	Total (n)	5th	50th	95th
20	21	4.69	5.88	7.06
21	25	4.80	6.01	7.22
22	33	4.91	6.14	7.37
23	42	5.01	6.27	7.53
24	21	5.12	6.40	7.68
25	15	5.23	6.53	7.84
26	14	5.33	6.67	8.00
27	13	5.44	6.80	8.15
28	22	5.55	6.93	8.31
29	22	5.66	7.06	8.47
30	16	5.76	7.19	8.62
31	19	5.87	7.32	8.78
32	24	5.98	7.46	8.93
33	21	6.08	7.59	9.09
34	18	6.19	7.72	9.25
35	16	6.30	7.85	9.40
36	18	6.41	7.98	9.56

Table S XII. Percentiles for E'/A' IVS – early diastolic annular peak velocity / late-diastolic annular peak velocity ratio of the interventricular septum (IVS) by gestational age.

Gestational age (weeks)	E' / A' IVS			
	Total (n)	5th	50th	95th
20	21	0.49	0.59	0.68
21	25	0.50	0.60	0.69
22	33	0.51	0.61	0.70
23	42	0.52	0.62	0.72
24	21	0.52	0.62	0.73
25	15	0.53	0.63	0.74
26	14	0.54	0.64	0.75
27	13	0.55	0.65	0.76
28	22	0.55	0.66	0.77
29	22	0.56	0.67	0.79
30	16	0.57	0.68	0.80
31	19	0.58	0.69	0.81
32	24	0.59	0.70	0.82
33	21	0.59	0.71	0.83
34	18	0.60	0.72	0.84
35	16	0.61	0.73	0.86
36	18	0.62	0.74	0.87

Table S XIII. Percentiles for ICT⁺ RV – isovolumetric contraction time using spectral tissue Doppler of the right ventricle (RV) by gestational age.

Gestational age (weeks)	ICT ⁺ VD (s)			
	Total (n)	5th	50th	95th
20	21	0.030	0.035	0.041
21	25	0.030	0.036	0.041
22	33	0.030	0.036	0.042
23	42	0.031	0.036	0.042
24	21	0.031	0.037	0.043
25	15	0.031	0.037	0.043
26	14	0.031	0.037	0.044
27	13	0.031	0.038	0.044
28	22	0.032	0.038	0.044
29	22	0.032	0.038	0.045
30	16	0.032	0.039	0.045
31	19	0.032	0.039	0.046
32	24	0.033	0.039	0.046
33	21	0.033	0.040	0.047
34	18	0.033	0.040	0.047
35	16	0.033	0.040	0.048
36	18	0.033	0.041	0.048

Table S XIV. Percentiles for IRT⁺ RV – isovolumetric relaxation time using spectral tissue Doppler of the right ventricle (RV) by gestational age.

Gestational age (weeks)	IRT ⁺ RV (s)			
	Total (n)	5th	50th	95th
20	21	0.037	0.043	0.048
21	25	0.037	0.043	0.048
22	33	0.037	0.043	0.048
23	42	0.037	0.042	0.048
24	21	0.036	0.042	0.048
25	15	0.036	0.042	0.049
26	14	0.036	0.042	0.049
27	13	0.036	0.042	0.049
28	22	0.036	0.042	0.049
29	22	0.036	0.042	0.049
30	16	0.036	0.042	0.049
31	19	0.035	0.042	0.049
32	24	0.035	0.042	0.049
33	21	0.035	0.042	0.049
34	18	0.035	0.042	0.049
35	16	0.035	0.042	0.049
36	18	0.035	0.042	0.049

Table S XV. Percentiles for ET⁺ RV – ejection time using spectral tissue Doppler of the right ventricle (RV) by gestational age.

Gestational age (weeks)	ET ⁺ RV (s)			
	Total (n)	5th	50th	95th
20	21	0.161	0.171	0.181
21	25	0.161	0.171	0.181
22	33	0.161	0.172	0.182
23	42	0.161	0.172	0.183
24	21	0.162	0.172	0.183
25	15	0.162	0.173	0.184
26	14	0.162	0.173	0.184
27	13	0.162	0.173	0.185
28	22	0.162	0.174	0.185
29	22	0.162	0.174	0.186
30	16	0.162	0.174	0.186
31	19	0.162	0.175	0.187
32	24	0.163	0.175	0.187
33	21	0.163	0.175	0.188
34	18	0.163	0.176	0.188
35	16	0.163	0.176	0.189
36	18	0.163	0.176	0.190

Table S XVI. Percentiles for MPI⁺ RV – myocardial performance index using spectral tissue Doppler of the right ventricle (RV) by gestational age.

Gestational age (weeks)	MPI ⁺ RV			
	Total (n)	5th	50th	95th
20	21	0.402	0.461	0.519
21	25	0.401	0.461	0.521
22	33	0.401	0.462	0.523
23	42	0.401	0.463	0.525
24	21	0.400	0.464	0.527
25	15	0.400	0.465	0.529
26	14	0.399	0.465	0.531
27	13	0.399	0.466	0.533
28	22	0.398	0.467	0.535
29	22	0.398	0.468	0.537
30	16	0.397	0.468	0.539
31	19	0.397	0.469	0.541
32	24	0.397	0.470	0.543
33	21	0.396	0.471	0.545
34	18	0.396	0.472	0.547
35	16	0.395	0.472	0.549
36	18	0.395	0.473	0.551

Table S XVII. Percentiles for ICT' LV – isovolumetric contraction time using spectral tissue Doppler of the left ventricle (LV) by gestational age.

Gestational age (weeks)	ICT' LV (s)			
	Total (n)	5th	50th	95th
20	21	0.029	0.034	0.039
21	25	0.029	0.034	0.039
22	33	0.029	0.035	0.040
23	42	0.030	0.035	0.040
24	21	0.030	0.035	0.041
25	15	0.030	0.036	0.041
26	14	0.031	0.036	0.042
27	13	0.031	0.036	0.042
28	22	0.031	0.037	0.043
29	22	0.031	0.037	0.043
30	16	0.032	0.038	0.044
31	19	0.032	0.038	0.044
32	24	0.032	0.038	0.045
33	21	0.033	0.039	0.045
34	18	0.033	0.039	0.046
35	16	0.033	0.040	0.046
36	18	0.033	0.040	0.047

Table S XVIII. Percentiles for IRT' LV – isovolumetric relaxation time using spectral tissue Doppler of the left ventricle (LV) by gestational age.

Gestational age (weeks)	IRT' LV (s)			
	Total (n)	5th	50th	95th
20	21	0.042	0.047	0.052
21	25	0.042	0.047	0.052
22	33	0.041	0.047	0.052
23	42	0.041	0.047	0.052
24	21	0.041	0.047	0.052
25	15	0.041	0.047	0.052
26	14	0.041	0.046	0.052
27	13	0.040	0.046	0.052
28	22	0.040	0.046	0.052
29	22	0.040	0.046	0.052
30	16	0.040	0.046	0.052
31	19	0.039	0.046	0.052
32	24	0.039	0.046	0.052
33	21	0.039	0.046	0.052
34	18	0.039	0.046	0.052
35	16	0.039	0.045	0.052
36	18	0.038	0.045	0.052

Table S XIX. Percentiles for ET' LV – ejection time using spectral tissue Doppler of the left ventricle (LV) by gestational age.

Gestational age (weeks)	ET' VE (s)			
	Total (n)	5th	50th	95th
20	21	0.161	0.171	0.182
21	25	0.161	0.171	0.182
22	33	0.161	0.171	0.182
23	42	0.160	0.172	0.183
24	21	0.160	0.172	0.183
25	15	0.160	0.172	0.183
26	14	0.160	0.172	0.184
27	13	0.160	0.172	0.184
28	22	0.160	0.172	0.184
29	22	0.159	0.172	0.184
30	16	0.159	0.172	0.185
31	19	0.159	0.172	0.185
32	24	0.159	0.172	0.185
33	21	0.159	0.172	0.186
34	18	0.159	0.172	0.186
35	16	0.159	0.172	0.186
36	18	0.158	0.172	0.186

Table S XX. Table SXX. Percentiles for MPI' LV – myocardial performance index using spectral tissue Doppler of the left ventricle (LV) by gestational age.

Gestational age (weeks)	MPI' LV			
	Total (n)	5th	50th	95th
20	21	0.417	0.475	0.533
21	25	0.417	0.477	0.536
22	33	0.417	0.478	0.538
23	42	0.418	0.479	0.541
24	21	0.418	0.481	0.544
25	15	0.418	0.482	0.546
26	14	0.418	0.483	0.549
27	13	0.418	0.485	0.551
28	22	0.419	0.486	0.554
29	22	0.419	0.488	0.557
30	16	0.419	0.489	0.559
31	19	0.419	0.490	0.562
32	24	0.419	0.492	0.564
33	21	0.419	0.493	0.567
34	18	0.420	0.495	0.569
35	16	0.420	0.496	0.572
36	18	0.420	0.497	0.575

Table S XXI. Table SXXI. Percentiles for ICT' IVS – isovolumetric contraction time using spectral tissue Doppler of the interventricular septum (IVS) by gestational age.

Gestational age (weeks)	ICT' IVS (s)			
	Total (n)	5th	50th	95th
20	21	0.029	0.033	0.038
21	25	0.029	0.033	0.038
22	33	0.029	0.034	0.039
23	42	0.029	0.034	0.039
24	21	0.029	0.034	0.039
25	15	0.029	0.034	0.040
26	14	0.029	0.035	0.040
27	13	0.030	0.035	0.040
28	22	0.030	0.035	0.041
29	22	0.030	0.035	0.041
30	16	0.030	0.036	0.041
31	19	0.030	0.036	0.042
32	24	0.030	0.036	0.042
33	21	0.030	0.036	0.042
34	18	0.031	0.037	0.043
35	16	0.031	0.037	0.043
36	18	0.031	0.037	0.043

Table S XXII. Percentiles for IRT' IVS – isovolumetric relaxation time using spectral tissue Doppler of the interventricular septum (IVS) by gestational age.

Gestational age (weeks)	IRT' IVS (s)			
	Total (n)	5th	50th	95th
20	21	0.040	0.046	0.051
21	25	0.040	0.046	0.051
22	33	0.040	0.046	0.052
23	42	0.039	0.045	0.052
24	21	0.039	0.045	0.052
25	15	0.039	0.045	0.052
26	14	0.039	0.045	0.052
27	13	0.039	0.045	0.052
28	22	0.038	0.045	0.052
29	22	0.038	0.045	0.052
30	16	0.038	0.045	0.052
31	19	0.038	0.045	0.052
32	24	0.038	0.045	0.052
33	21	0.037	0.045	0.052
34	18	0.037	0.045	0.052
35	16	0.037	0.045	0.052
36	18	0.037	0.045	0.052

Table S XXIII. Percentiles for ET' IVS – ejection time using spectral tissue Doppler of the interventricular septum (IVS) by gestational age.

Gestational age (weeks)	ET' IVS (s)			
	Total (n)	5th	50th	95th
20	21	0.156	0.162	0.168
21	25	0.156	0.162	0.168
22	33	0.156	0.162	0.168
23	42	0.156	0.162	0.168
24	21	0.156	0.162	0.168
25	15	0.156	0.162	0.168
26	14	0.156	0.162	0.168
27	13	0.156	0.162	0.168
28	22	0.156	0.162	0.168
29	22	0.156	0.162	0.168
30	16	0.156	0.162	0.169
31	19	0.156	0.162	0.169
32	24	0.156	0.162	0.169
33	21	0.156	0.162	0.169
34	18	0.156	0.162	0.169
35	16	0.156	0.162	0.169
36	18	0.156	0.162	0.169

Table S XXIV. Percentiles for MPI' IVS – myocardial performance index using spectral tissue Doppler of the interventricular septum (IVS) by gestational age.

Gestational age (weeks)	MPI' IVS			
	Total (n)	5th	50th	95th
20	21	0.434	0.478	0.525
21	25	0.433	0.478	0.526
22	33	0.433	0.478	0.526
23	42	0.432	0.479	0.527
24	21	0.432	0.479	0.528
25	15	0.431	0.479	0.529
26	14	0.431	0.479	0.529
27	13	0.430	0.479	0.530
28	22	0.430	0.479	0.531
29	22	0.430	0.479	0.532
30	16	0.429	0.479	0.532
31	19	0.429	0.479	0.533
32	24	0.428	0.479	0.534
33	21	0.428	0.479	0.535
34	18	0.427	0.480	0.535
35	16	0.427	0.480	0.536
36	18	0.427	0.480	0.537