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Organisatorisk plassering: Helse Bergen HF/Kvinneklubben/Seksjon for fostermedisin og ultralyd	Versjon: 3.02
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Gestation [weeks]	Percentile								
	50	2.5	5	10	25	75	90	95	97.5
21	59.3	46.2	48.0	50.2	54.3	65.1	70.9	74.8	78.5
22	61.8	48.3	50.1	52.4	56.6	67.6	73.7	77.7	81.4
23	63.9	50.1	52.0	54.3	58.6	69.9	76.1	80.1	83.9
24	65.7	51.6	53.5	55.9	60.3	71.9	78.2	82.3	86.2
25	67.2	52.8	54.8	57.2	61.7	73.5	79.9	84.2	88.1
26	68.5	53.8	55.8	58.3	62.8	74.9	81.4	85.7	89.7
27	69.5	54.5	56.6	59.1	63.8	76.0	82.7	87.1	91.1
28	70.3	55.1	57.2	59.7	64.4	76.9	83.7	88.1	92.3
29	70.8	55.4	57.6	60.2	64.9	77.6	84.5	89.0	93.2
30	71.2	55.6	57.7	60.4	65.2	78.0	85.0	89.7	94.0
31	71.4	55.6	57.8	60.5	65.3	78.3	85.4	90.1	94.5
32	71.4	55.5	57.7	60.4	65.3	78.5	85.7	90.4	94.9
33	71.4	55.3	57.5	60.2	65.2	78.5	85.8	90.6	95.1
34	71.2	55.0	57.2	59.9	64.9	78.3	85.7	90.6	95.2
35	70.8	54.6	56.8	59.5	64.5	78.1	85.5	90.5	95.1
36	70.4	54.1	56.3	59.1	64.1	77.7	85.2	90.3	94.9
37	70.0	53.6	55.8	58.6	63.6	77.3	84.9	89.9	94.7
38	69.4	53.0	55.2	58.0	63.0	76.8	84.4	89.5	94.3
39	68.8	52.4	54.6	57.4	62.4	76.2	83.9	89.0	93.8

Table 1. Longitudinal reference ranges for peak-systolic velocity (S) in the ductus venosus [cm/s] based on 547 observations in 160 low-risk pregnancies

Gestation [weeks]	Percentile								
	50	2.5	5	10	25	75	90	95	97.5
21	31.0	15.8	18.1	20.8	25.5	36.7	42.0	45.3	48.1
22	32.5	17.1	19.4	22.2	27.0	38.3	43.6	46.9	49.8
23	33.9	18.3	20.6	23.4	28.3	39.7	45.1	48.4	51.2
24	35.1	19.3	21.7	24.5	29.4	40.9	46.3	49.6	52.5
25	36.1	20.3	22.7	25.5	30.5	42.0	47.5	50.8	53.7
26	37.1	21.1	23.5	26.4	31.4	43.0	48.4	51.8	54.7
27	37.9	21.8	24.3	27.2	32.1	43.8	49.3	52.7	55.6
28	38.6	22.5	24.9	27.8	32.8	44.6	50.1	53.4	56.4
29	39.3	23.0	25.5	28.4	33.5	45.2	50.8	54.1	57.1
30	39.8	23.5	26.0	29.0	34.0	45.8	51.4	54.7	57.7
31	40.3	24.0	26.5	29.4	34.5	46.3	51.9	55.3	58.2
32	40.8	24.4	26.9	29.8	34.9	46.8	52.3	55.7	58.7
33	41.1	24.7	27.2	30.2	35.3	47.2	52.7	56.1	59.1
34	41.5	25.0	27.5	30.5	35.6	47.5	53.1	56.5	59.5
35	41.7	25.3	27.8	30.8	35.9	47.8	53.4	56.8	59.8
36	42.0	25.5	28.0	31.0	36.1	48.0	53.6	57.1	60.1
37	42.2	25.7	28.2	31.2	36.3	48.3	53.9	57.3	60.3
38	42.4	25.8	28.4	31.3	36.5	48.4	54.0	57.5	60.5
39	42.5	25.9	28.5	31.5	36.6	48.6	54.2	57.6	60.6

Table 2. Longitudinal reference ranges for end-diastolic velocity (A) in the ductus venosus [cm/s] based on 547 observations in 160 low-risk pregnancies.

Gestation [weeks]	Percentile								
	50	2.5	5	10	25	75	90	95	97.5
21	50.3	35.2	37.6	40.3	45.0	55.6	60.4	63.3	65.9
22	52.1	36.9	39.3	42.1	46.8	57.4	62.2	65.2	67.7
23	53.6	38.4	40.8	43.6	48.3	58.9	63.8	66.7	69.3
24	54.9	39.7	42.1	44.9	49.6	60.3	65.1	68.1	70.6
25	56.0	40.7	43.1	45.9	50.7	61.4	66.3	69.2	71.8
26	56.9	41.6	44.0	46.8	51.6	62.3	67.2	70.1	72.7
27	57.7	42.4	44.8	47.6	52.4	63.1	68.0	70.9	73.5
28	58.3	43.0	45.4	48.2	53.0	63.7	68.6	71.6	74.2
29	58.9	43.5	45.9	48.7	53.5	64.3	69.2	72.1	74.7
30	59.3	43.9	46.3	49.2	53.9	64.7	69.6	72.5	75.1
31	59.6	44.2	46.6	49.5	54.3	65.0	69.9	72.9	75.5
32	59.8	44.4	46.9	49.7	54.5	65.3	70.2	73.1	75.7
33	60.0	44.6	47.0	49.9	54.7	65.4	70.4	73.3	75.9
34	60.1	44.7	47.2	50.0	54.8	65.5	70.5	73.4	76.0
35	60.2	44.8	47.2	50.0	54.8	65.6	70.5	73.5	76.0
36	60.2	44.8	47.2	50.0	54.8	65.6	70.5	73.5	76.0
37	60.1	44.7	47.2	50.0	54.8	65.5	70.5	73.4	76.0
38	60.0	44.6	47.1	49.9	54.7	65.5	70.4	73.3	75.9
39	59.9	44.5	47.0	49.8	54.6	65.3	70.3	73.2	75.8

Table 3. Longitudinal reference ranges for time-averaged maximum velocity (TAMXV) in the ductus venosus [cm/s] based on 547 observations in 160 low-risk pregnancies.

Gestation [weeks]	Percentile								
	50	2.5	5	10	25	75	90	95	97.5
21	0.57	0.27	0.32	0.38	0.47	0.68	0.77	0.83	0.88
22	0.57	0.28	0.32	0.38	0.47	0.68	0.77	0.83	0.88
23	0.57	0.28	0.32	0.38	0.47	0.68	0.77	0.83	0.88
24	0.57	0.27	0.32	0.38	0.47	0.68	0.77	0.83	0.88
25	0.57	0.27	0.32	0.37	0.47	0.67	0.77	0.83	0.88
26	0.57	0.27	0.31	0.37	0.46	0.67	0.77	0.82	0.87
27	0.56	0.26	0.31	0.36	0.46	0.67	0.76	0.82	0.87
28	0.56	0.26	0.31	0.36	0.45	0.66	0.76	0.81	0.86
29	0.55	0.25	0.30	0.35	0.45	0.65	0.75	0.81	0.86
30	0.54	0.25	0.29	0.35	0.44	0.65	0.74	0.80	0.85
31	0.53	0.24	0.28	0.34	0.43	0.64	0.73	0.79	0.84
32	0.53	0.23	0.28	0.33	0.42	0.63	0.73	0.78	0.83
33	0.52	0.22	0.27	0.32	0.41	0.62	0.72	0.77	0.82
34	0.51	0.21	0.26	0.31	0.40	0.61	0.71	0.76	0.81
35	0.50	0.20	0.25	0.30	0.39	0.60	0.70	0.75	0.80
36	0.49	0.19	0.24	0.29	0.38	0.59	0.69	0.74	0.79
37	0.48	0.18	0.23	0.28	0.37	0.58	0.67	0.73	0.78
38	0.46	0.17	0.22	0.27	0.36	0.57	0.66	0.72	0.77
39	0.45	0.16	0.21	0.26	0.35	0.56	0.65	0.71	0.76

Table 4. Longitudinal reference ranges for the pulsatility index for veins (PIV) of the ductus venosus based on 547 observations in 160 low-risk pregnancies.

Gestation [weeks]	Percentile								
	50	2.5	5	10	25	75	90	95	97.5
21	0.84	0.74	0.75	0.77	0.81	0.88	0.91	0.93	0.95
22	0.84	0.73	0.75	0.77	0.80	0.87	0.91	0.93	0.94
23	0.83	0.72	0.74	0.76	0.80	0.87	0.90	0.92	0.94
24	0.83	0.72	0.74	0.76	0.79	0.86	0.90	0.92	0.94
25	0.83	0.72	0.74	0.76	0.79	0.86	0.90	0.92	0.93
26	0.82	0.72	0.73	0.75	0.79	0.86	0.89	0.91	0.93
27	0.82	0.72	0.73	0.75	0.79	0.86	0.89	0.91	0.93
28	0.82	0.72	0.73	0.75	0.79	0.86	0.89	0.91	0.93
29	0.82	0.72	0.73	0.75	0.79	0.86	0.89	0.91	0.93
30	0.82	0.72	0.73	0.75	0.79	0.86	0.89	0.91	0.93
31	0.83	0.72	0.74	0.76	0.79	0.86	0.90	0.92	0.93
32	0.83	0.72	0.74	0.76	0.79	0.86	0.90	0.92	0.93
33	0.83	0.72	0.74	0.76	0.79	0.87	0.90	0.92	0.94
34	0.83	0.73	0.74	0.76	0.80	0.87	0.90	0.92	0.94
35	0.84	0.73	0.75	0.77	0.80	0.87	0.91	0.93	0.94
36	0.84	0.74	0.75	0.77	0.81	0.88	0.91	0.93	0.95
37	0.85	0.74	0.76	0.78	0.81	0.88	0.92	0.94	0.95
38	0.85	0.75	0.76	0.78	0.82	0.89	0.92	0.94	0.96
39	0.86	0.75	0.77	0.79	0.82	0.89	0.93	0.95	0.96

Table 5. Longitudinal reference ranges for the Perfusion index (PFI) of the ductus venosus based on 547 observations in 160 low-risk pregnancies.