



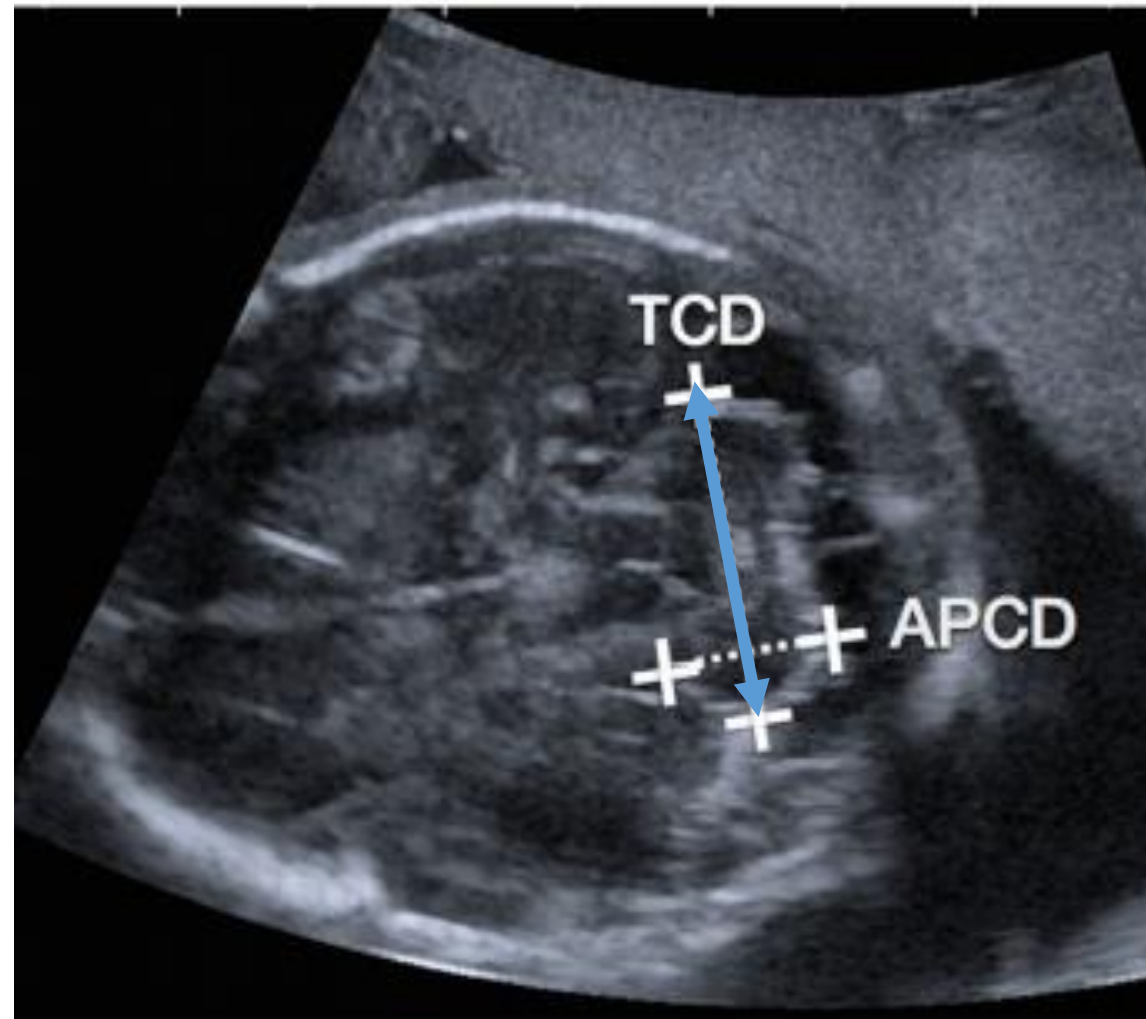
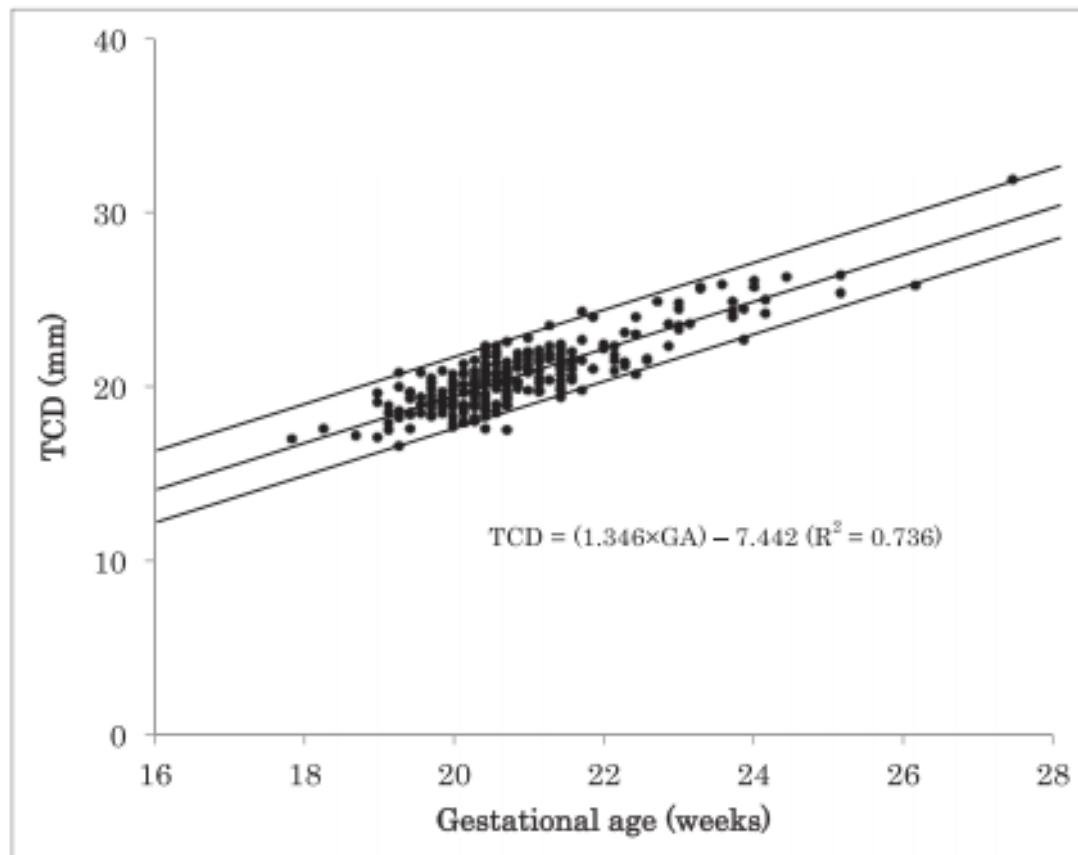
CALIPER
Escola de Imagem

Tabelas Neurossonografia

Professor: Marcelo Monteiro

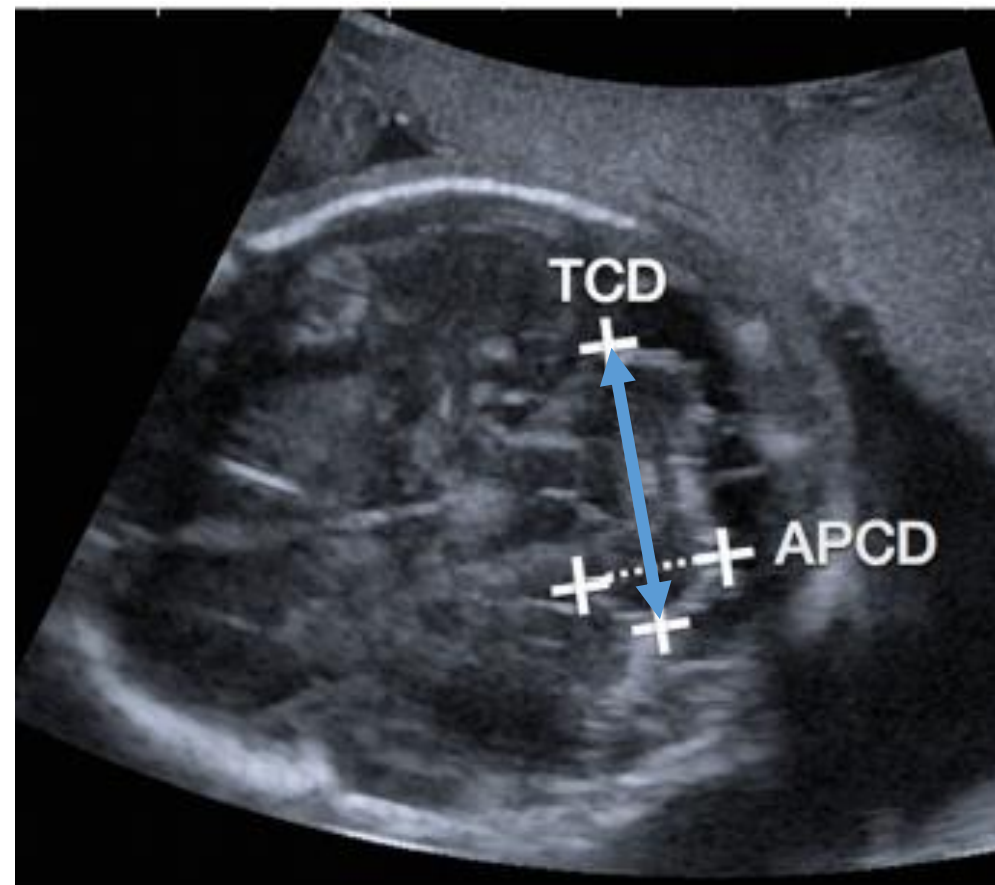
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Biometrias: Diâmetro Cerebelar Transverso



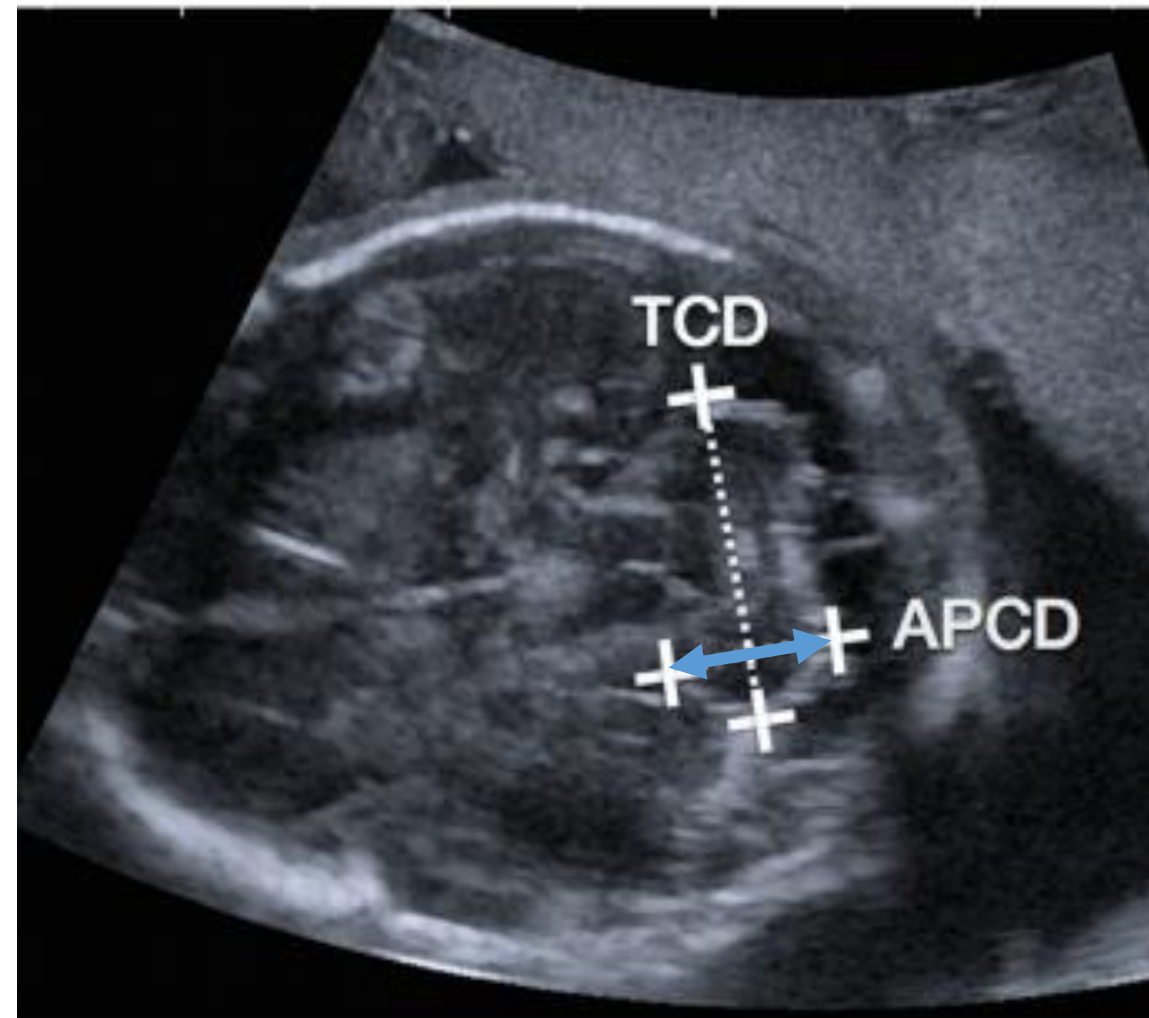
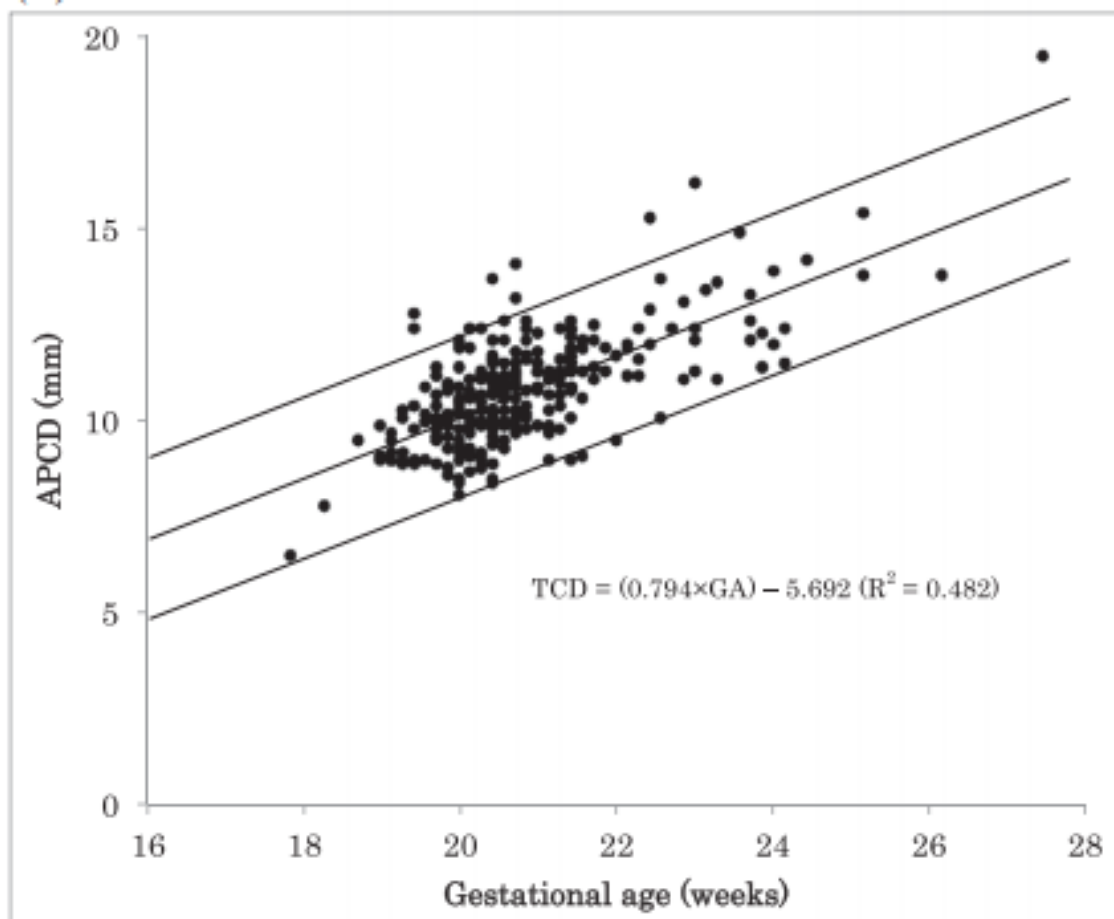
Biometrias: Diâmetro Cerebelar Transverso

	Predicted trans-cerebellar diameter						
Gestational age							
(exact weeks)	C3	C5	C10	C50	C80	C95	C97
14	11.86	12.00	12.22	13.00	13.77	13.99	14.14
15	12.82	13.13	13.38	14.13	15.00	15.23	15.39
16	14.11	14.27	14.62	15.33	16.26	16.49	16.66
17	15.28	15.43	15.89	16.61	17.63	17.78	17.96
18	16.42	16.61	16.88	17.59	18.84	19.11	19.30
19	17.61	17.81	18.10	18.16	20.19	20.48	20.68
20	18.83	19.04	19.36	20.47	21.63	21.90	22.11
21	20.07	20.30	20.64	21.83	23.03	23.37	23.69
22	21.38	21.60	21.98	23.24	24.63	24.99	25.13
23	22.67	22.93	23.32	24.71	26.09	26.48	26.74
24	24.03	24.31	24.73	26.22	27.71	28.13	28.41
25	25.44	25.74	26.19	27.80	29.40	29.86	30.16
26	26.89	27.22	27.70	29.43	31.19	31.66	31.87
27	28.40	28.76	29.27	31.14	33.00	33.52	33.87
28	29.98	30.33	30.80	32.91	34.82	35.43	35.89
29	31.67	31.98	32.59	34.76	36.82	37.53	37.94
30	33.26	33.69	34.34	36.88	39.01	39.87	40.10
31	34.99	35.48	36.17	38.88	41.19	41.90	42.37
32	36.80	37.31	38.07	40.77	43.47	44.23	44.74
33	38.62	39.22	40.04	42.94	45.86	46.67	47.21
34	40.63	41.21	42.09	45.21	48.33	49.21	49.80
35	42.66	43.28	44.22	47.67	50.82	51.68	52.49
36	44.76	45.43	46.44	50.03	53.82	54.83	55.31
37	46.84	47.68	48.74	52.69	56.44	57.52	58.24
38	49.20	49.98	51.14	55.26	59.37	60.53	61.30
39	51.68	52.38	53.82	58.03	62.43	63.87	64.49
40	54.00	54.88	56.21	60.81	65.61	66.94	67.82

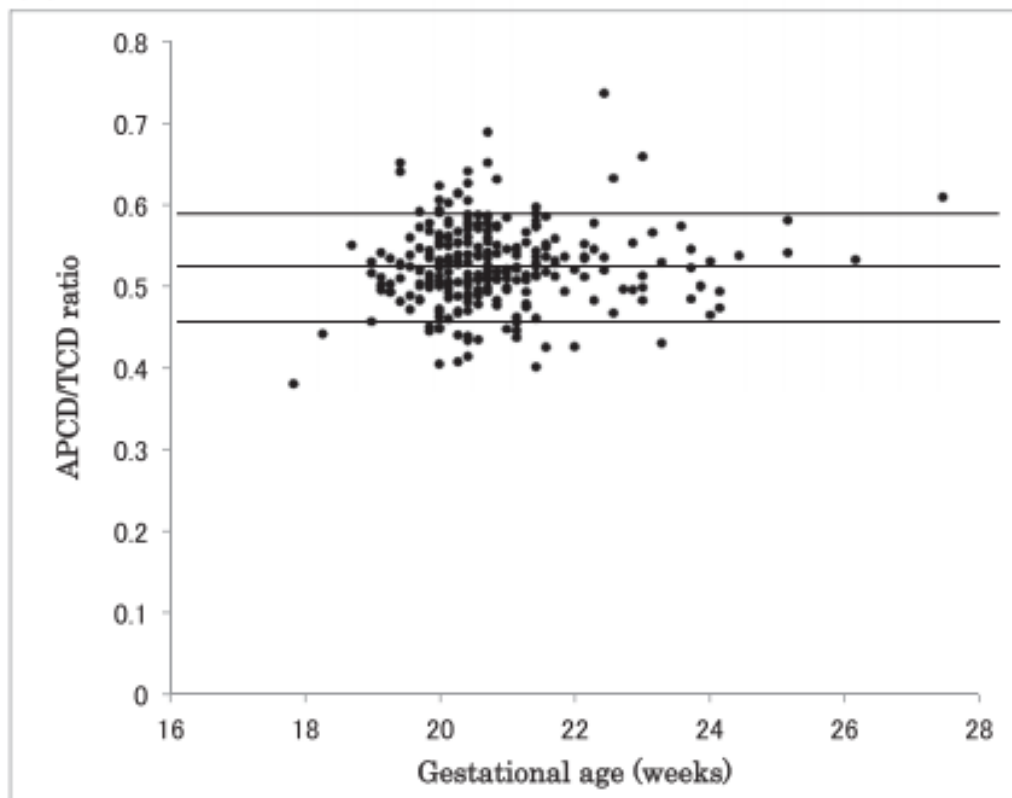


Biometrias:

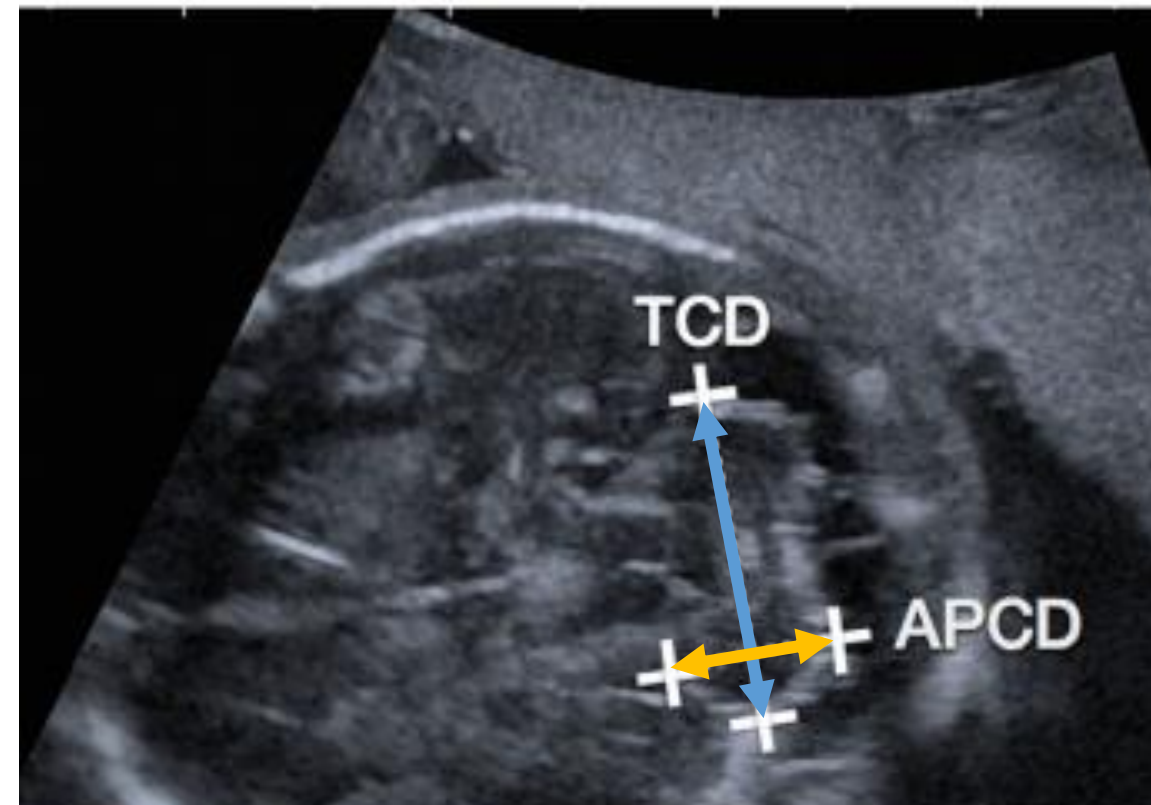
Diâmetro Cerebelar Antero-Posterior



Biometrias: Razão **DCAP/DCT**



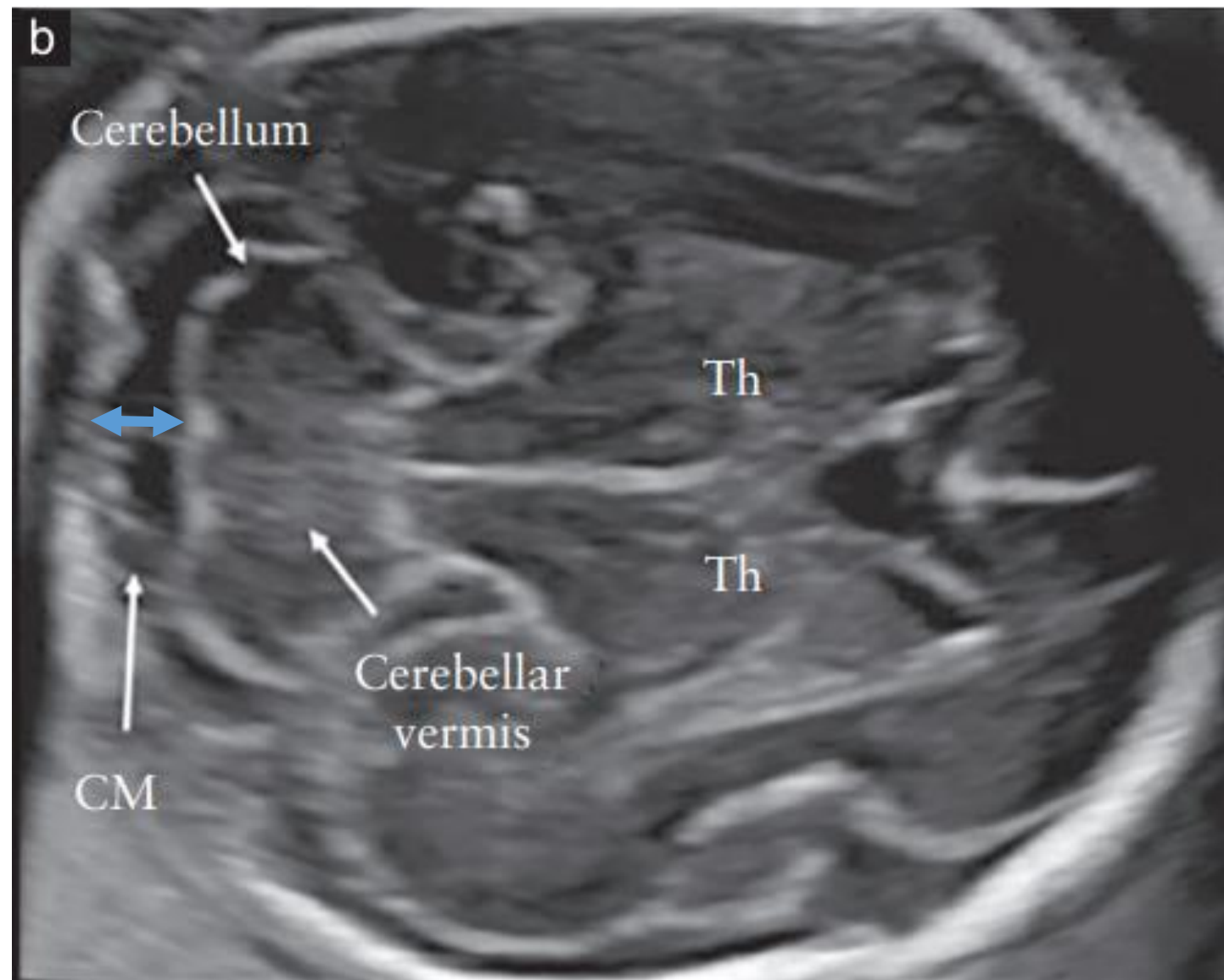
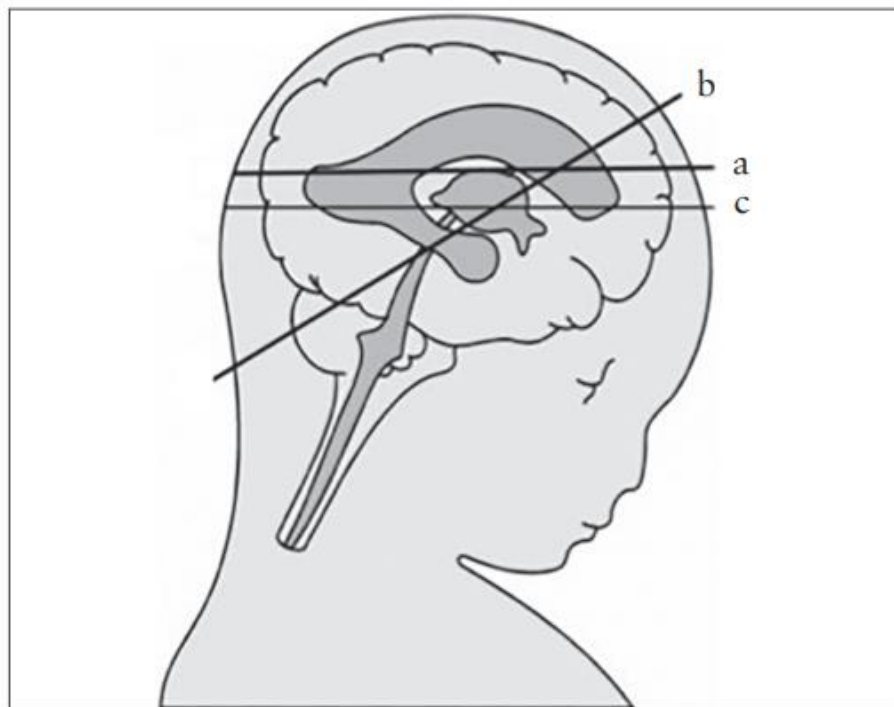
DCAP/DCT - Normal: $> 0,5$



	Percentiles				
	5th	10th	50th	90th	95th
APCD/TCD ratio	0.44	0.46	0.52	0.59	0.61

Biometrias: Cisterna Magna

Normal 2-10 mm



Biometrias: Espaços subaracnódeos

Distância Sinocortical

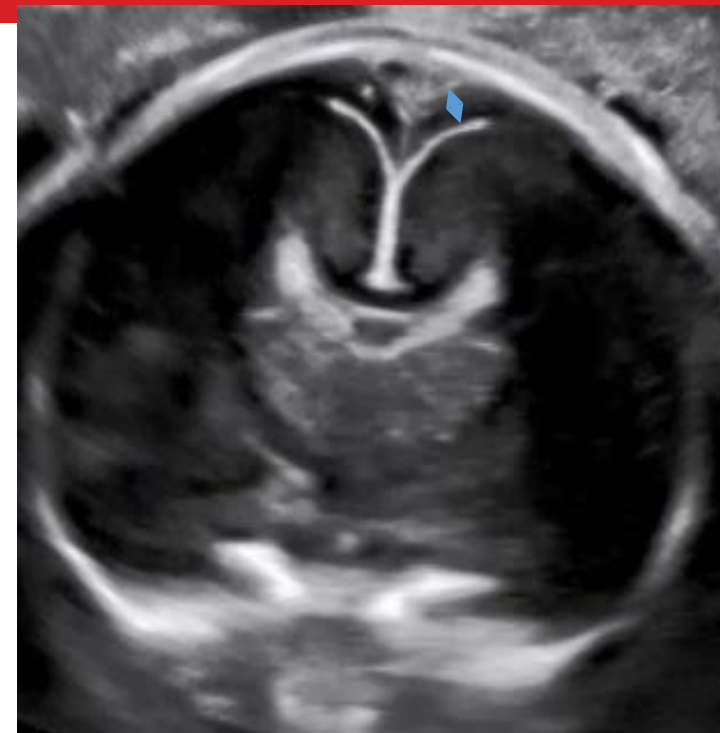


Table 1 Sonographic measurements of the sinocortical and anterior craniocortical width (mm)

GA (week)	N	Mean $\pm$ SD	Min –max	3rd %ile	10th %ile	50th %ile	90th %ile	97th %ile
SCW	135	1.55 $\pm$ 0.41	0.85–3.87	0.99	1.14	1.49	2.10	2.49
Anterior CCW	120	1.63 $\pm$ 0.39	0.85–2.82	0.87	1.15	1.62	2.19	2.38

SD standard deviation, *Min* minimum, *Max* maximum, *SCW* sinocortical width, *CCW* craniocortical width

Biometrias: Espaços subaracnódeos

Distância Craniocortical

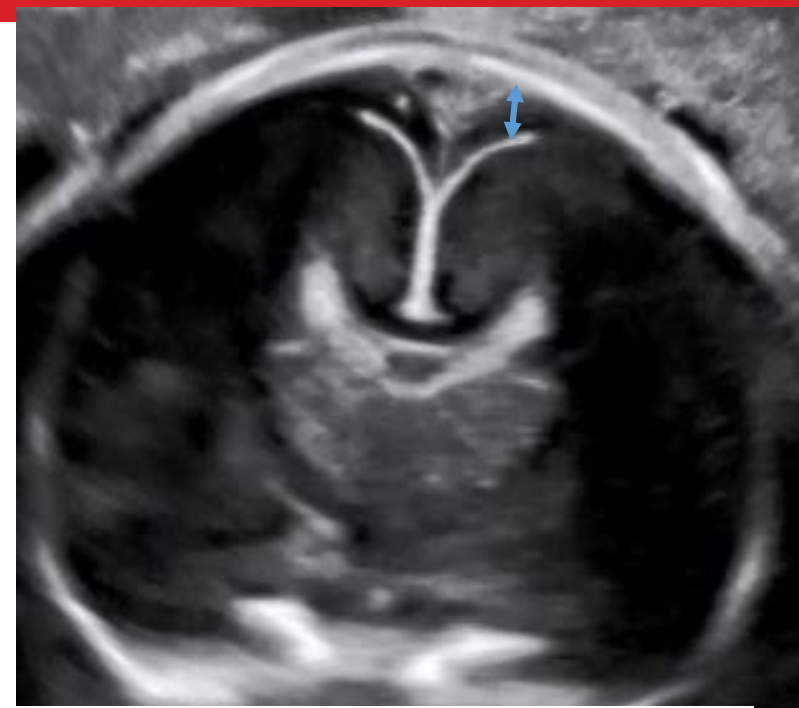


Table 1 Sonographic measurements of the sinocortical and anterior craniocortical width (mm)

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SCW	135	1.55 $\pm$ 0.41	0.85–3.87	0.99	1.14	1.49	2.10	2.49
Anterior CCW	120	1.63 $\pm$ 0.39	0.85–2.82	0.87	1.15	1.62	2.19	2.38

SD standard deviation, Min minimum, Max maximum, SCW sinocortical width, CCW craniocortical width

Biometrias: Espaços subaracnódeo

Distância crânio-cortical lateral



Table 2 Lateral craniocortical width (mm) according to gestational age

GA (week)	N	Mean $\pm$ SD	Min –max	3rd %ile	10th %ile	50th %ile	90th %ile	97th %ile
20–21	29	1.64 $\pm$ 0.37	0.81–2.42	0.81	1.09	1.64	2.06	2.42
22–23	39	2.10 $\pm$ 0.58	1.09–3.64	1.10	1.45	2.01	2.88	3.62
24–25	33	2.38 $\pm$ 0.67	1.33–4.00	1.33	1.49	2.27	3.51	3.99
26–27	28	3.12 $\pm$ 0.91	1.45–5.08	1.45	1.84	2.93	4.56	5.08
28–29	22	3.73 $\pm$ 1.01	1.94–5.82	1.94	2.54	3.51	5.42	5.82

SD standard deviation, *min* minimum, *max* maximum, *%ile* percentile

Biometrias: Espaços subaracnódeo

Distância crânio-cortical póstero-lateral

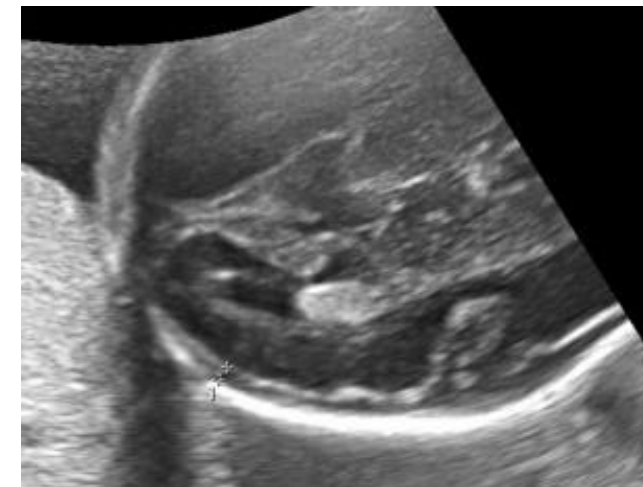


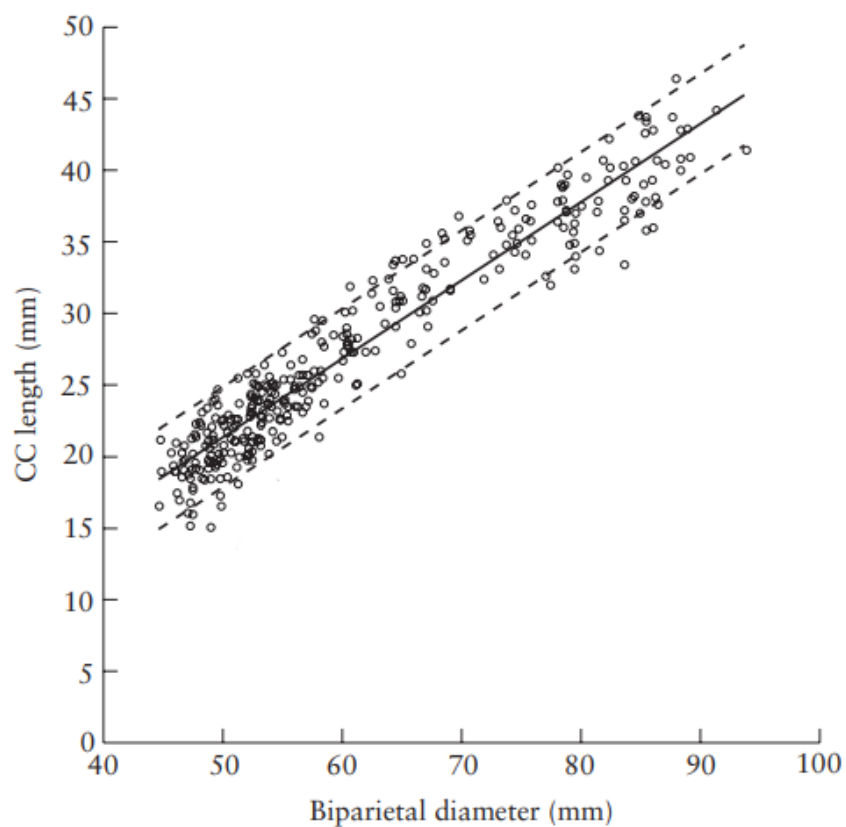
Table 3 Posterolateralcraniocortical width (mm) according to gestational age

GA (week)	N	Mean $\pm$ SD	Min –max	3rd %ile	10th %ile	50th %ile	90th %ile	97th %ile
20–21	25	1.46 $\pm$ 0.31	0.97–2.19	0.97	1.06	1.40	1.88	2.19
22–23	39	1.63 $\pm$ 0.36	0.95–2.57	0.96	1.19	1.61	2.88	2.55
24–25	32	1.64 $\pm$ 0.36	0.86–2.67	0.86	1.22	1.67	2.13	2.67
26–27	28	1.96 $\pm$ 0.57	1.15–3.95	1.15	1.51	1.89	2.91	3.95
28–29	24	2.28 $\pm$ 0.84	1.04–4.30	1.04	1.22	2.13	3.59	4.30

SD standard deviation, *min* minimum, *max* maximum, %ile percentile

Biometrias: Corpo caloso

Comprimento



Biometrias: Corpo caloso

Comprimento

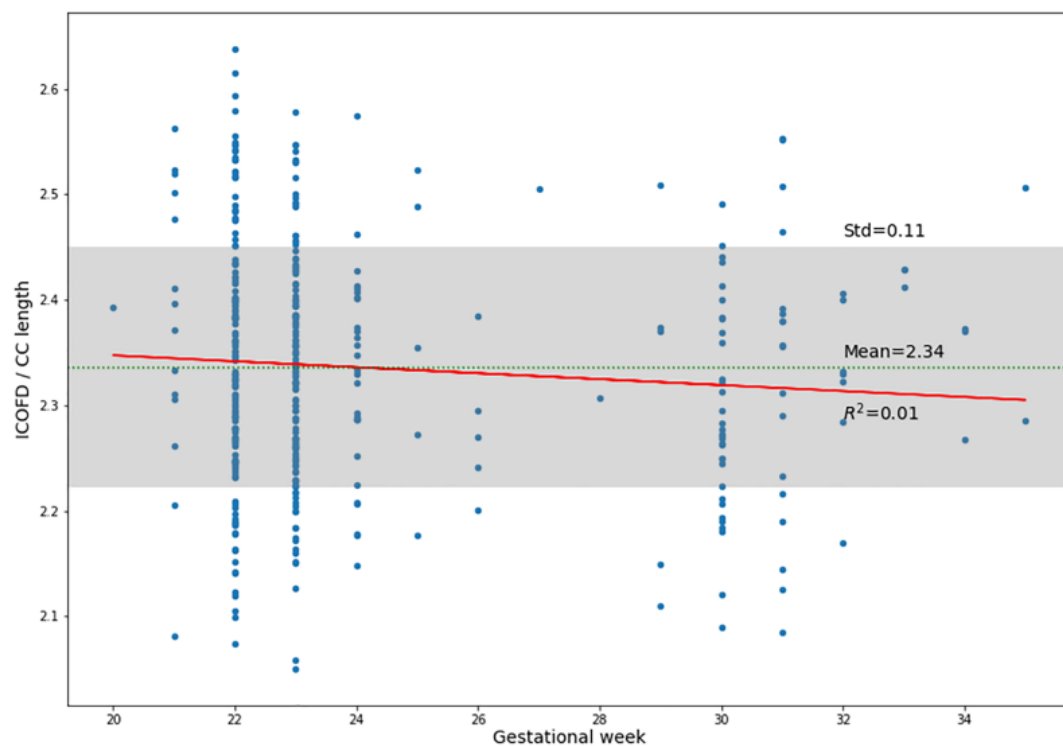
Table 2. Reference Table for Fetal Corpus Callosum Length (mm): Normal-Based Model

GA, wk+d	n	Quantile								
		0.01	0.05	0.10	0.25	0.50	0.75	0.90	0.95	0.99
19+0–19+6	7	15.98	16.89	17.38	18.19	19.10	20.00	20.81	21.30	22.21
20+0–20+6	75	17.69	18.67	19.19	20.06	21.02	21.99	22.86	23.38	24.36
21+0–21+6	1002	19.62	20.67	21.23	22.16	23.20	24.24	25.17	25.73	26.78
22+0–22+6	1322	21.46	22.59	23.19	24.19	25.30	26.41	27.41	28.01	29.13
23+0–23+6	217	23.23	24.42	25.06	26.13	27.31	28.50	29.56	30.20	31.39
24+0–24+6	31	24.91	26.18	26.85	27.98	29.24	30.50	31.63	32.30	33.57
25+0–25+6	34	26.49	27.83	28.55	29.75	31.07	32.40	33.60	34.31	35.66
26+0–26+6	26	27.98	29.39	30.15	31.41	32.81	34.21	35.47	36.23	37.64
27+0–27+6	29	29.36	30.85	31.65	32.97	34.45	35.92	37.25	38.04	39.53
28+0–28+6	24	30.64	32.20	33.03	34.42	35.97	37.52	38.91	39.74	41.30
29+0–29+6	33	31.80	33.44	34.31	35.76	37.38	39.00	40.46	41.33	42.97
30+0–30+6	33	32.84	34.55	35.46	36.99	38.68	40.37	41.89	42.80	44.51
31+0–31+6	43	33.76	35.55	36.50	38.08	39.85	41.61	43.20	44.15	45.93
32+0–32+6	38	34.56	36.41	37.40	39.05	40.89	42.72	44.38	45.37	47.22
33+0–33+6	20	35.21	37.14	38.17	39.89	41.80	43.70	45.42	46.45	48.38
34+0–34+6	6	35.73	37.73	38.80	40.58	42.56	44.54	46.33	47.39	49.40
35+0–35+6	4	36.10	38.18	39.29	41.13	43.19	45.24	47.09	48.19	50.27
36+0–36+6	3	36.33	38.48	39.62	41.54	43.66	45.79	47.70	48.85	50.99
37+0–37+6	3	36.40	38.62	39.80	41.78	43.98	46.18	48.16	49.34	51.56

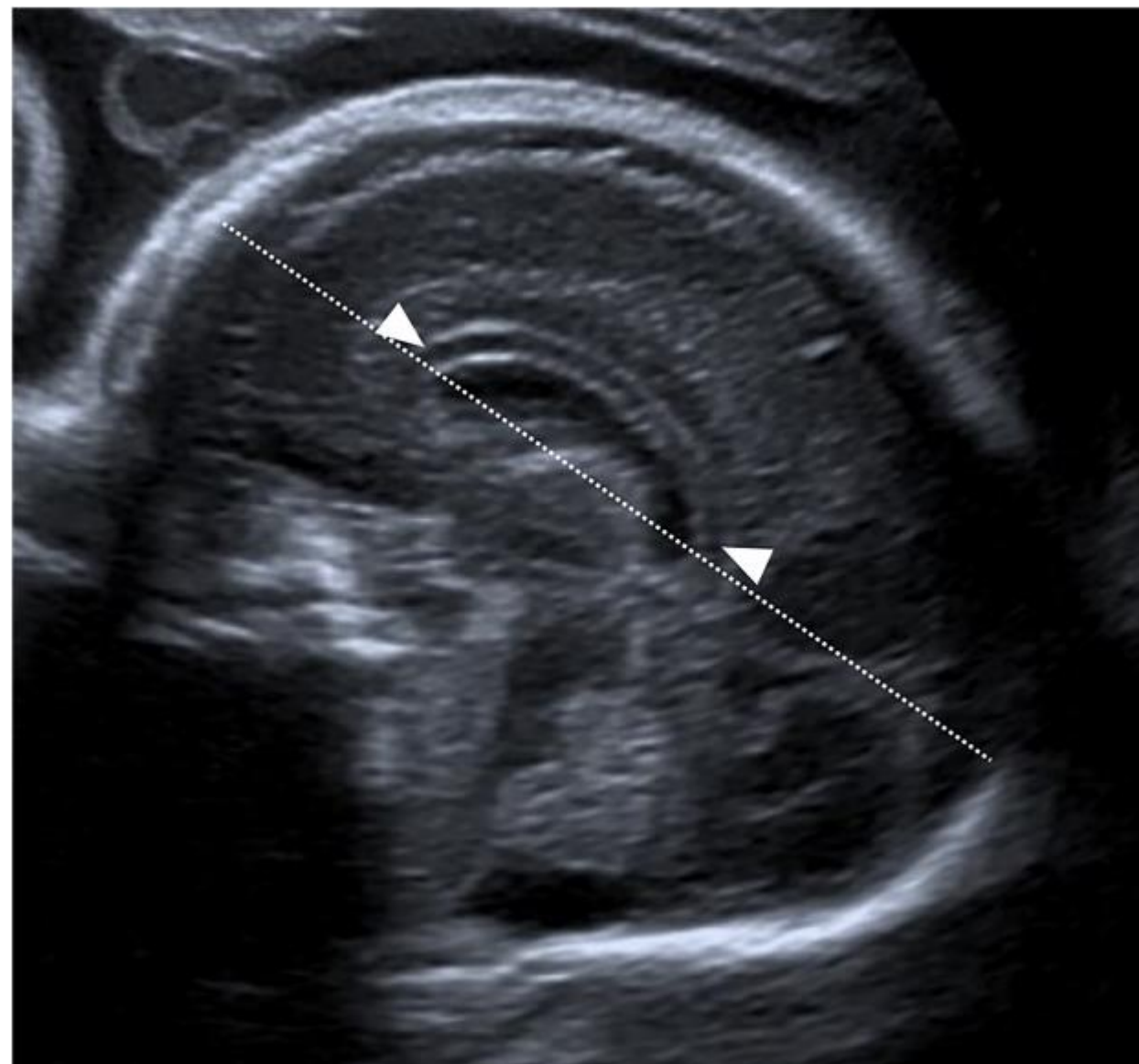


Biometrias: Corpo caloso

Razão DOF int/CC



Normal < 2,4



**Biometrias:
Corpo caloso**

Largura

Table 2 Width of fetal corpus callosum by gestational age

<i>Gestational age (weeks)</i>	<i>Observations (n)</i>	<i>Lower 95% CI</i>	<i>Mean width (mm)</i>	<i>Upper 95% CI</i>
16	4	1.61	2.38	3.14
17	8	2.08	2.63	3.17
18	7	2.82	3.99	5.15
19	18	3.80	4.18	4.55
20	21	3.93	4.43	4.93
21	21	4.40	5.02	5.64
22	18	4.56	4.99	5.43
23	22	4.90	5.39	5.88
24	18	5.49	6.16	6.83
25	23	5.26	5.68	6.11
26	18	5.74	6.40	7.06
27	12	5.72	6.69	7.66
28	9	6.50	7.19	7.88
29	10	5.35	6.18	7.01
30	12	6.45	7.16	7.87
31	10	5.92	6.63	7.34
32	7	5.43	6.61	7.80
33	4	4.81	6.58	8.34
34	6	5.90	7.32	8.73
35	5	5.43	7.16	8.89
36	2	5.60	8.60	8.80
37	3	2.98	7.67	12.36

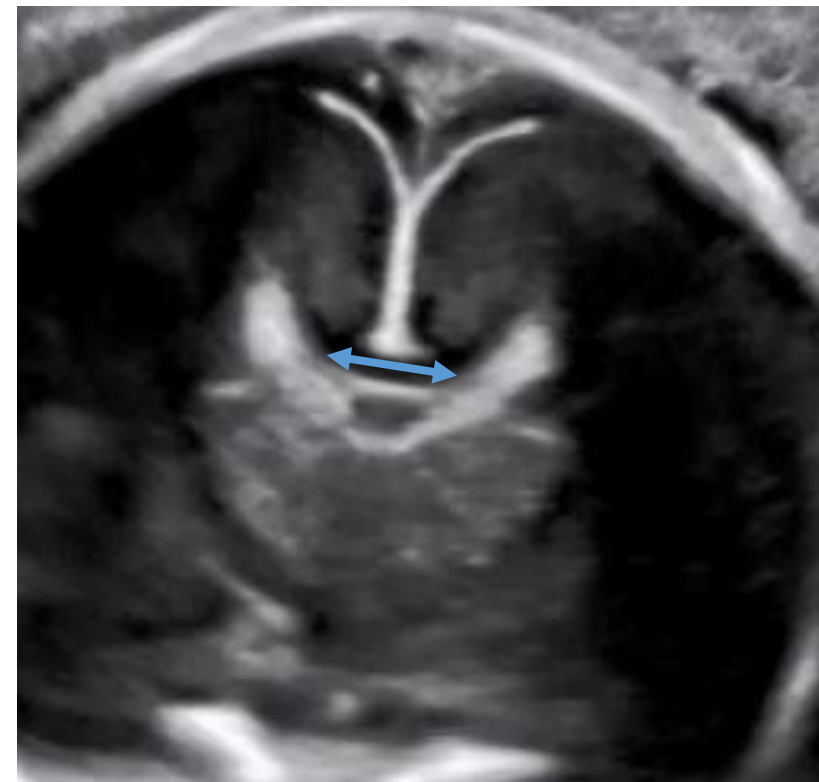
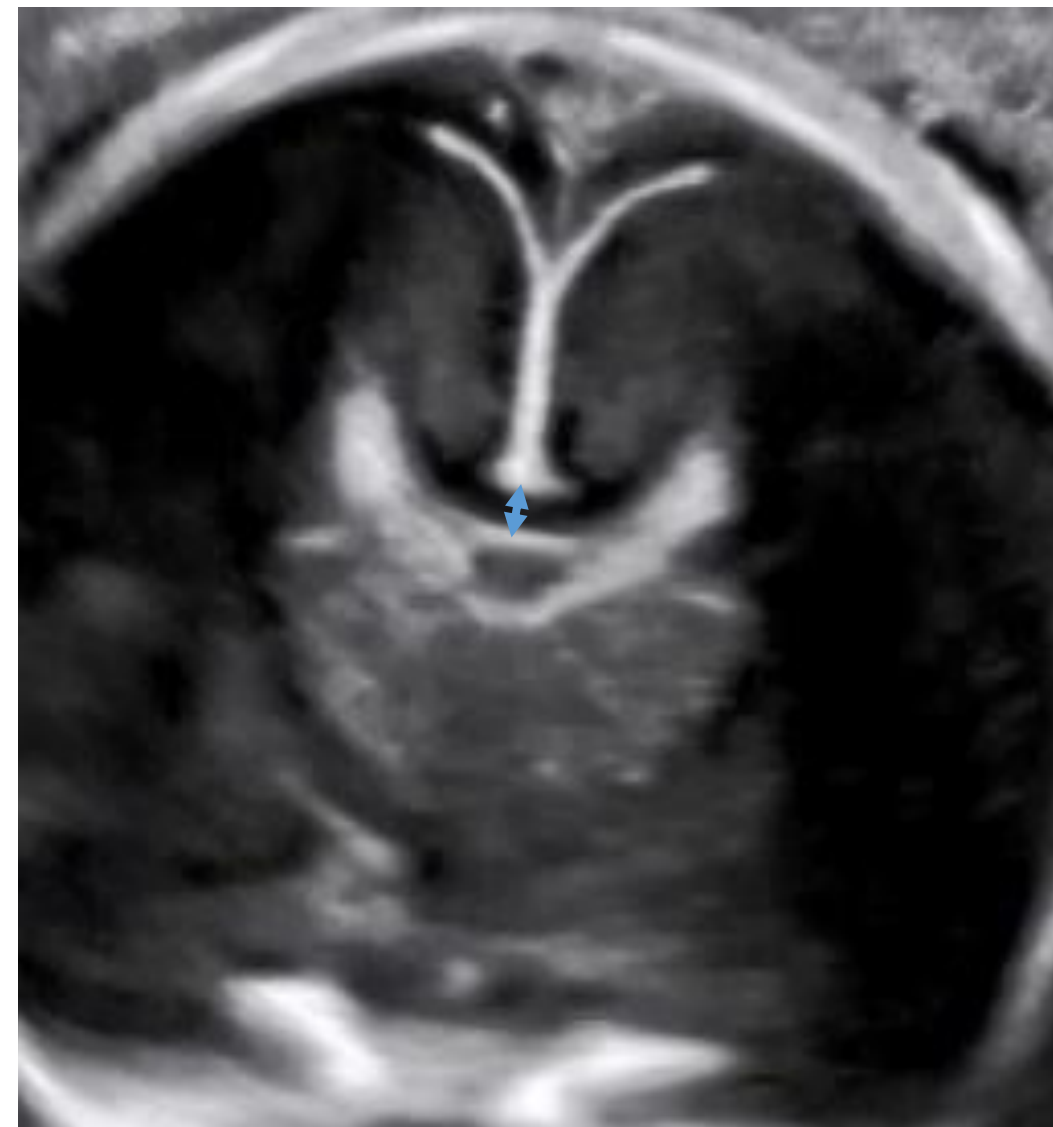


Table 3 Thickness of fetal corpus callosum by gestational age

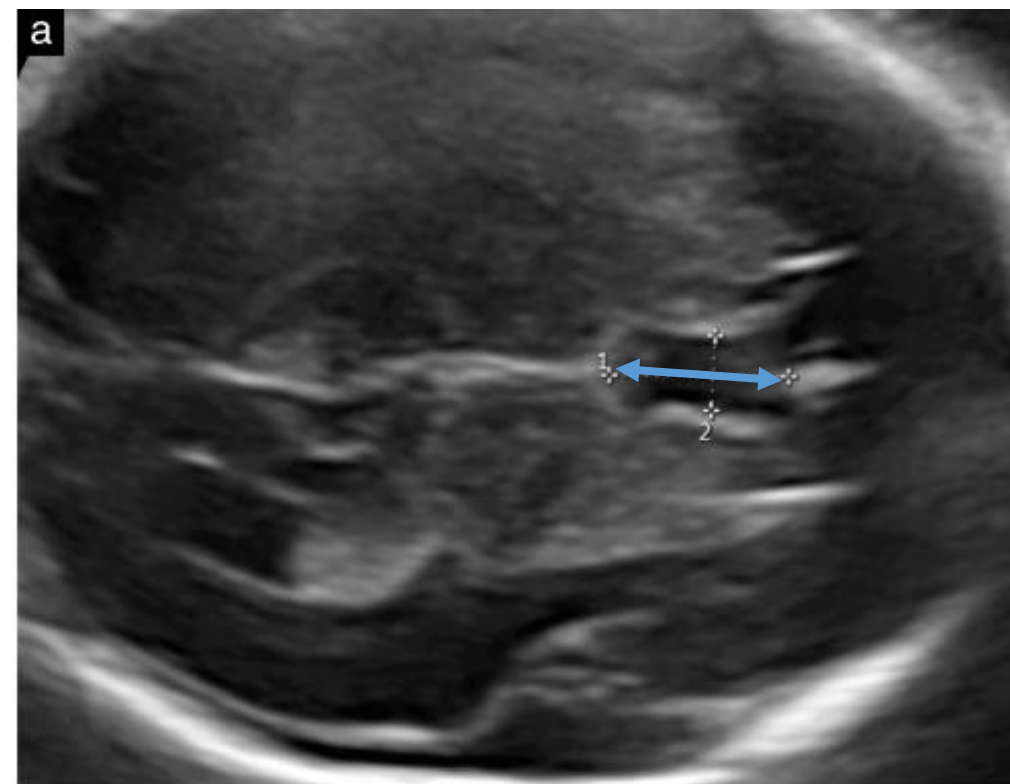
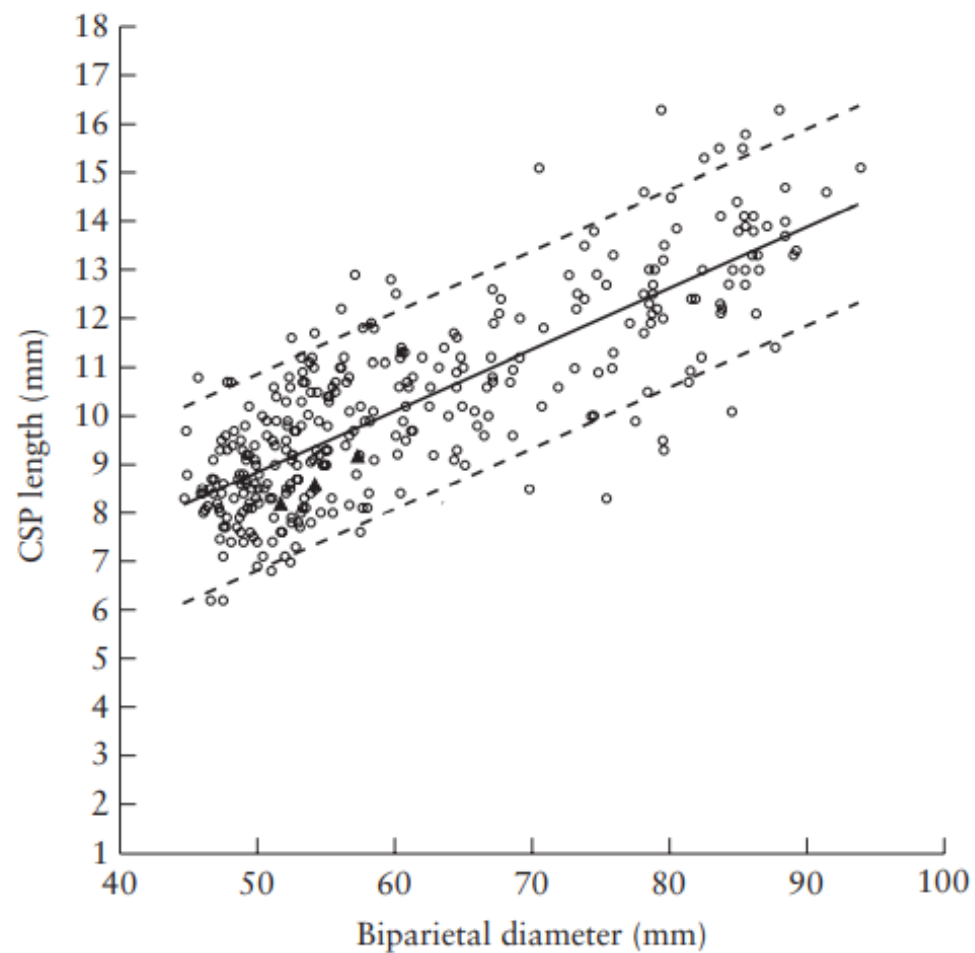
<i>Gestational age (weeks)</i>	<i>Observations (n)</i>	<i>Lower 95% CI</i>	<i>Mean thickness (mm)</i>	<i>Upper 95% CI</i>
16	4	0.42	0.75	1.08
17	8	0.58	1.12	1.32
18	7	1.12	1.30	1.48
19	18	1.03	1.13	1.24
20	21	1.31	1.47	1.63
21	21	1.60	1.73	1.86
22	18	1.82	2.00	2.18
23	22	1.87	2.04	2.20
24	18	1.90	2.07	2.24
25	23	1.89	2.11	2.34
26	18	1.87	2.09	2.31
27	12	1.94	2.14	2.35
28	9	1.66	2.14	2.63
29	10	1.73	1.99	2.25
30	12	2.04	2.35	2.66
31	10	1.93	2.37	2.81
32	7	1.96	2.66	3.36
33	4	2.13	2.75	3.37
34	6	2.20	2.62	3.03
35	5	2.21	2.76	3.31
36	2	2.20	2.50	3.00
37	3	1.98	2.27	2.55



Biometrias:
Corpo caloso
Espessura

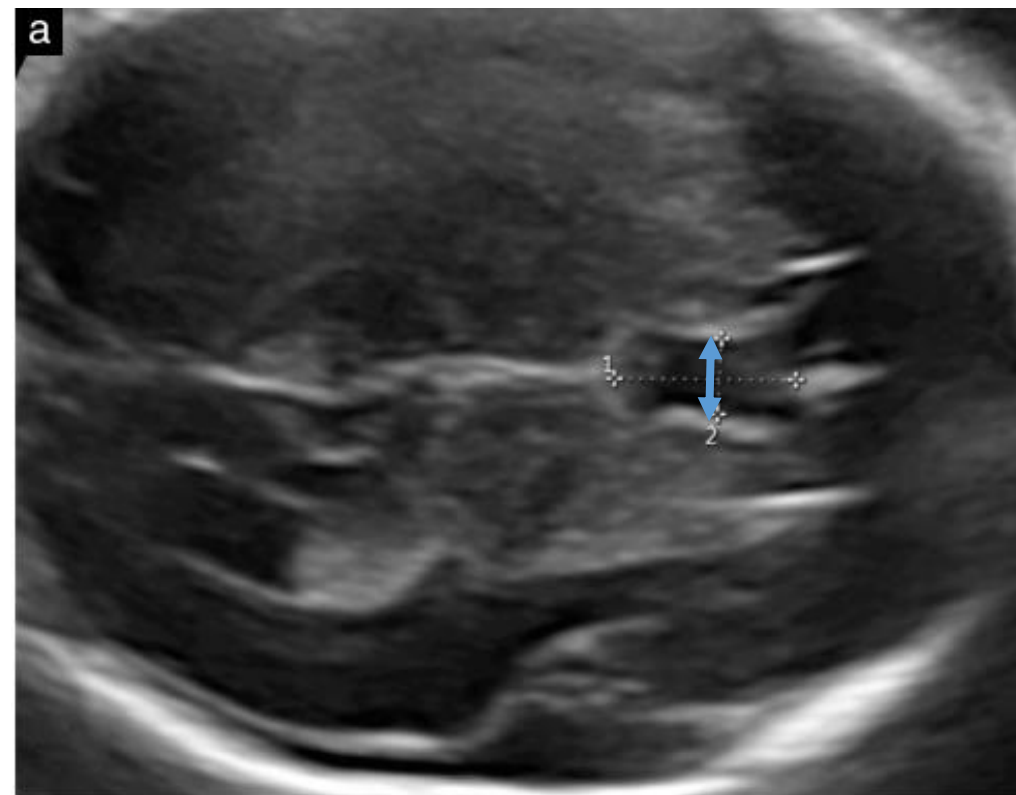
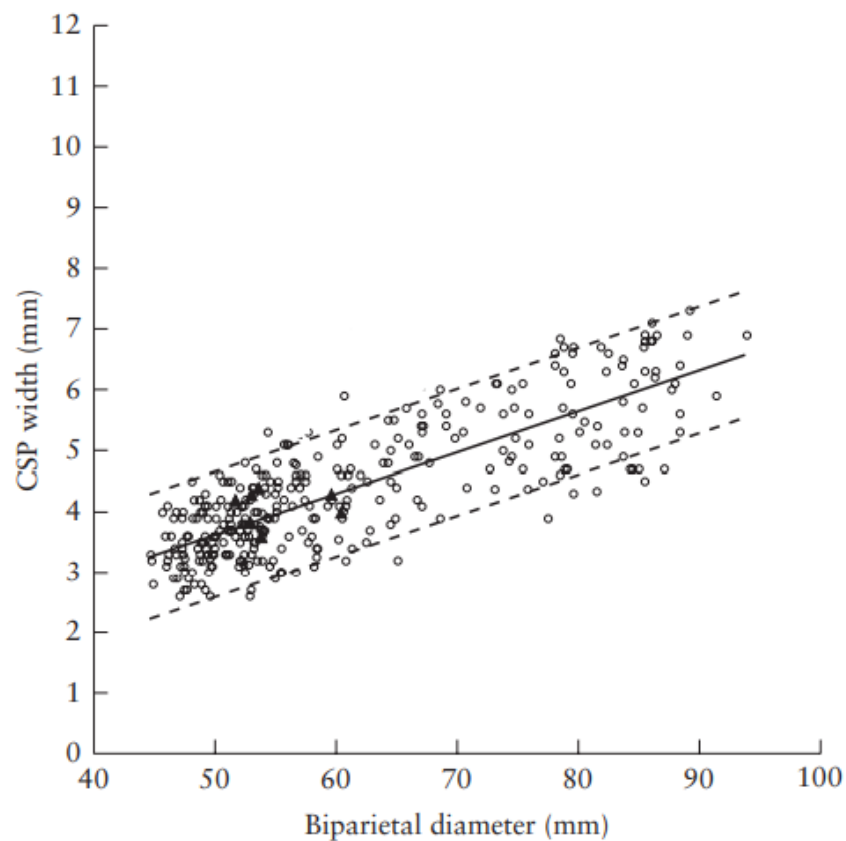
Biometrias: Cavum do septo pelúcido

Comprimento



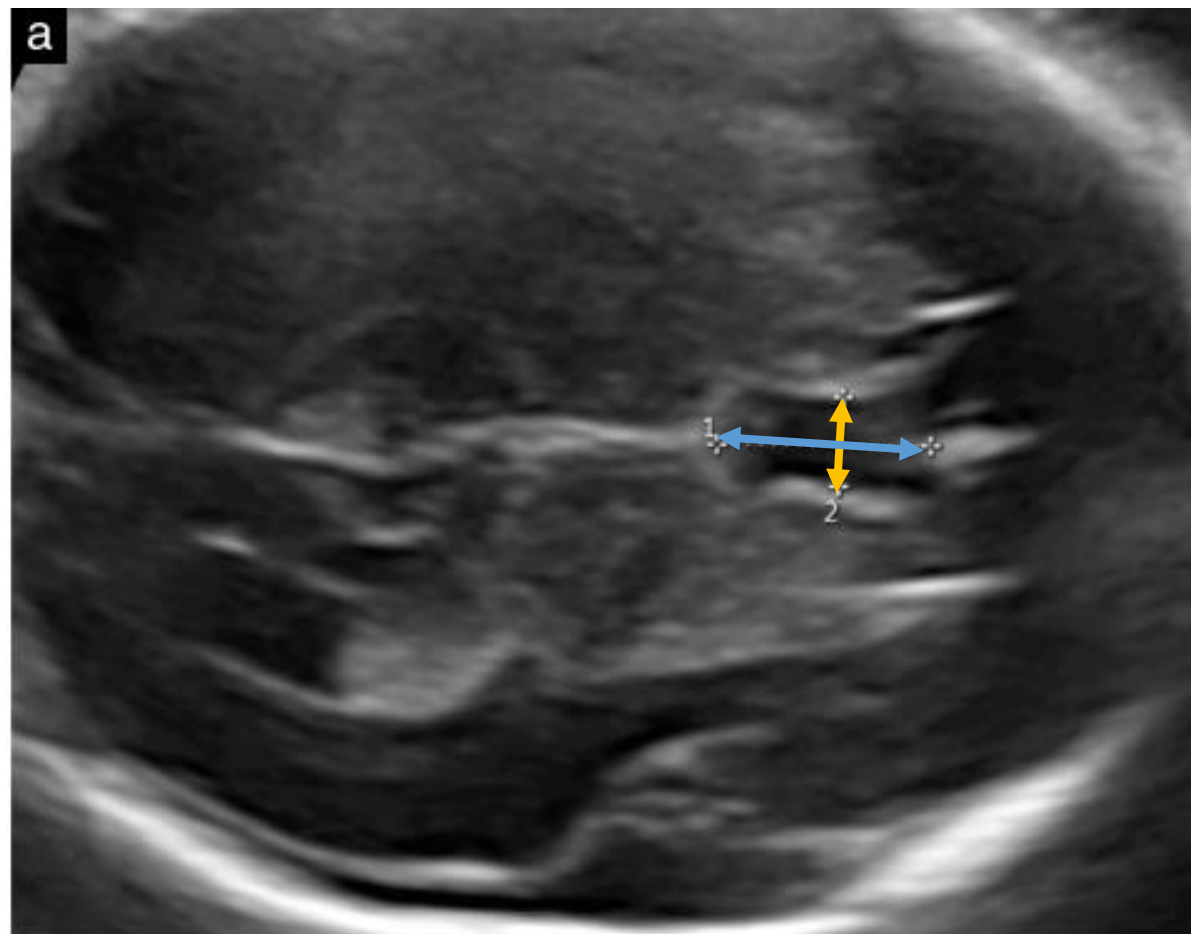
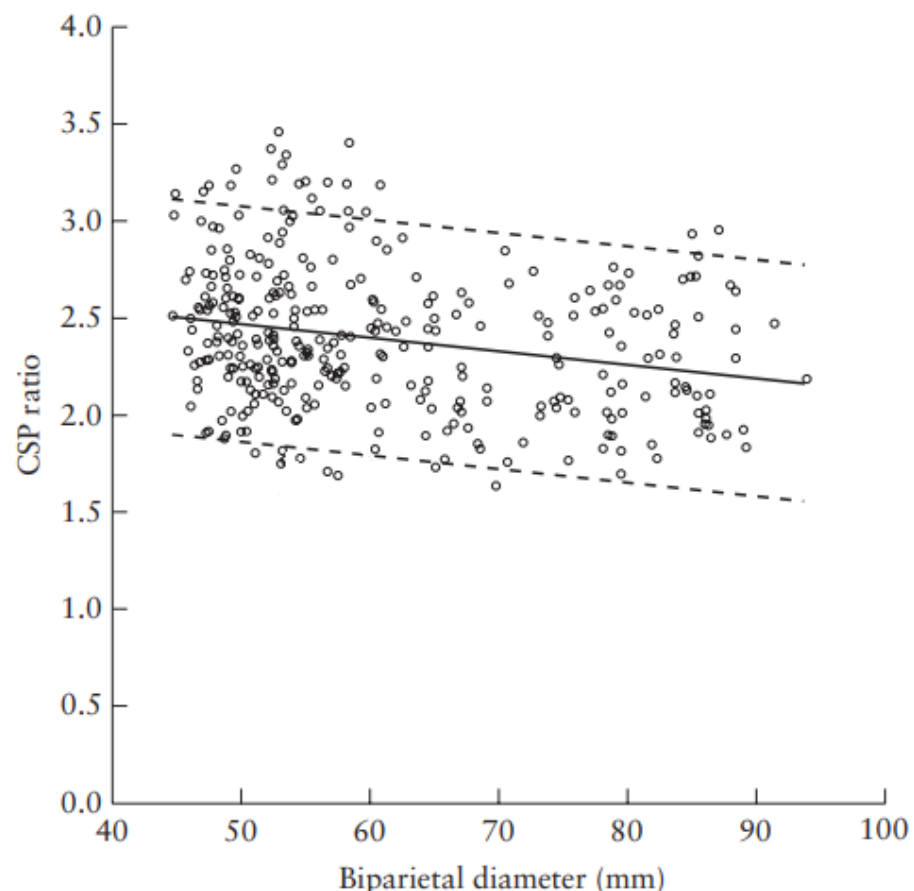
Biometrias: Cavum do septo pelúcido

Largura

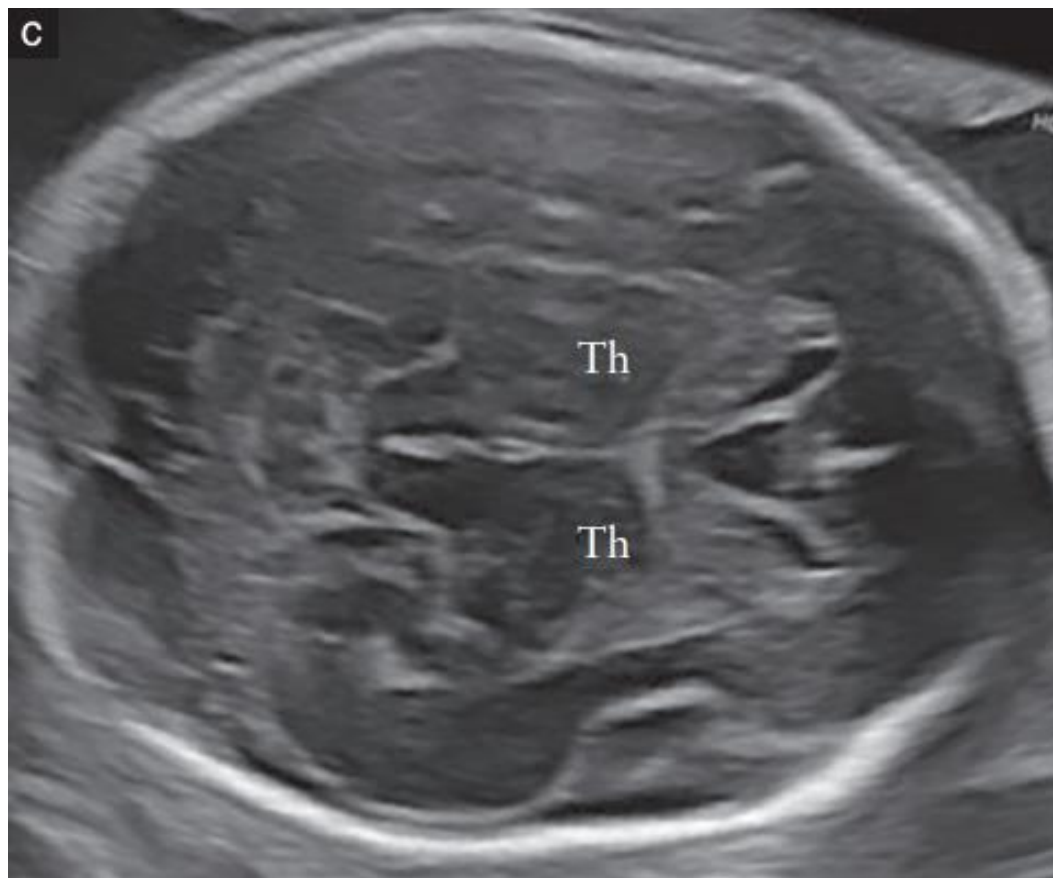


Biometrias: Cavum do septo pelúcido

Razão comprimento/largura



Biometrias: Terceiro ventrículo



Gestation age	<i>n</i>	3rd mm	10th mm	50th mm	90th mm	97th mm
12	10	1.0	1.0	1.0	1.0	1.0
13	11	1.0	1.0	1.0	1.1	1.1
14	14	1.0	1.0	1.1	1.2	1.2
15	13	1.0	1.0	1.1	1.2	1.2
16	21	1.0	1.0	1.2	1.3	1.3
17	16	1.0	1.1	1.2	1.3	1.4
18	28	1.2	1.2	1.3	1.4	1.5
19	30	1.2	1.3	1.4	1.5	1.6
20	17	1.2	1.2	1.4	1.5	1.6
21	19	1.3	1.3	1.4	1.6	1.6
22	16	1.3	1.3	1.5	1.6	1.7
23	23	1.3	1.3	1.5	1.7	1.7
24	15	1.3	1.3	1.5	1.6	1.7
25	18	1.4	1.4	1.5	1.8	1.9
26	20	1.4	1.4	1.5	1.8	2.0
27	21	1.5	1.5	1.7	1.9	2.0
28	20	1.4	1.5	1.6	2.0	2.1
29	17	1.6	1.6	1.8	2.2	2.3
30	15	1.7	1.7	1.9	2.2	2.3
31	32	1.8	1.8	2.0	2.4	2.5
32	9	2.0	2.0	2.0	2.5	2.5
33	10	2.0	2.0	2.5	2.5	2.6
34	8	2.3	2.3	2.5	2.7	2.7
35	10	2.4	2.4	2.5	2.6	2.7
36	8	2.5	2.5	2.6	2.7	2.7
37	11	2.5	2.5	2.7	2.8	2.8
38	15	2.9	2.9	3.0	3.2	3.2
39	14	3.0	3.0	3.2	3.4	3.5
40	13	3.0	3.1	3.4	3.6	3.6

Biometrias: Vérnis cerebelar

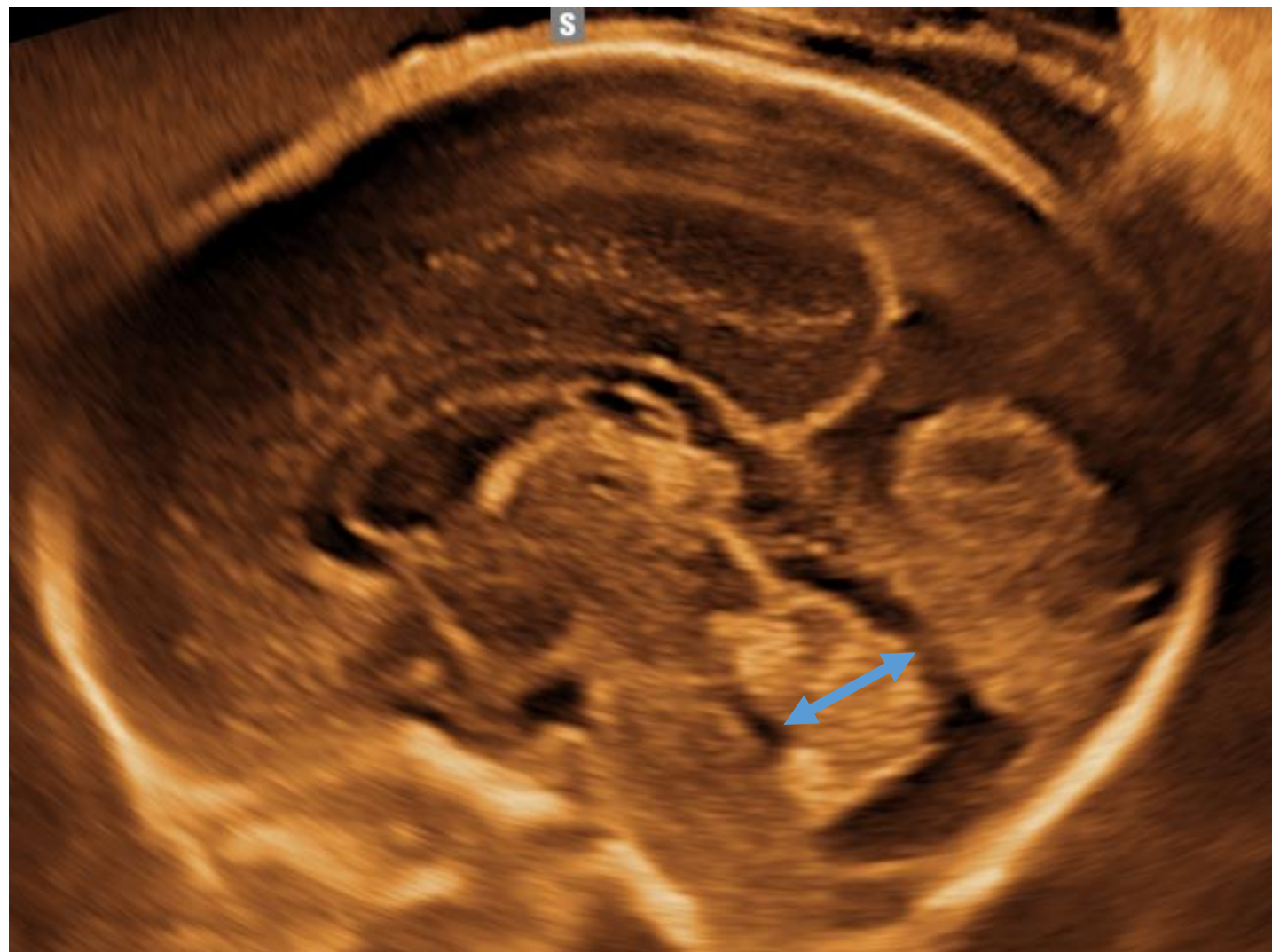
Distância supero-inferior

Gestational Age (wk)	US 2D		
	%5	Median	%95
21	10.69	11.95	12.57
22	10.42	12.72	14.40
23	11.71	12.79	13.84
24	13.33	13.79	14.82
25	13.85	15.17	16.66
26	13.75	16.09	18.45
27	14.05	17.07	18.78
28	16.08	17.09	19.72
29	17.29	18.72	20.33
30	17.83	18.56	19.62
31	18.03	19.34	20.75
32	17.68	19.33	20.59
33	16.78	20.93	22.94
34	19.11	20.38	23.34
35	19.62	21.75	24.29



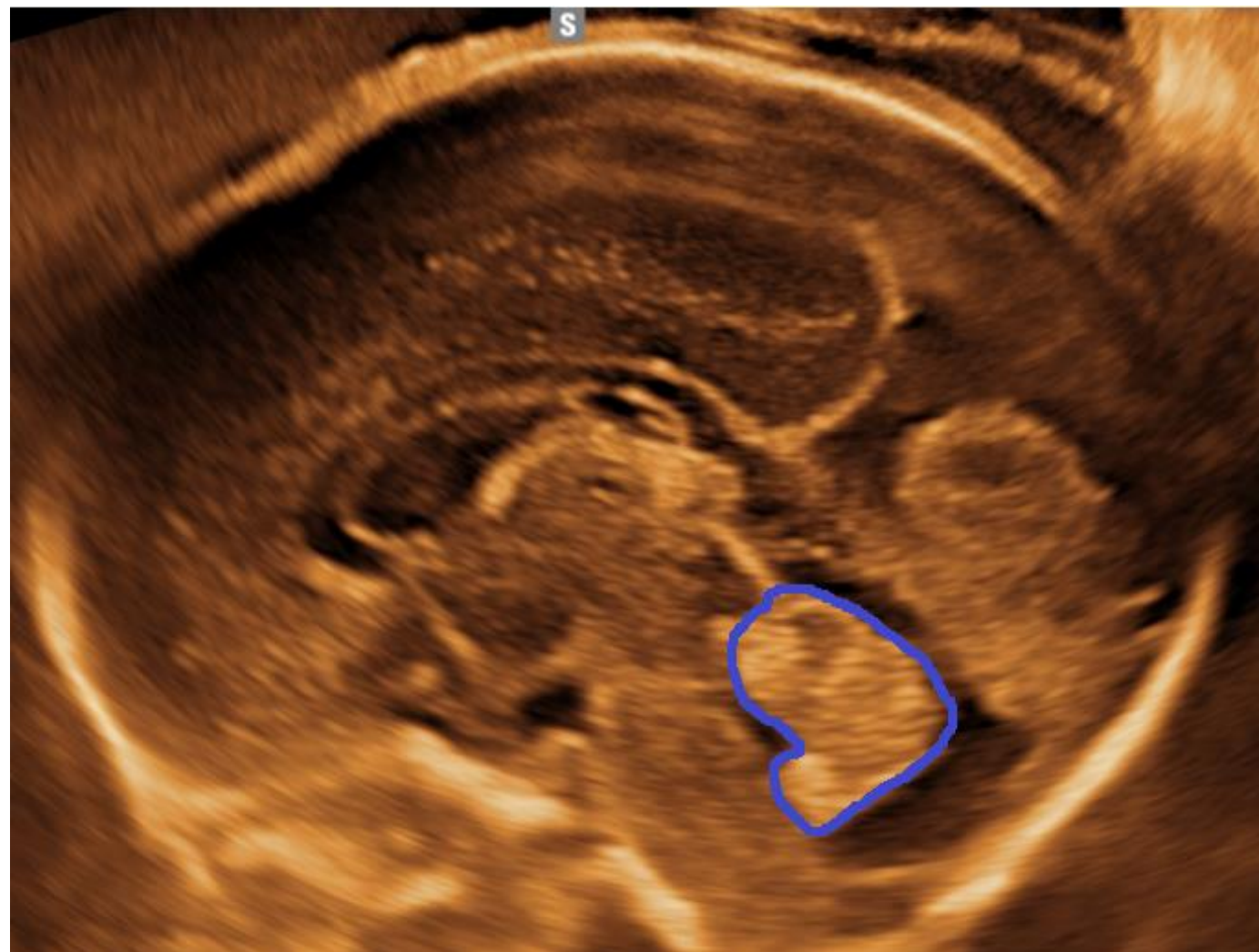
Biometrias: Vérnis cerebelar Distância Antero-Posterior

Gestational Age (wk)	US 2D		
	%5	Median	%95
21	7.08	7.79	8.71
22	7.51	9.51	10.62
23	7.27	8.72	10.25
24	8.96	9.49	10.64
25	9.58	10.73	13.17
26	8.76	11.28	14.17
27	10.06	11.44	12.69
28	10.75	12.32	14.94
29	10.09	12.61	15.01
30	11.06	13.36	14.94
31	12.69	14.01	15.81
32	11.93	13.87	17.38
33	12.63	15.11	17.83
34	12.36	15.94	17.82
35	13.84	16.40	17.40



Biometrias: Vérnis cerebelar Perímetro

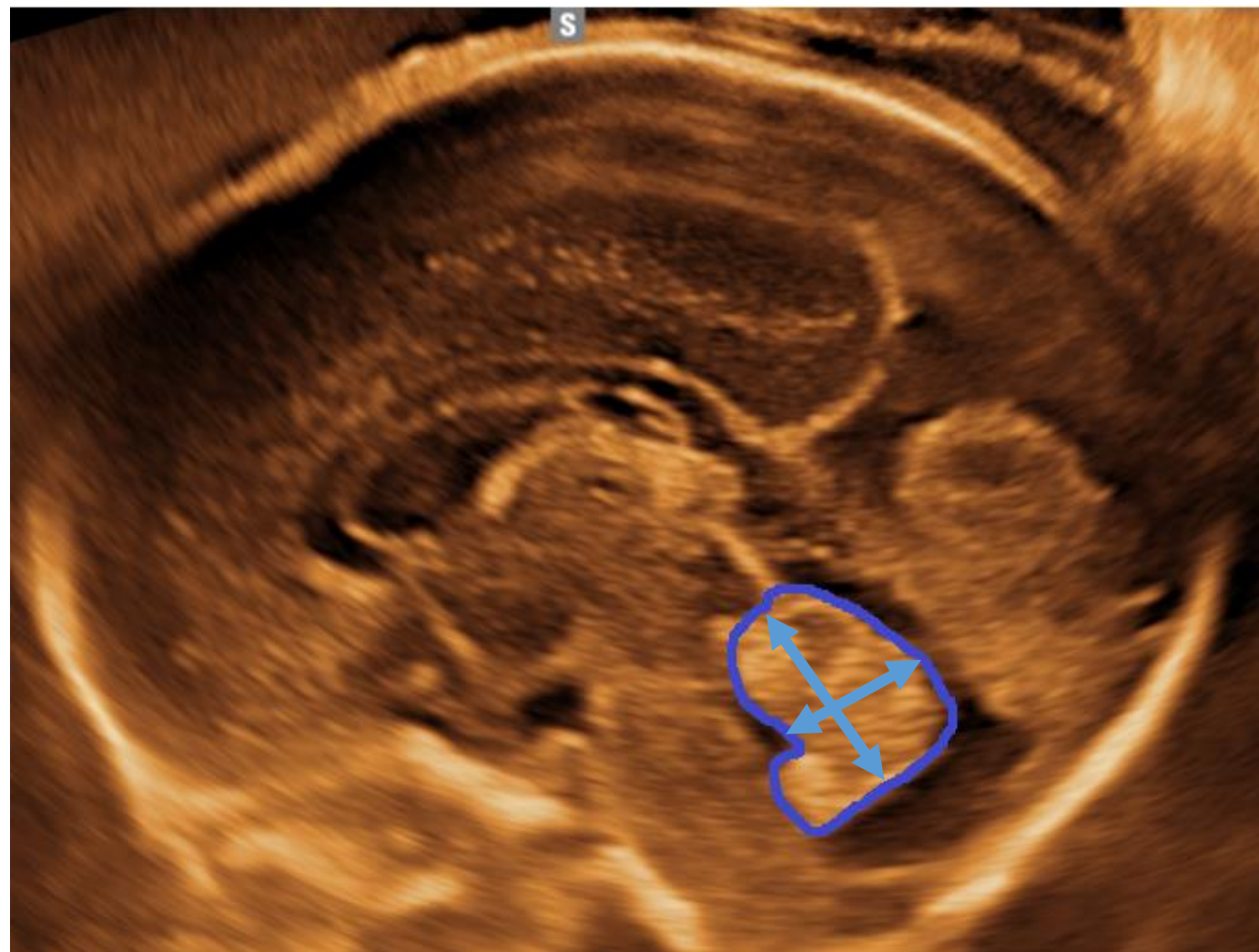
Gestational Age (wk)	US 2D		
	%5	Median	%95
21	36.20	40.94	44.80
22	37.04	46.80	48.64
23	41.20	45.07	49.39
24	48.10	49.89	51.80
25	46.74	52.41	62.86
26	50.00	57.87	65.98
27	48.97	59.08	67.10
28	53.26	60.42	69.40
29	58.58	65.42	69.37
30	60.08	64.98	70.36
31	61.18	65.67	71.97
32	62.13	67.31	77.88
33	68.13	71.38	76.83
34	67.05	73.97	80.43
35	70.20	75.19	79.16



Biometrias: Vérnis cerebelar

Área

Gestational Age (wk)	US 2D		
	%5	Median	%95
21	82.41	99.27	112.76
22	92.43	114.88	131.10
23	100.38	125.18	146.12
24	130.89	138.14	154.26
25	135.91	170.76	198.12
26	139.84	189.49	234.09
27	158.35	198.22	234.51
28	182.56	222.26	293.91
29	215.82	246.64	293.68
30	228.12	255.40	282.77
31	240.25	268.21	299.06
32	241.17	282.90	330.94
33	274.90	325.12	370.45
34	283.93	340.38	405.17
35	302.87	350.00	392.47



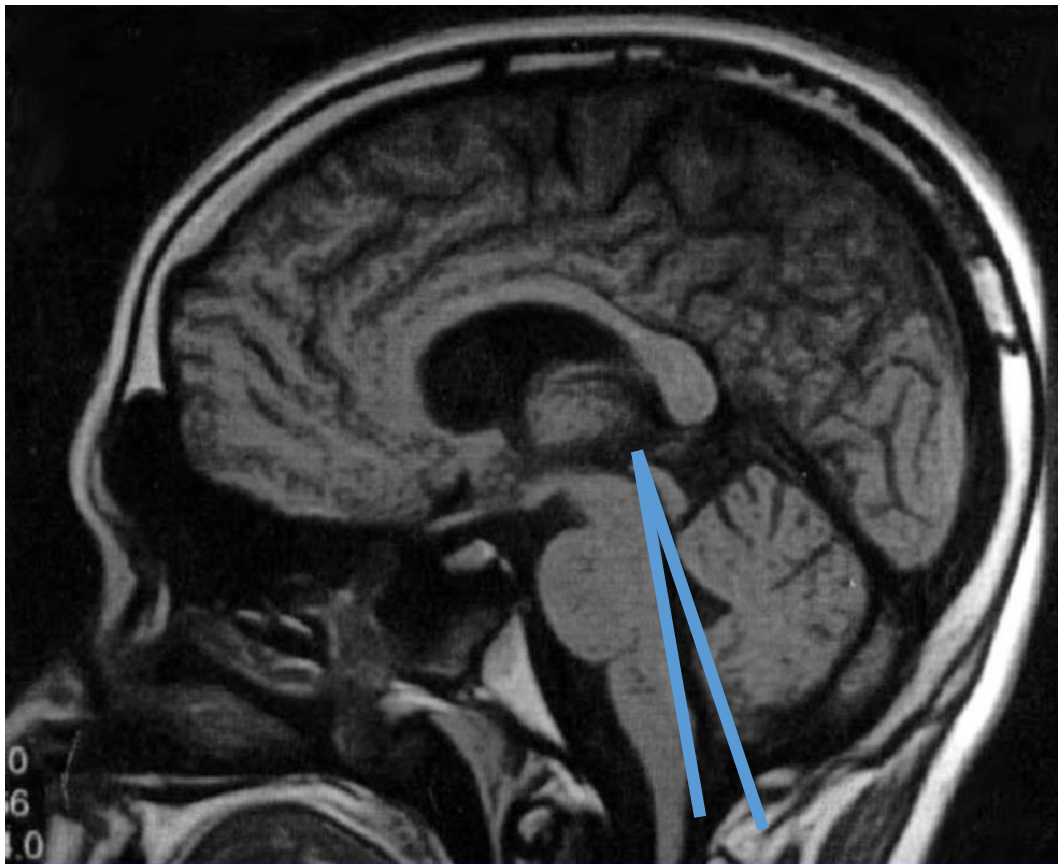
Biometrias: Ponte

Diâmetro Antero-Posterior

GA (weeks)	n	<i>Anteroposterior diameter (mm)</i>				
		5 th	25 th	50 th	75 th	95 th
19-20	18	4.2	6.3	6.8	7.0	7.5
21-22	114	6.8	7.2	7.5	8.0	8.3
23-24	82	7.2	7.7	8.2	8.5	9.1
25-26	20	8.4	9.3	9.6	10.2	11.0
27-28	15	9.3	10.0	10.3	10.9	11.5
29-30	11	9.9	10.7	11.4	11.7	12.0
31-32	13	10.9	11.7	12.3	12.8	14.0
33-34	14	12.0	12.4	12.8	13.5	15.7



Biometrias: Ângulo Ponto-Cerebelar



Normal: 4.5° – 18.0°



Biometrias: 4° Ventrículo

Diâmetro AP

GA (weeks)	N	APD (mm)		
		Mean	Mean -2SD	Mean +2SD
14	16	2.1	1.2	3
15	16	2.1	1.16	3.04
16	15	2.3	1.34	3.26
17	17	2	1.42	2.58
18	15	2.2	1.82	2.58
19	17	2.4	1.92	2.88
20	15	2.2	1.64	2.76
21	17	2.7	1.86	3.54
22	28	2.7	1.8	3.6
23	17	2.6	1.9	3.3
24	15	2.8	2.1	3.5
25	15	2.6	1.82	3.38
26	15	2.6	1.7	3.5
27	15	2.9	1.88	3.92
28	15	2.7	2.04	3.36
29	15	3.2	1.98	4.42
30	15	3.2	1.78	4.62
31	15	3.4	1.42	5.38
32	29	3.6	2.04	4.96
33	17	4	2.04	5.96
34	15	3.3	1.52	5.08
35	15	3.7	1.94	5.46
36	15	3.9	2.66	5.14



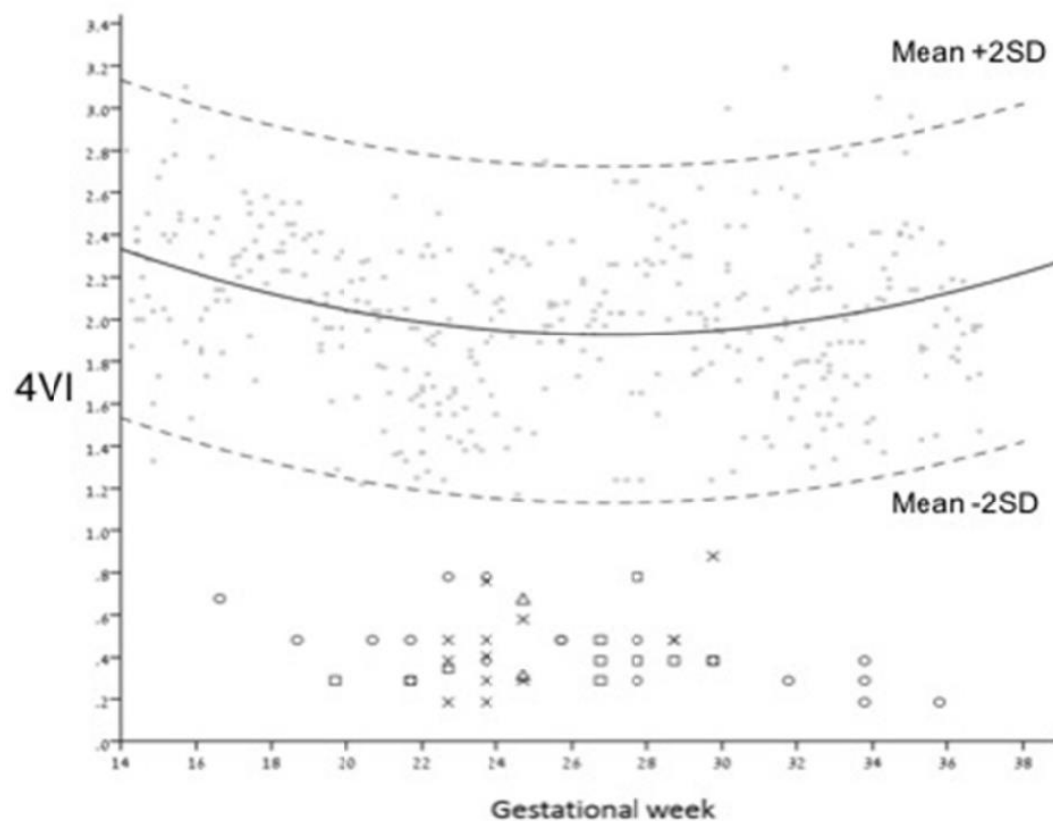
Biometrias: 4° Ventrículo

Diâmetro LL

GA (weeks)	N	LLD (mm)		
		Mean	Mean -2SD	Mean +2SD
14	16	4.4	3.02	5.78
15	16	4.7	3.8	5.6
16	15	5	3.6	6.4
17	17	4.7	4.1	5.3
18	15	5	4.2	5.8
19	17	4.7	3.82	5.58
20	15	4.4	3.3	5.5
21	17	4.7	3.34	6.06
22	28	4.8	3.36	6.24
23	17	4.4	3.2	5.6
24	15	5.5	4.32	6.68
25	15	4.8	3.8	5.8
26	15	5.5	3.9	7.1
27	15	5.7	3.9	7.5
28	15	6	5.4	6.6
29	15	6.2	5.02	7.38
30	15	6.4	4.8	8
31	15	6.3	4.5	8.1
32	29	6.7	5.02	8.38
33	17	7.1	5.1	9.1
34	15	7.2	5.7	8.7
35	15	7.5	5.58	9.42
36	15	7.7	6.38	9.02



Biometrias: Índice do 4º ventrículo



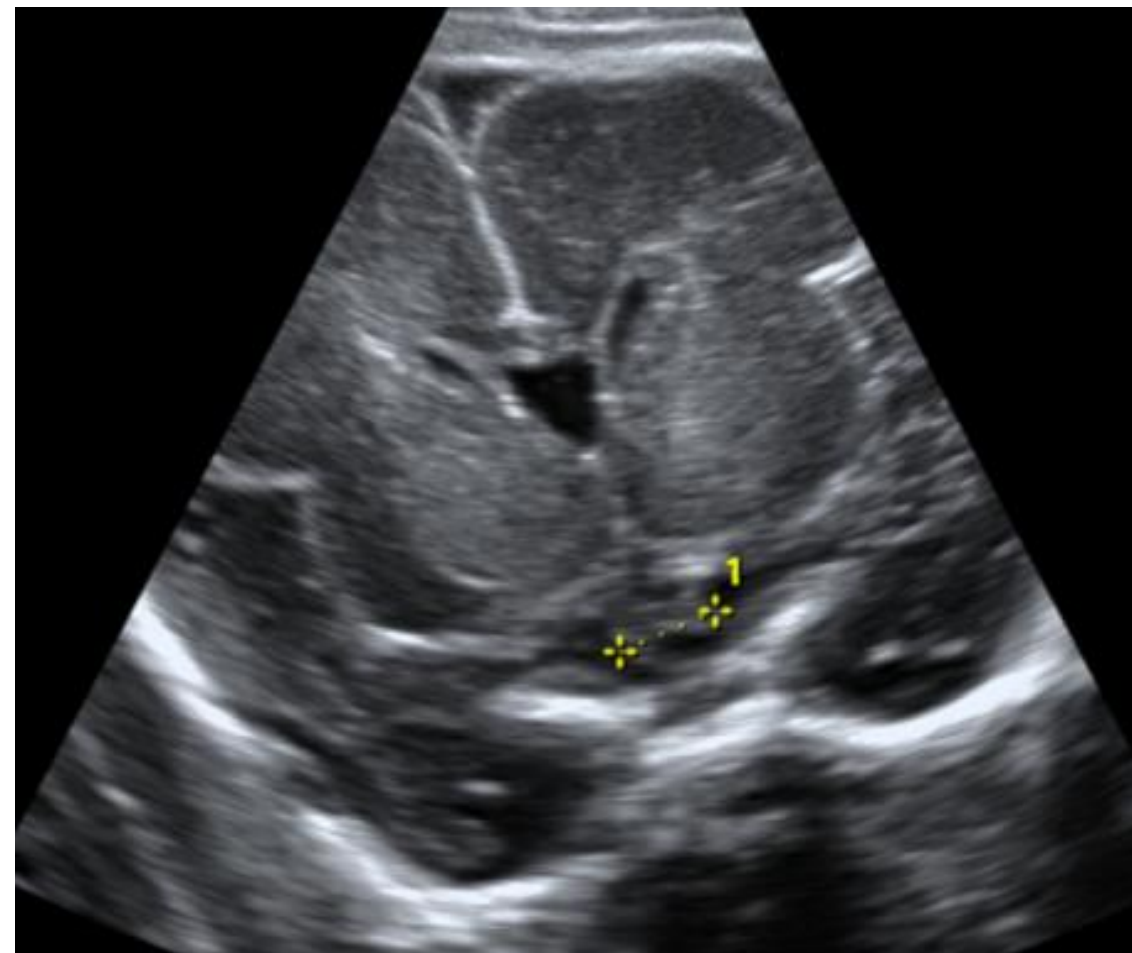
DLL/DAP - Normal: > 1,0



Biometrias: Quiasma óptico

Table 1 Reference range for fetal optic chiasm (OC) width between 21 and 29 weeks' gestation

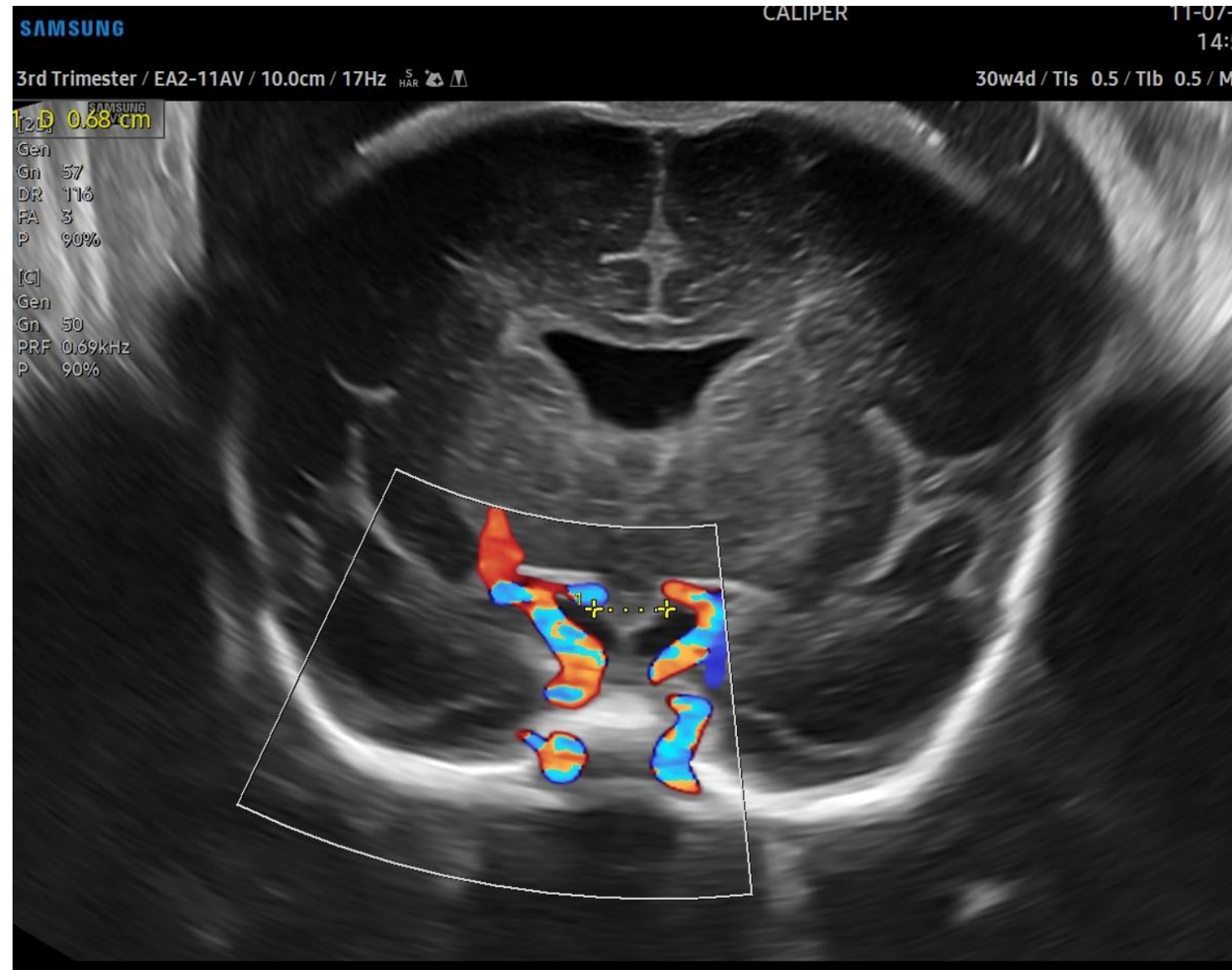
GA (weeks)	n	OC width (mm)				
		3 rd centile	5 th centile	50 th centile	95 th centile	97 th centile
21	4	5.6	5.6	6.0	6.3	6.3
22	15	5.6	5.6	6.0	7.5	7.5
23	27	5.4	5.48	6.4	7.74	7.9
24	23	5.7	5.74	6.5	7.96	8.0
25	25	5.5	5.56	6.8	9.0	10.0
26	7	5.7	5.7	7.0	8.1	8.1
27	3	6.8	6.8	7.0	8.1	8.1
28	2	7.1	7.1	7.85	8.6	8.6
29	3	6.9	6.9	8.2	8.7	8.7



Biometrias: Quiasma óptico

Table 1 Reference range for fetal optic chiasm (OC) width between 21 and 29 weeks' gestation

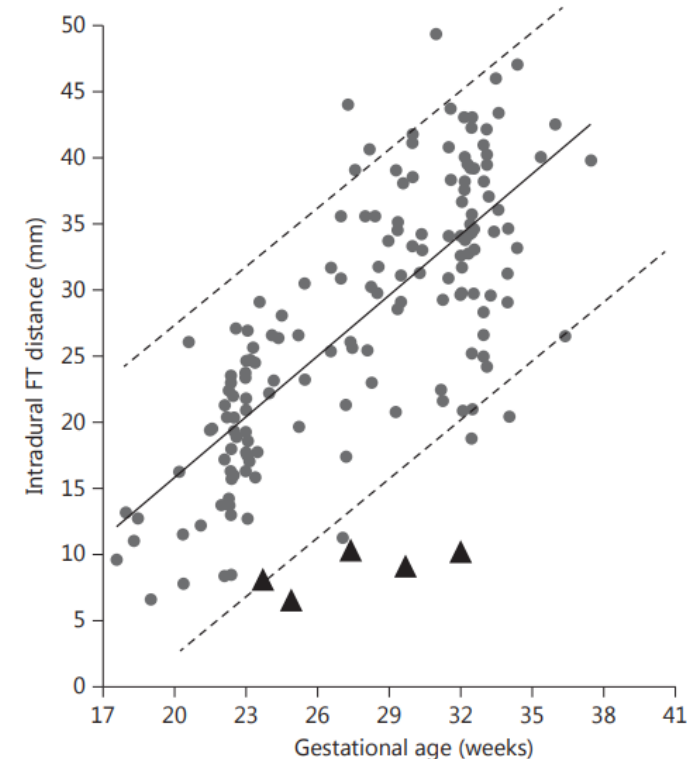
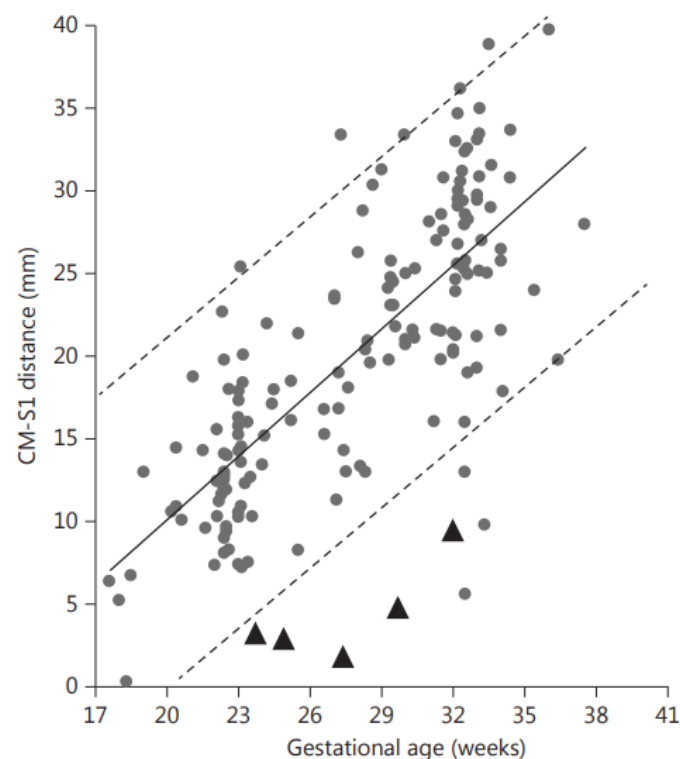
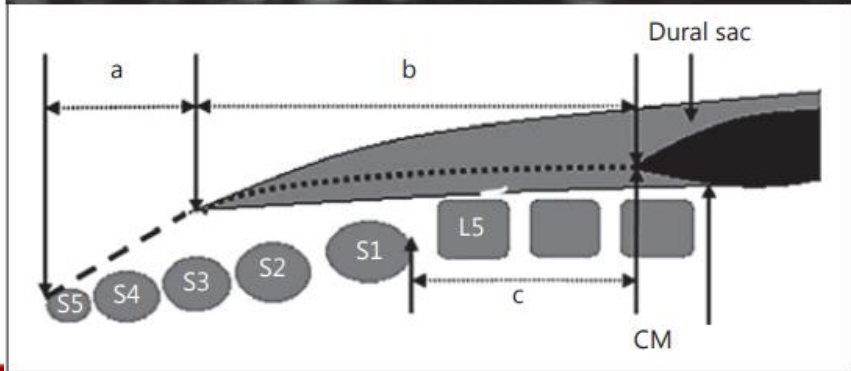
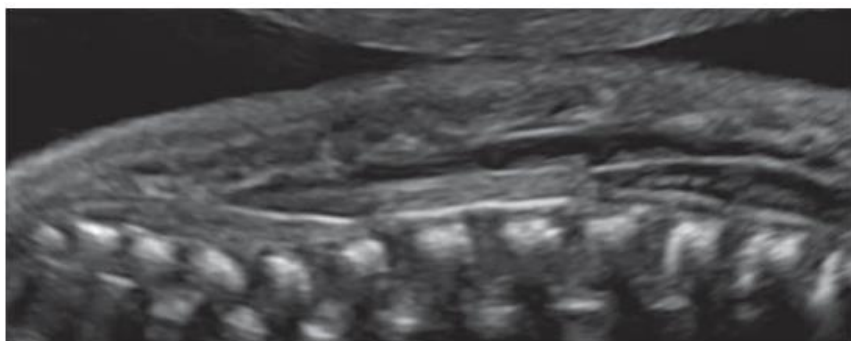
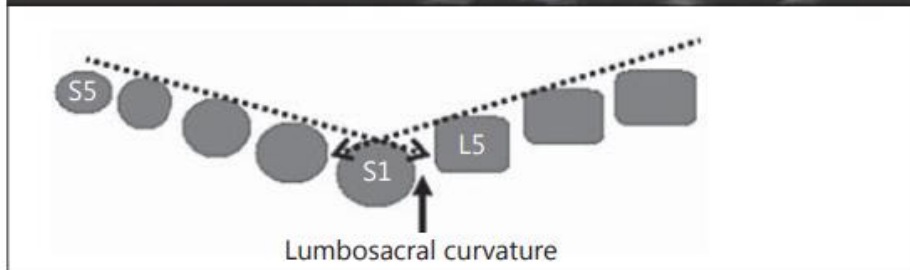
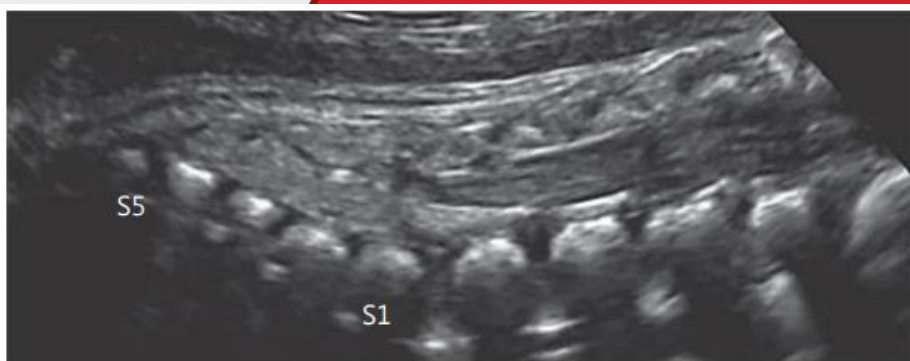
GA (weeks)	n	OC width (mm)				
		3 rd centile	5 th centile	50 th centile	95 th centile	97 th centile
21	4	5.6	5.6	6.0	6.3	6.3
22	15	5.6	5.6	6.0	7.5	7.5
23	27	5.4	5.48	6.4	7.74	7.9
24	23	5.7	5.74	6.5	7.96	8.0
25	25	5.5	5.56	6.8	9.0	10.0
26	7	5.7	5.7	7.0	8.1	8.1
27	3	6.8	6.8	7.0	8.1	8.1
28	2	7.1	7.1	7.85	8.6	8.6
29	3	6.9	6.9	8.2	8.7	8.7





Tabelas Neurosonografia

Biometrias: Cone Medular e Filum Terminale



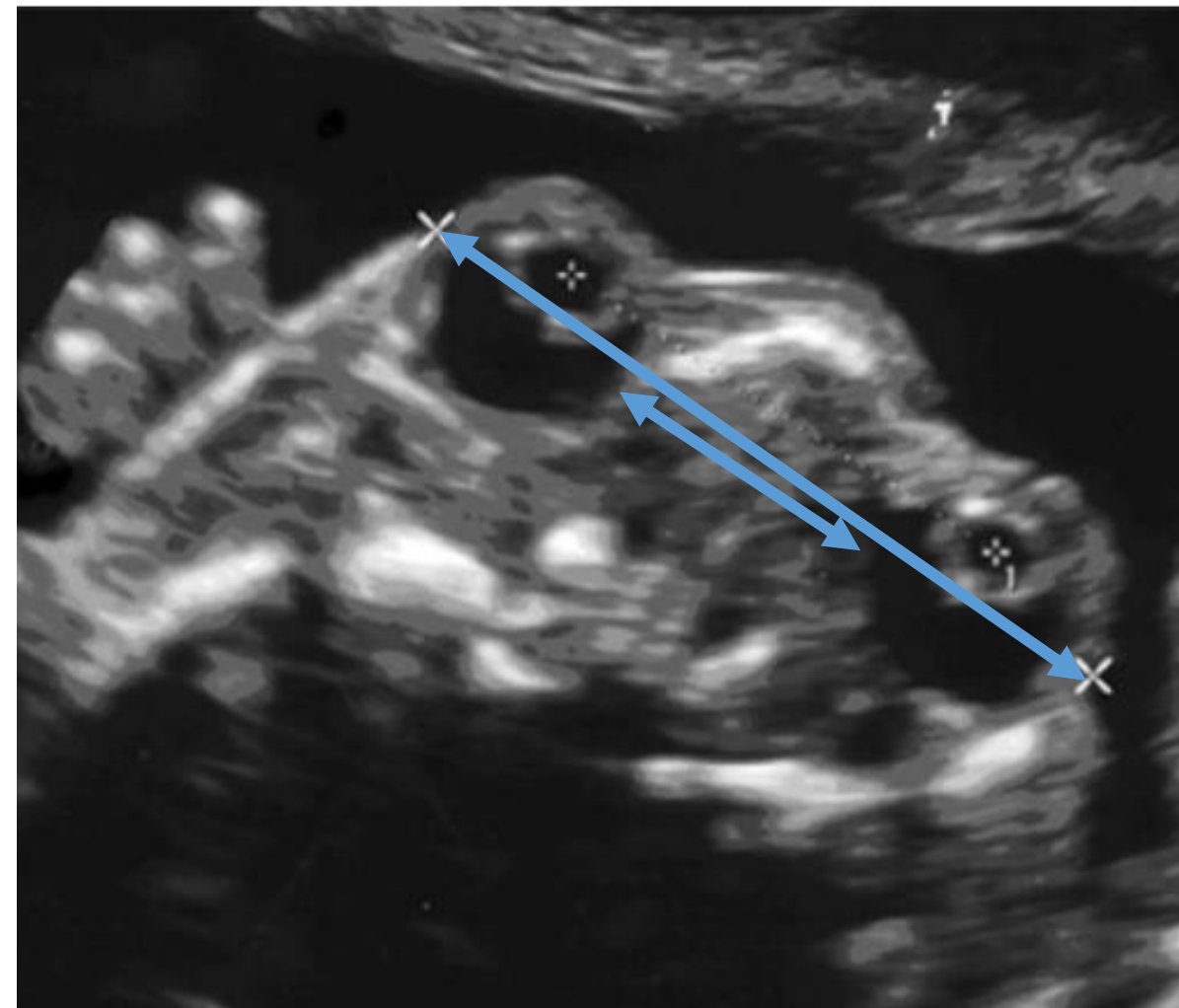
Mottet N, et al Fetal Diagn Ther. 2016



DBP (cm)	Gestação (semanas)	DOI (cm)	DOE (cm)	DBP (cm)	Gestação (semanas)	DOI (cm)	DOE (cm)
1.9	11.6	0.5	1.3	5.8	24.3	1.6	4.1
2.0	11.6	0.5	1.4	5.9	24.3	1.6	4.2
2.1	12.1	0.6	1.5	6.0	24.7	1.6	4.3
2.2	12.6	0.6	1.6	6.1	25.2	1.6	4.3
2.3	12.6	0.6	1.7	6.2	25.2	1.6	4.4
2.4	13.1	0.7	1.7	6.3	25.7	1.7	4.4
2.5	13.6	0.7	1.8	6.4	26.2	1.7	4.5
2.6	13.6	0.7	1.9	6.5	26.2	1.7	4.5
2.7	14.1	0.8	2.0	6.6	26.7	1.7	4.6
2.8	14.6	0.8	2.1	6.7	27.2	1.7	4.6
2.9	14.6	0.8	2.1	6.8	27.6	1.7	4.7
3.0	15.0	0.9	2.2	6.9	28.1	1.7	4.7
3.1	15.5	0.9	2.3	7.0	28.6	1.8	4.8
3.2	15.5	0.9	2.4	7.1	29.1	1.8	4.8
3.3	16.0	1.0	2.5	7.3	29.6	1.8	4.9
3.4	16.5	1.0	2.5	7.4	30.0	1.8	5.0
3.5	16.5	1.0	2.6	7.5	30.6	1.8	5.0
3.6	17.0	1.0	2.7	7.6	31.0	1.8	5.1
3.7	17.5	1.1	2.7	7.7	31.5	1.8	5.1
3.8	17.9	1.1	2.8	7.8	32.0	1.8	5.2
4.0	18.4	1.2	3.0	7.9	32.5	1.9	5.2
4.2	18.9	1.2	3.1	8.0	33.0	1.9	5.3
4.3	19.4	1.2	3.2	8.2	33.5	1.9	5.4
4.4	19.4	1.3	3.2	8.3	34.0	1.9	5.4
4.5	19.9	1.3	3.3	8.4	34.4	1.9	5.4
4.6	20.4	1.3	3.4	8.5	35.0	1.9	5.5
4.7	20.4	1.3	3.4	8.6	35.4	1.9	5.5
4.8	20.9	1.4	3.5	8.8	35.9	1.9	5.6
4.9	21.3	1.4	3.6	8.9	36.4	1.9	5.6
5.0	21.3	1.4	3.6	9.0	36.9	1.9	5.7
5.1	21.8	1.4	3.7	9.1	37.3	1.9	5.7
5.2	22.3	1.4	3.8	9.2	37.8	1.9	5.8
5.3	22.3	1.5	3.8	9.3	38.3	1.9	5.8
5.4	22.8	1.5	3.9	9.4	38.8	1.9	5.8
5.5	23.3	1.5	4.0	9.6	39.3	1.9	5.9
5.6	23.3	1.5	4.0	9.7	39.8	1.9	5.9
5.7	23.8	1.5	4.1				

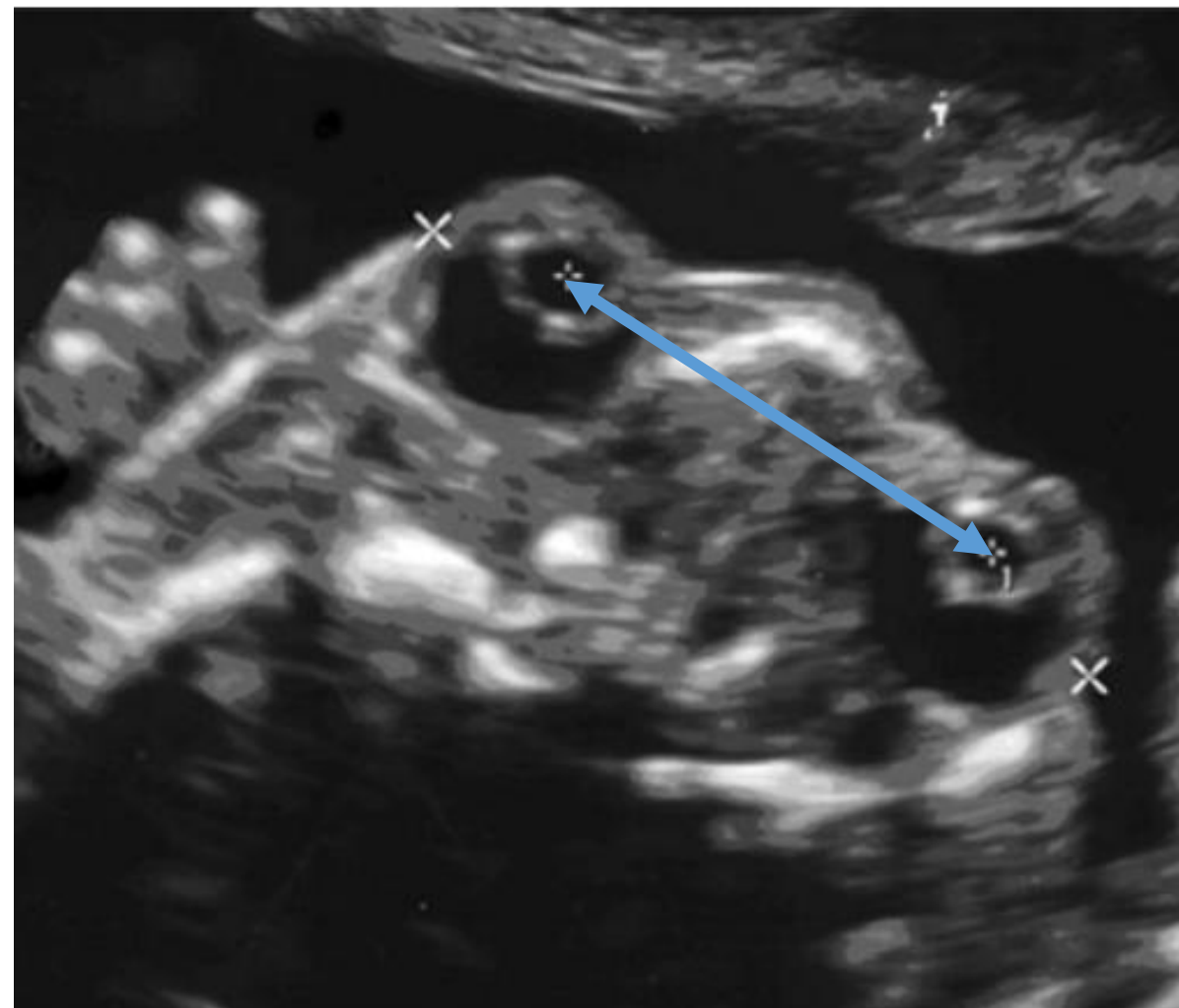
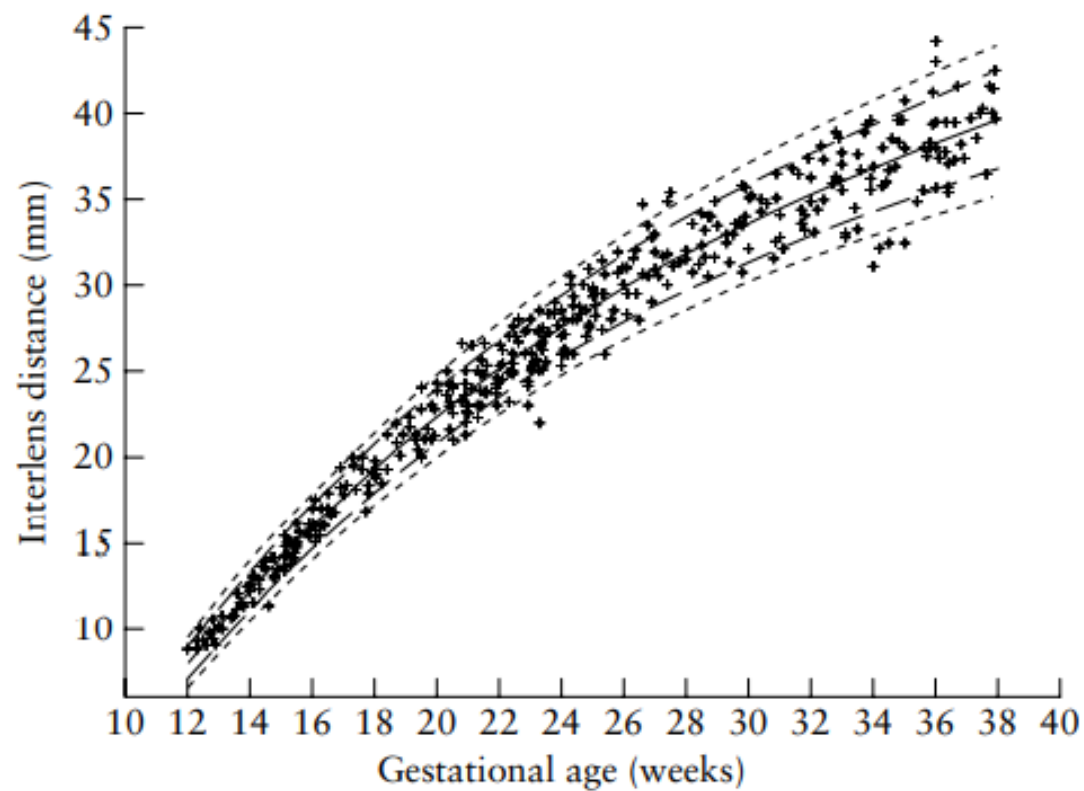
Reproduzido de Mayden KL, Tortora M, Berkowitz RL et al: Orbital diameters: A new parameter for prenatal diagnosis and dating.

Am J. Obstet Gynecol 144:289, 1982.



Mayden KL et al: Orbital diameters: Am J. Obstet Gynecol 1982

Biometrias: Distância interlentes

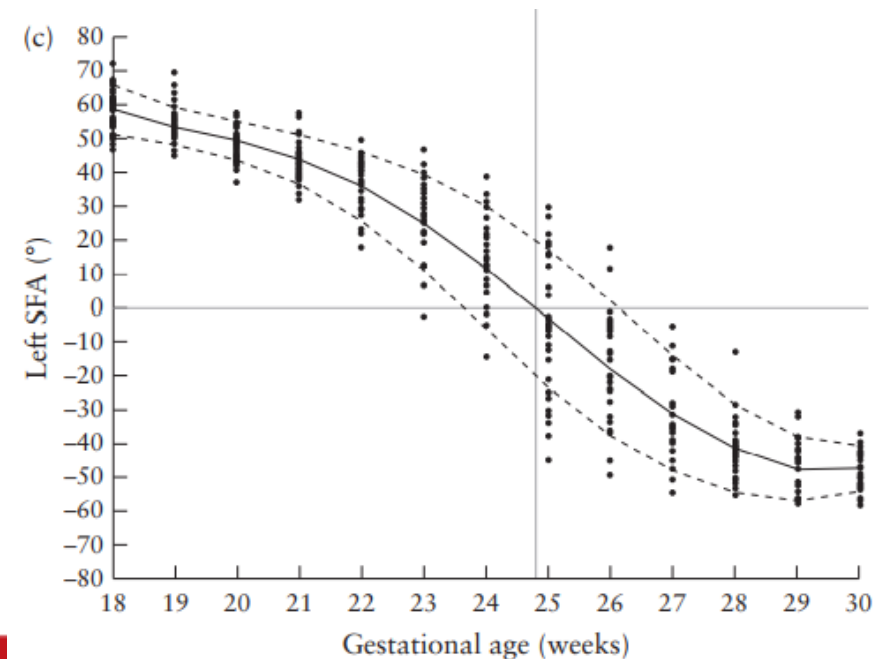
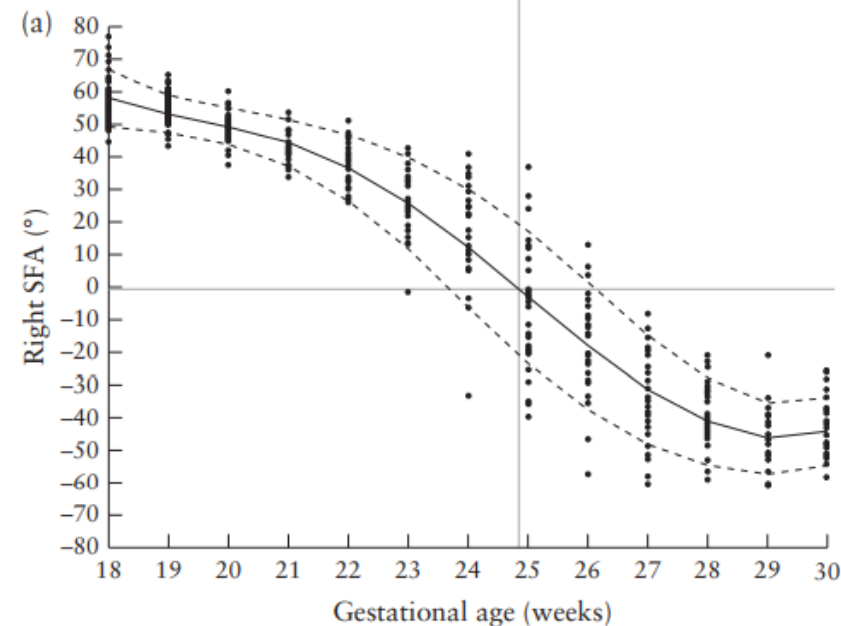
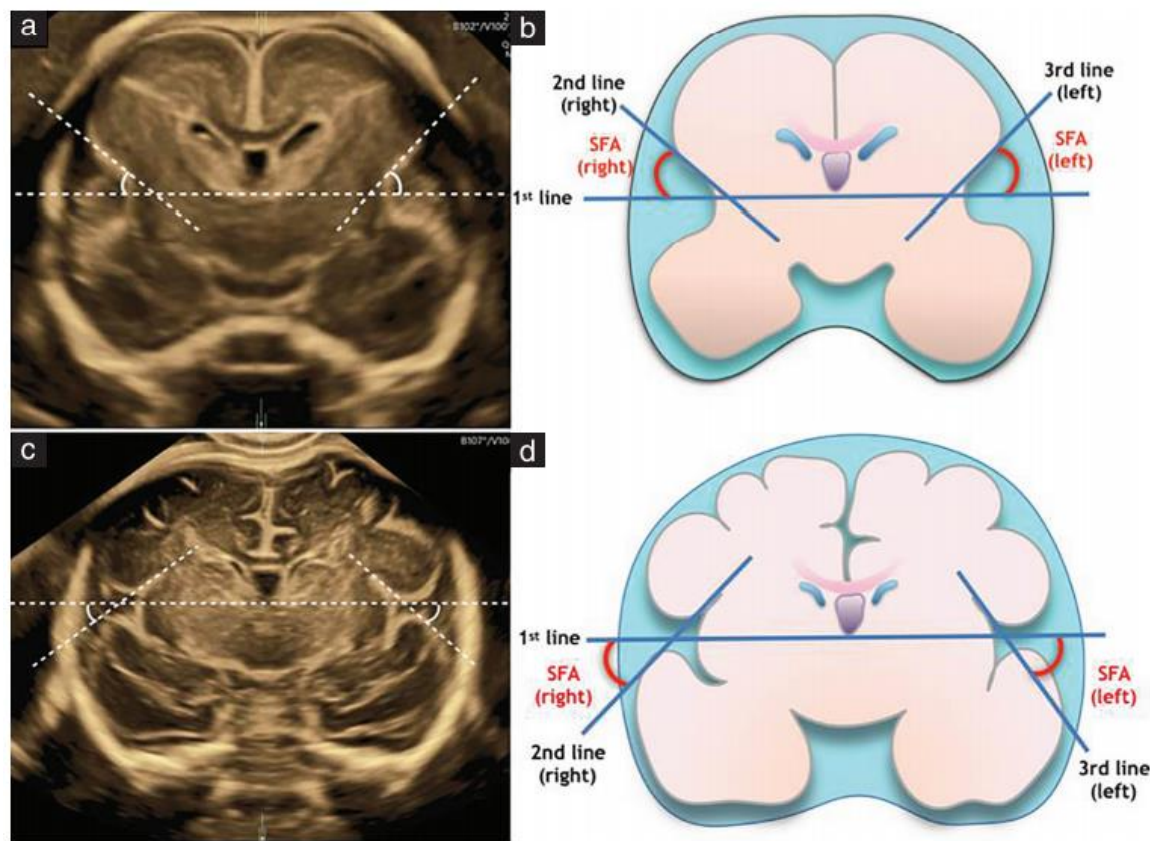


Avaliação dos sulcos e giros

Fissura / Sulco	Identificação USG
Parieto-Occiptal	20 semanas
Calcarina	22 semanas
Cíngulo	24 semanas
Central	26 semanas
Sylvius	Opercularização 12-40 semanas

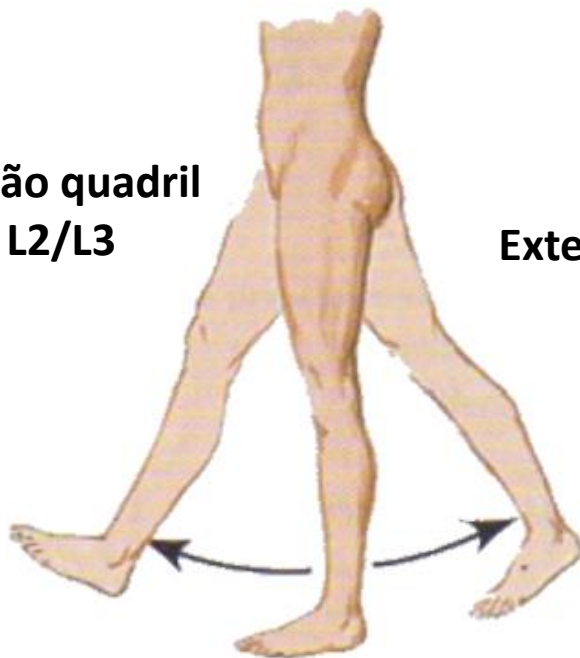
Biometrias: Espaços subaracnódeo

Ângulo da fissura de Sylvius



Função motora

Flexão quadril
L2/L3



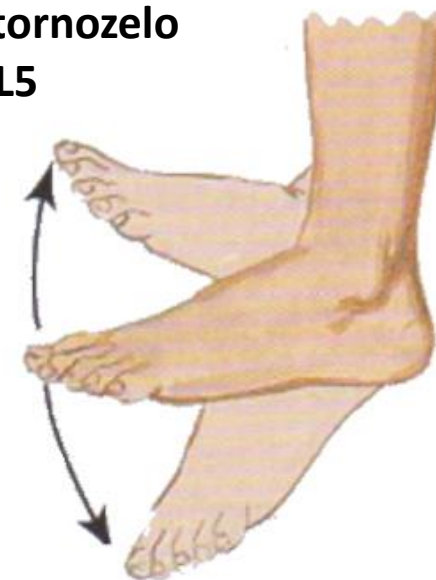
Extensão Quadril
S3



Extensão Joelho
L4

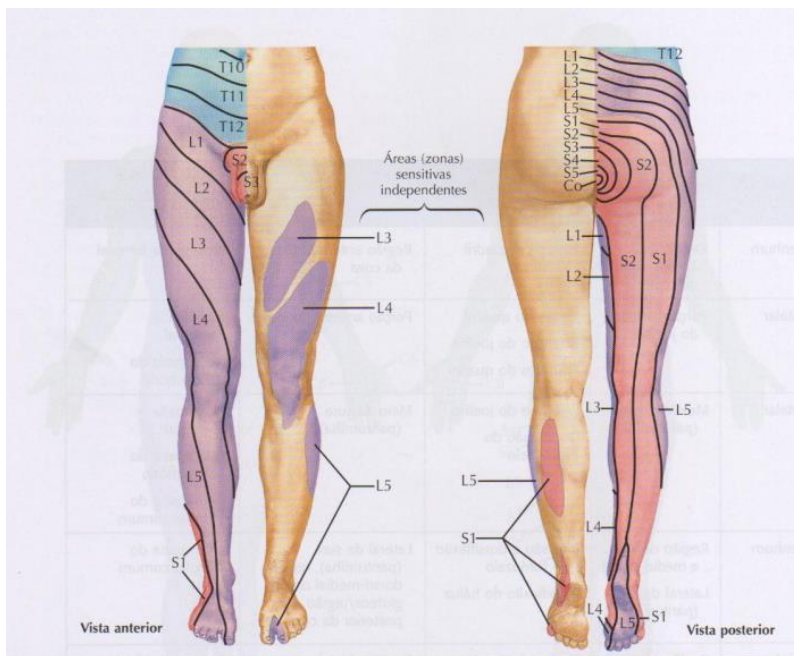
Flexão joelho
S2

Flexão tornozelo
L5



Extensão tornozelo
S1

Avaliação do nível funcional da lesão



Nível segmentar	Função
L2/L3	Flexão do quadril
L4	Extensão do joelho
L5	Flexão do tornozelo
S1	Extensão do tornozelo
S2/S3	Flexão do joelho e Extensão do quadril



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Tabelas Neurossonografia

Professor: Marcelo Monteiro

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