

Supplementary material

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Table 1. Regression analysis of left atrial volume and left atrial area obtained by left atrial volume tracking

Parameters	Mean	R^2	P
GA (weeks)			
LAVmax (ml)	$0.384-(0.115 \times GA)+(0.005 \times GA^2)$	0.870	<0.001
LAVmin (ml)	$0.356-(0.023 \times GA)+(0.002 \times GA^2)$	0.848	<0.001
LAAMax (cm ²)	$-1.641+(0.107 \times GA)$	0.623	<0.001
LAAMin (cm ²)	$-1.327+(0.086 \times GA)$	0.518	<0.001
BPD (cm)			
LAVmax (ml)	$3.679-(1.325 \times BPD)+(0.136 \times BPD^2)$	0.799	<0.001
LAVmin (ml)	$1.206-(0.504 \times BPD)+(0.060 \times BPD^2)$	0.769	<0.001

Abbreviations: GA, gestational age; BPD, biparietal diameter; LAVmax, maximal left atrial volume; LAVmin, minimal left atrial volume; LAAMax, maximal left atrial area; LAAMin, minimal left atrial area

Table 2. The mean value of maximal and minimal of left atrial volume and left atrial area at 21 weeks and 40 weeks

Parameters	21 weeks		40 weeks	
	Mean Value	95% CI	Mean Value	95% CI
LAVmax (ml)	0.27	0.00 to 0.93	4.15	3.49 to 4.82
LAVmin (ml)	0.13	0.00 to 0.52	2.26	1.86 to 2.66
LAAmax (cm ²)	0.61	0.00 to 1.23	2.64	1.96 to 3.31
LAAmin (cm ²)	0.34	0.00 to 0.83	1.53	1.04 to 2.02

Abbreviations: see *Table S1*

Table 3. Descriptive statistics of related parameters.

Parameters	Min	Max	Mean	SD
GA (weeks)	21	40	29.503	4.019
LAVmax (ml)	0.33	4.10	1.626	0.874
LAVmin (ml)	0.20	2.40	0.920	0.485
LAAmax (cm ²)	0.61	3.11	1.515	0.545
LAAmin (cm ²)	0.31	2.26	0.873	0.350
BPD (cm)	5.24	9.83	7.602	1.005

Abbreviations: see *Tables S1* and *S2*