

OCTOBER 9, 2026

Fetal Echocardiogram

Lisa Gilbert RDCS (AE,PE,FE), RVT,
B.S.

**Colorado Fetal
Care Center**

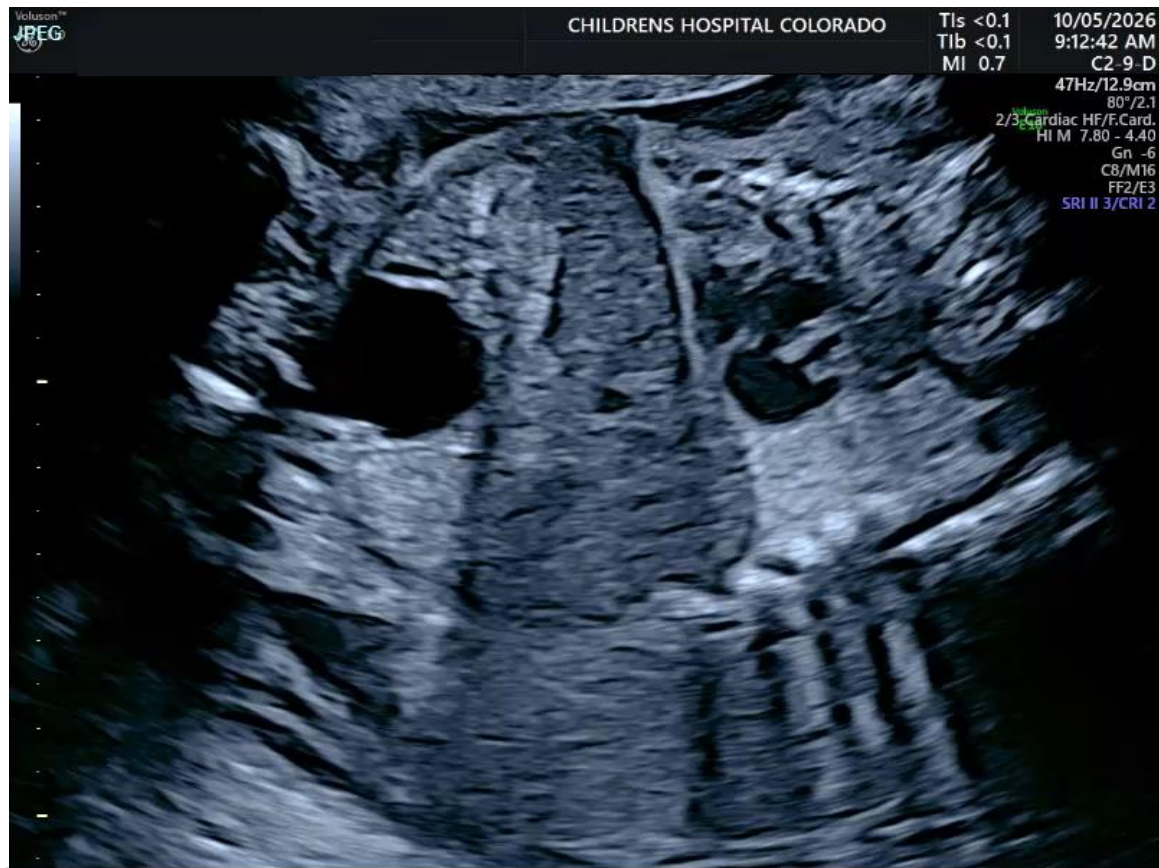


School of Medicine

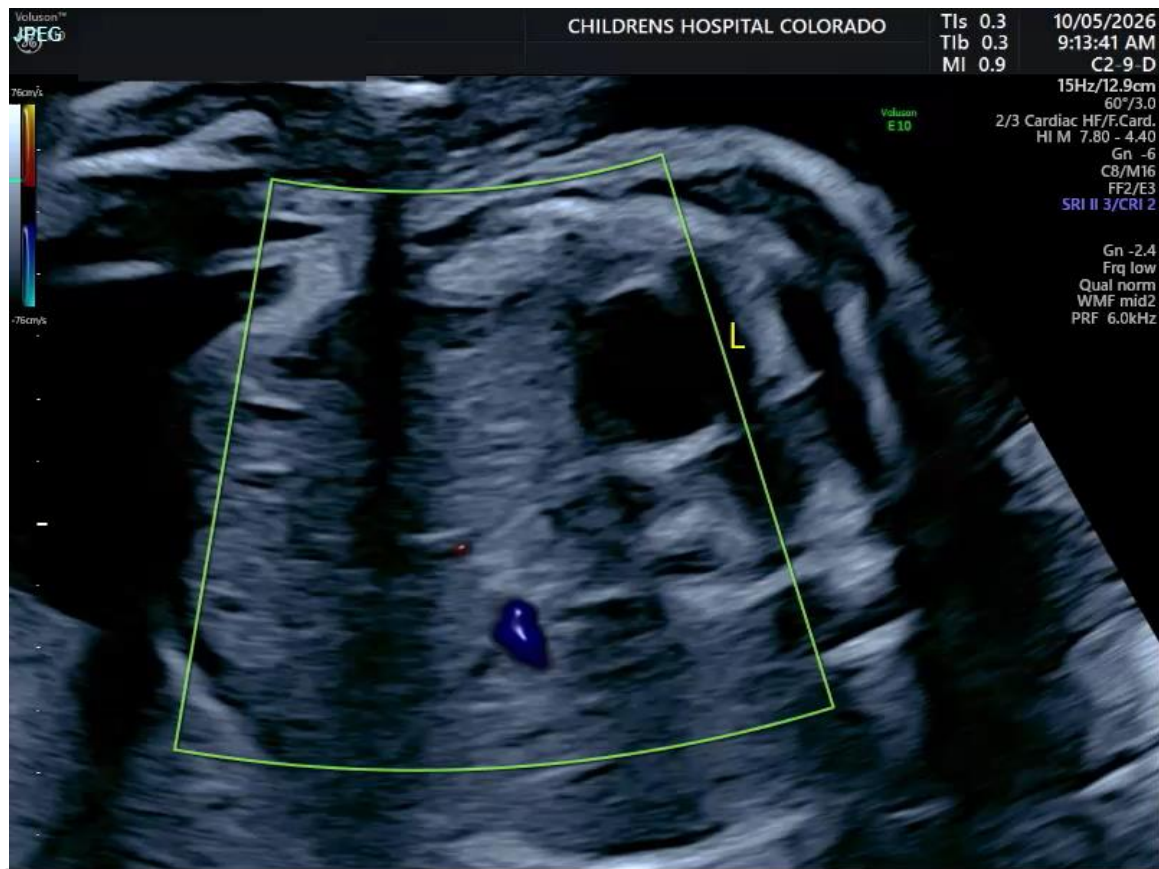
UNIVERSITY OF COLORADO
ANSCHUTZ MEDICAL CAMPUS

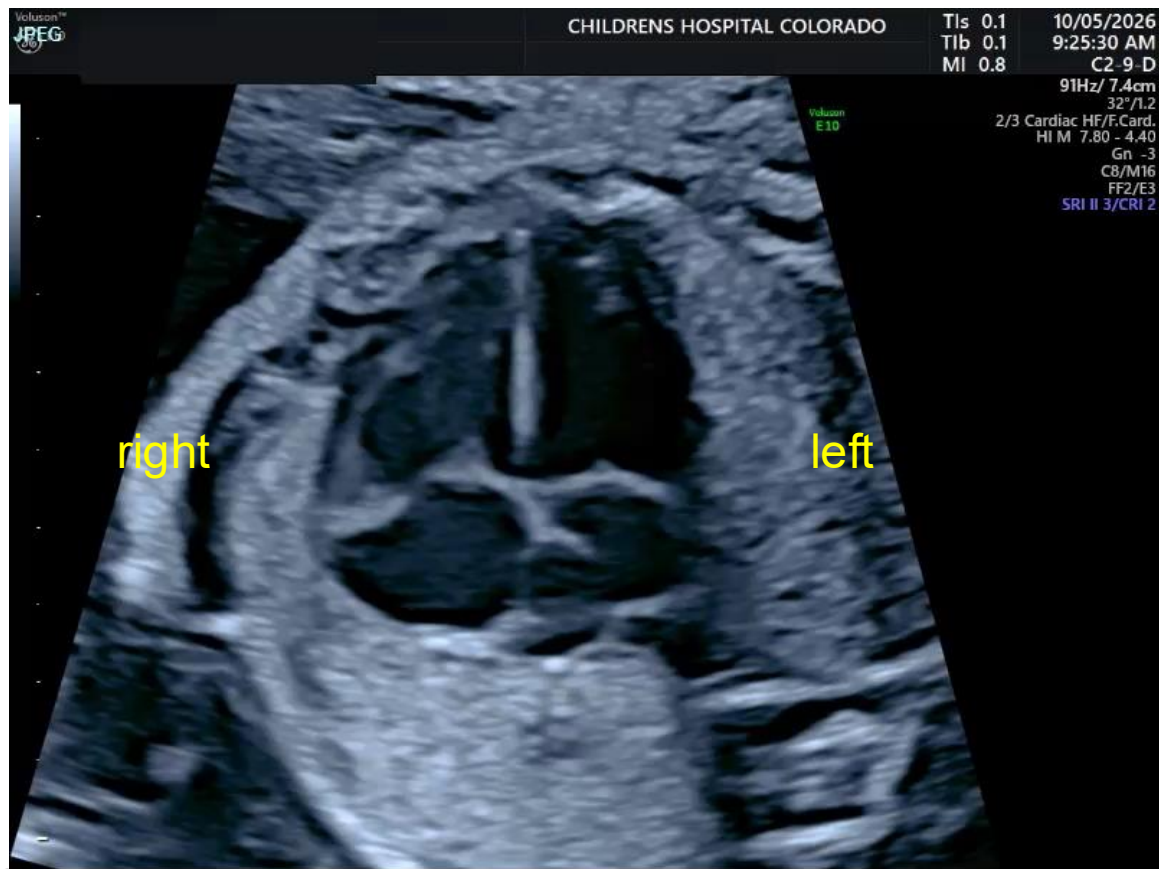


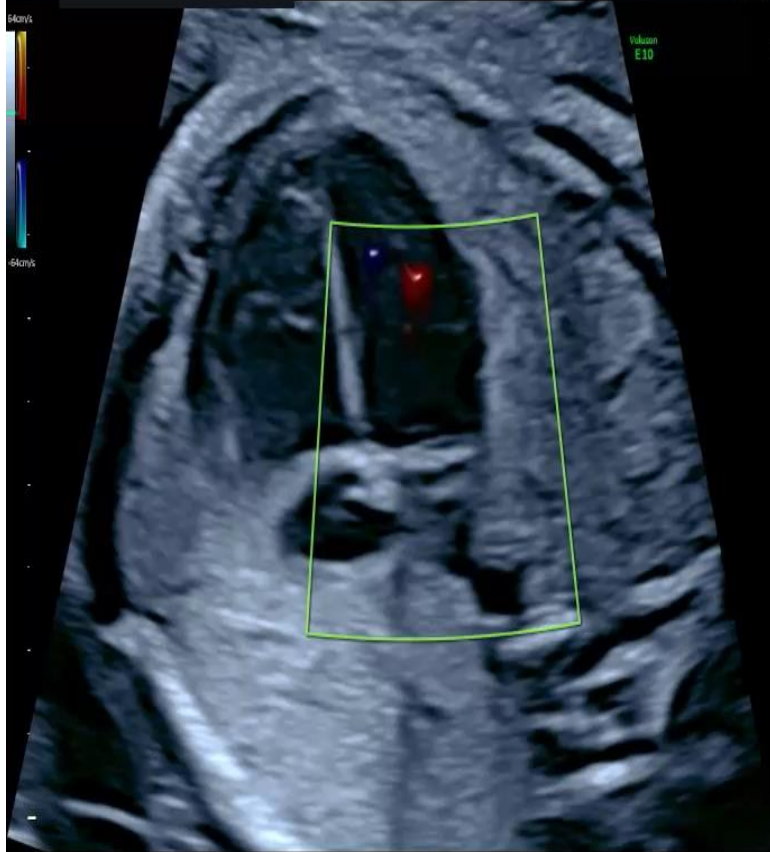
I have no disclosures.

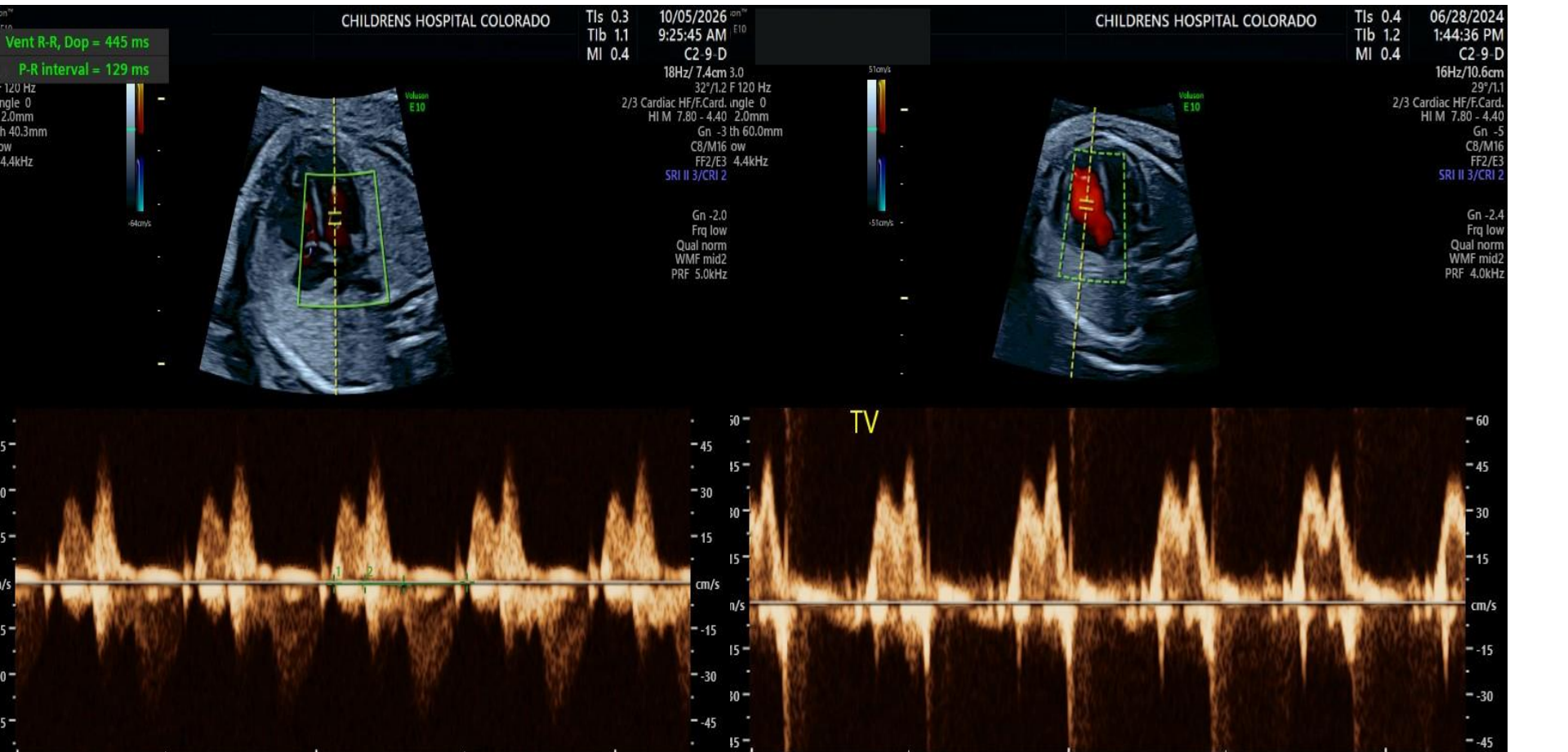




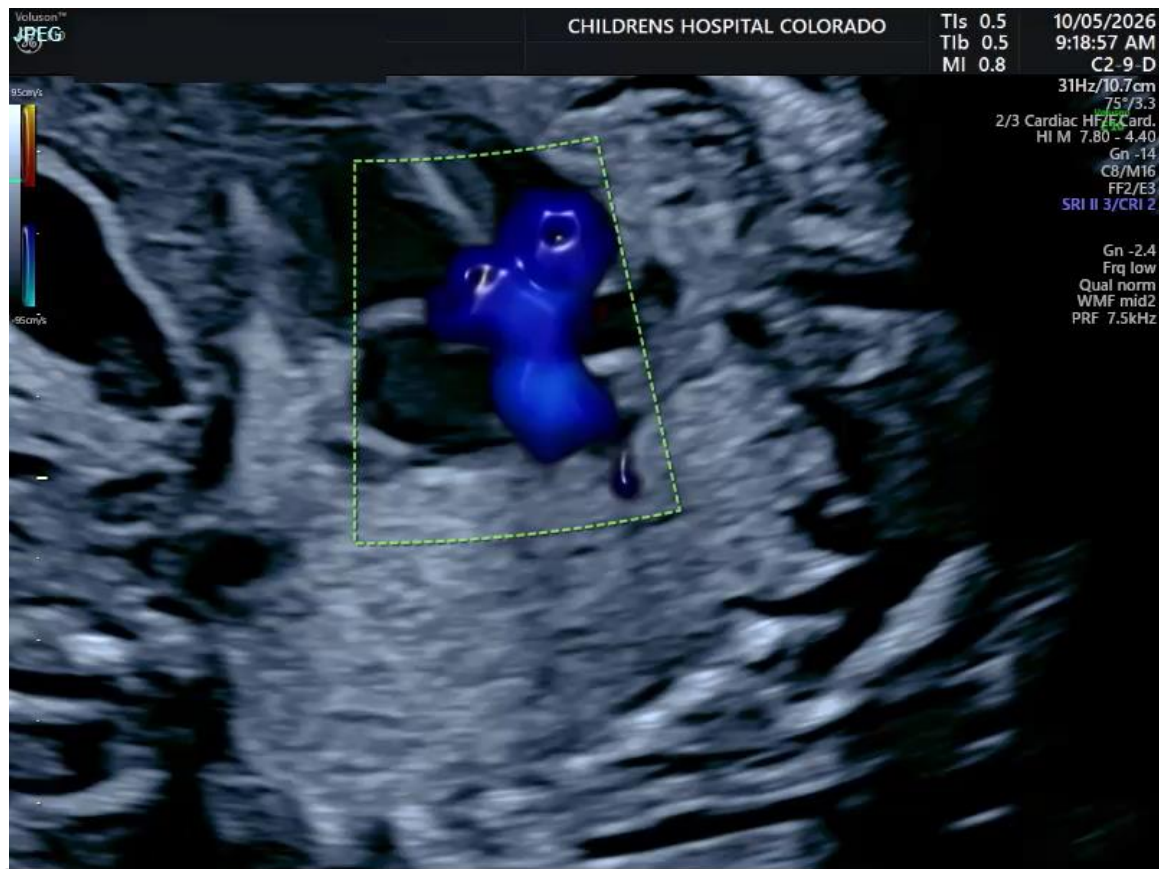












1 Ao Ann diam, s, PLAX = 0.35 cm ✓

CHILDRENS HOSPITAL COLORADO

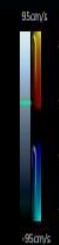
TIs <0.1
Tib <0.1
MI 0.7

10/05/2026
9:18:51 AM
C2-9-D

53Hz/10.7cm
75°/3.3
2/3 Cardiac HF/F.Card.
HI M 7.80 - 4.40
Gn -14
C8/M16
FF2/E3
SRI II 3/CRI 2

Voluson
E10

Gn 1.0
WMF 120 Hz
SV Angle 0
Size 2.0mm
Depth 44.9mm
Frq low
PRF 5.5kHz



Voluson
E10

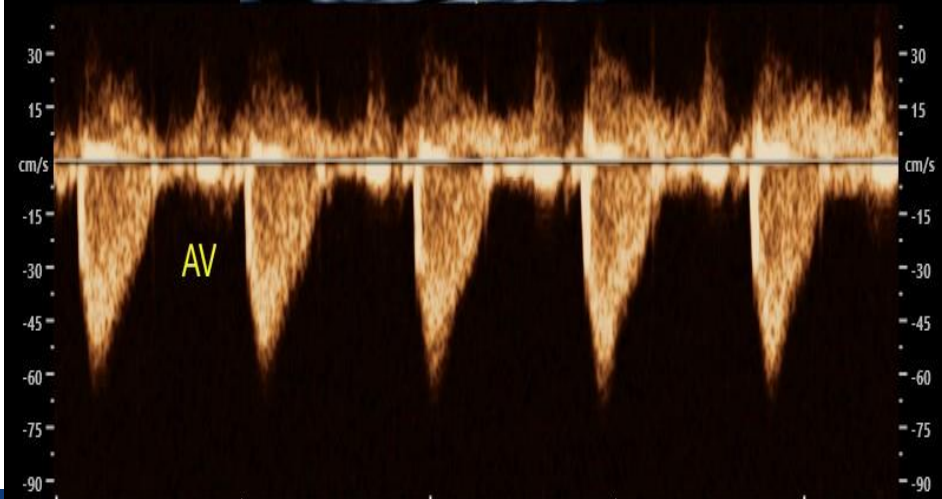
CHILDRENS HOSPITAL COLORADO

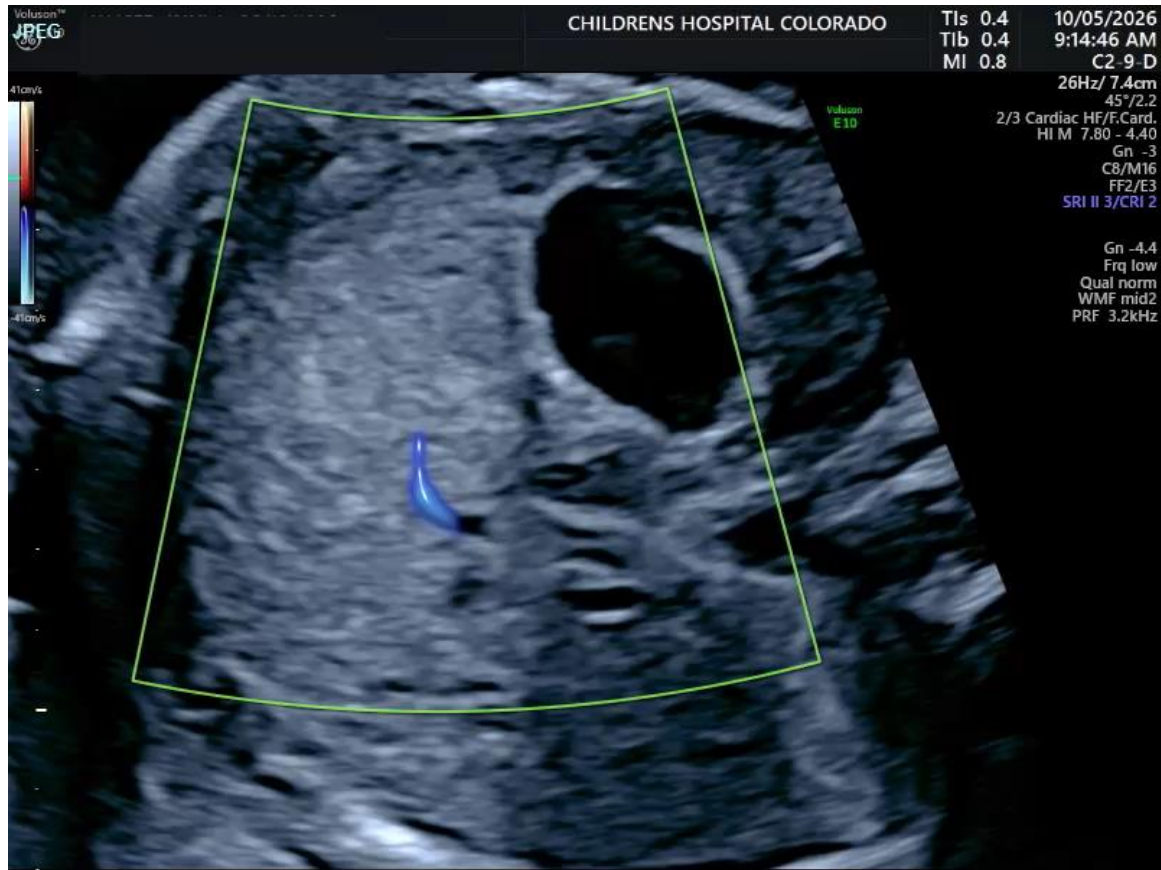
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Tib 1.1
MI 0.4

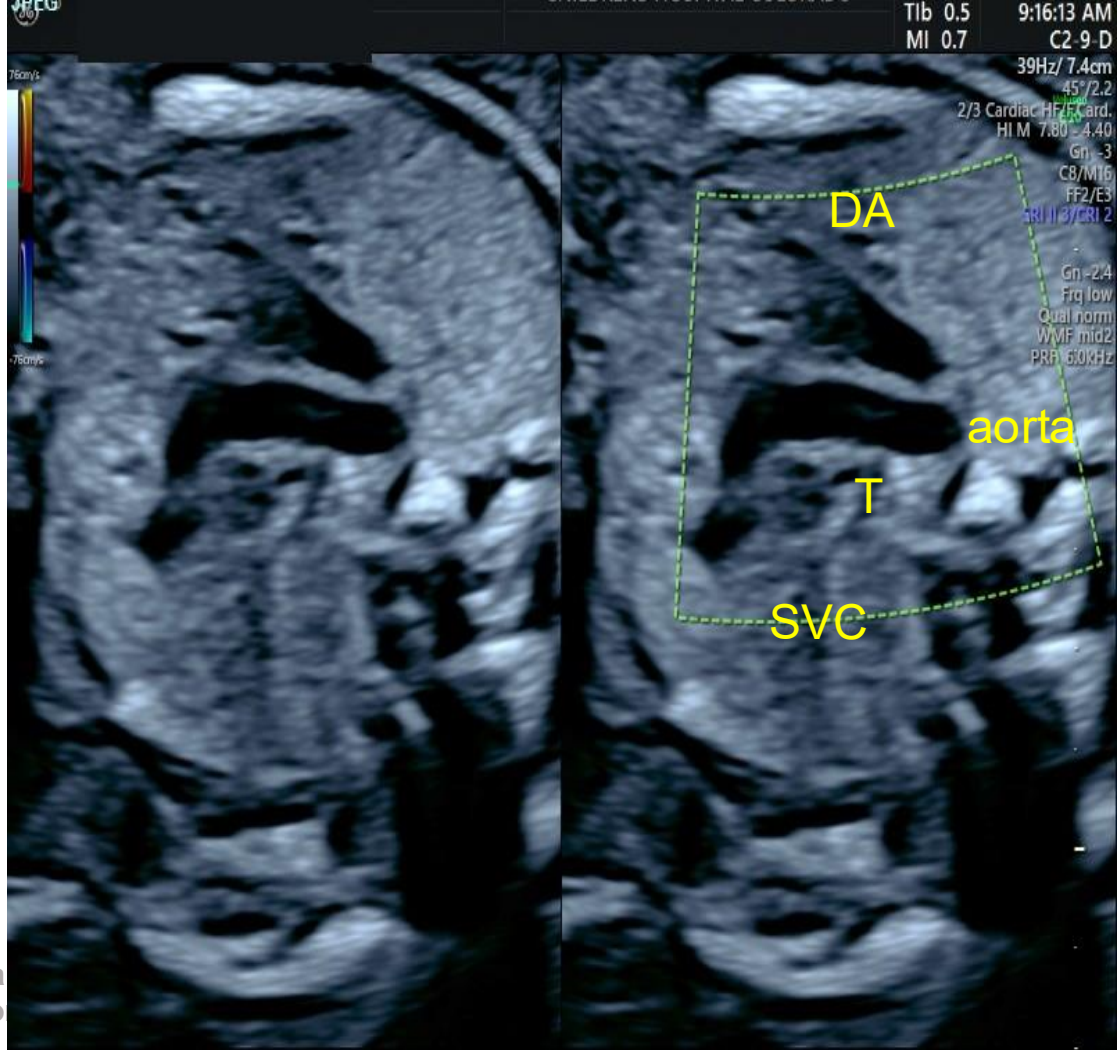
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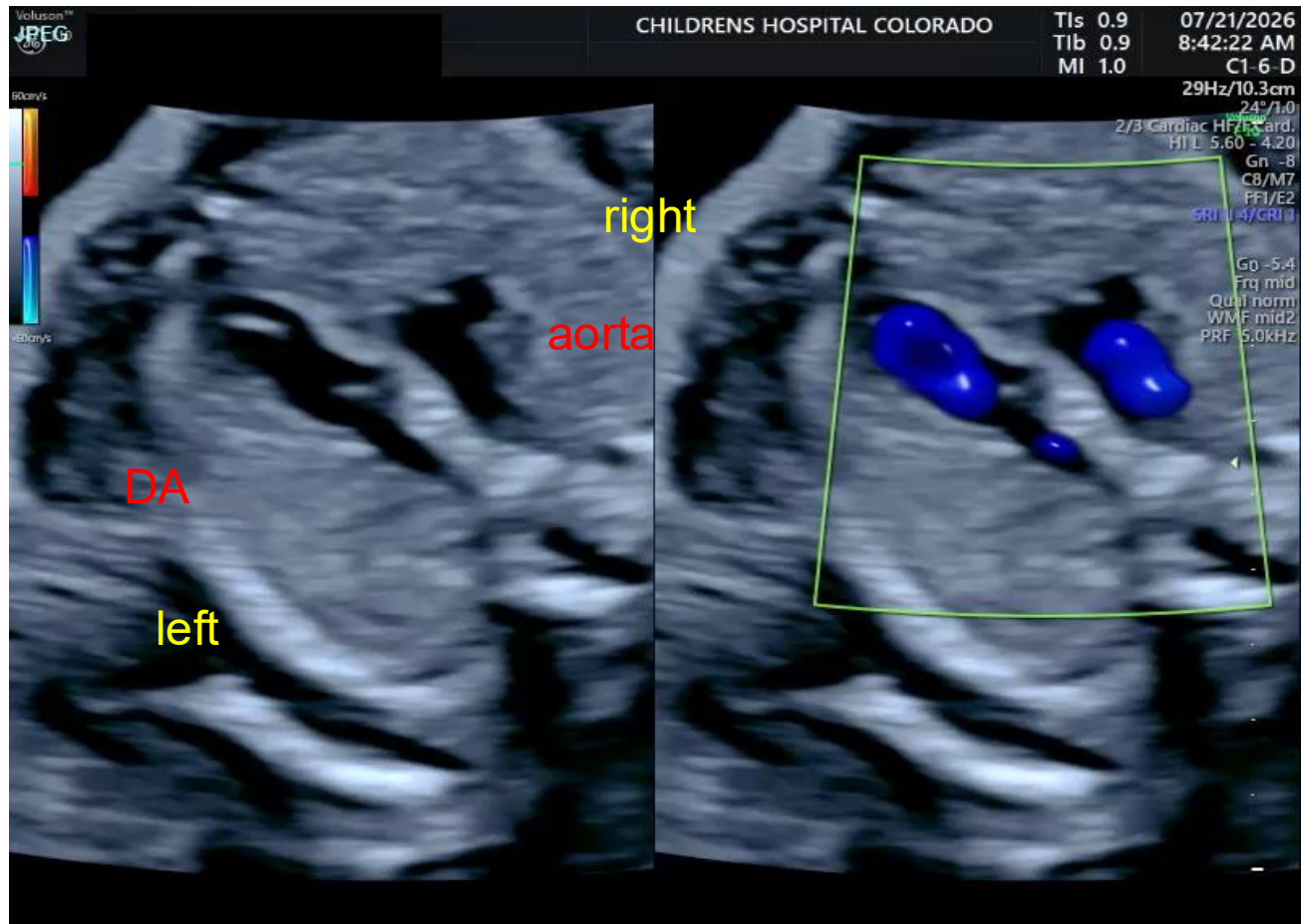
10Hz/10.7cm
75°/3.3
2/3 Cardiac HF/F.Card.
HI M 7.80 - 4.40
Gn -14
C8/M16
FF2/E3
SRI II 3/CRI 2

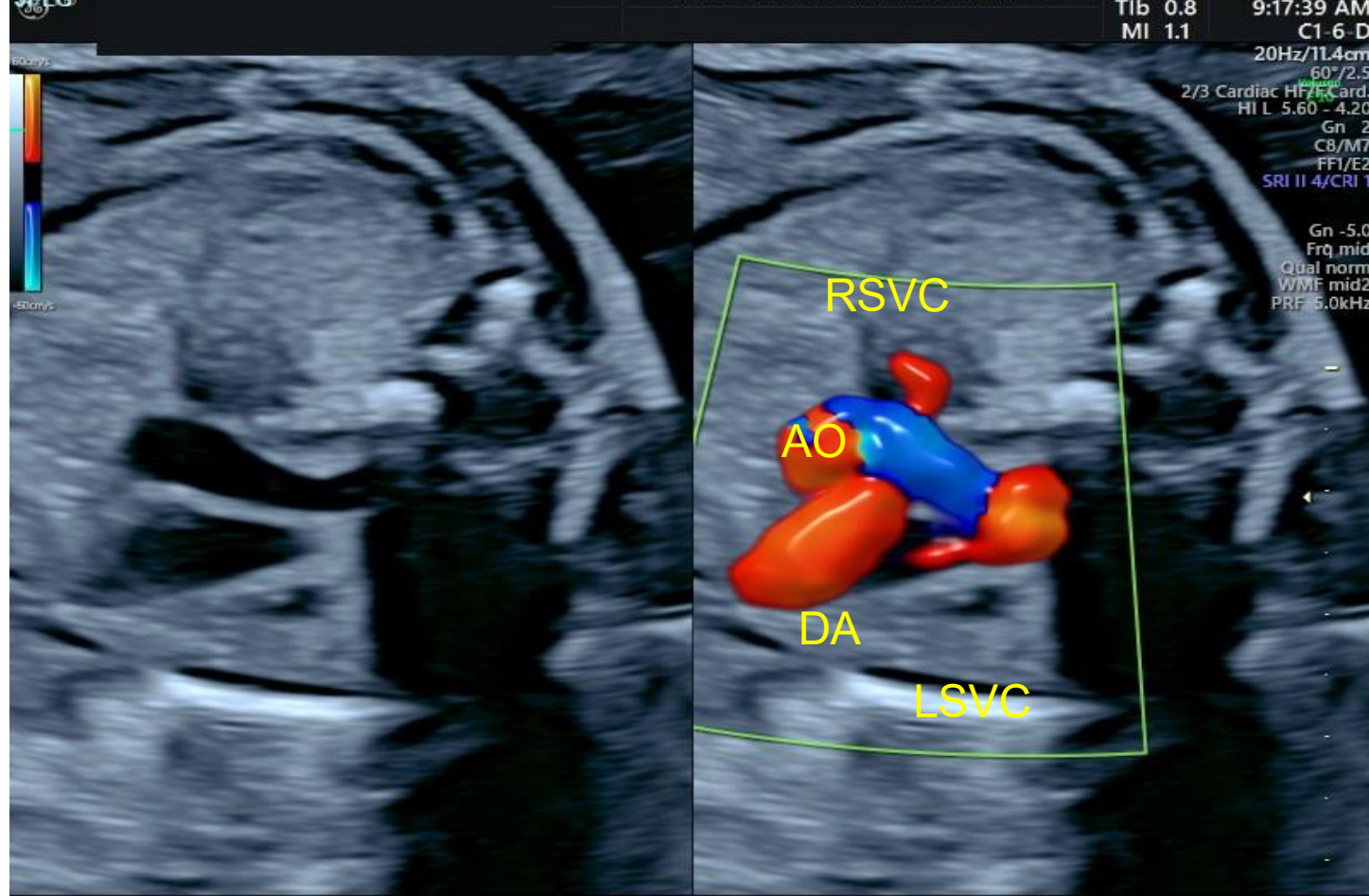
Gn -2.4
Frq low
Qual norm
WMF mid2
PRF 7.5kHz

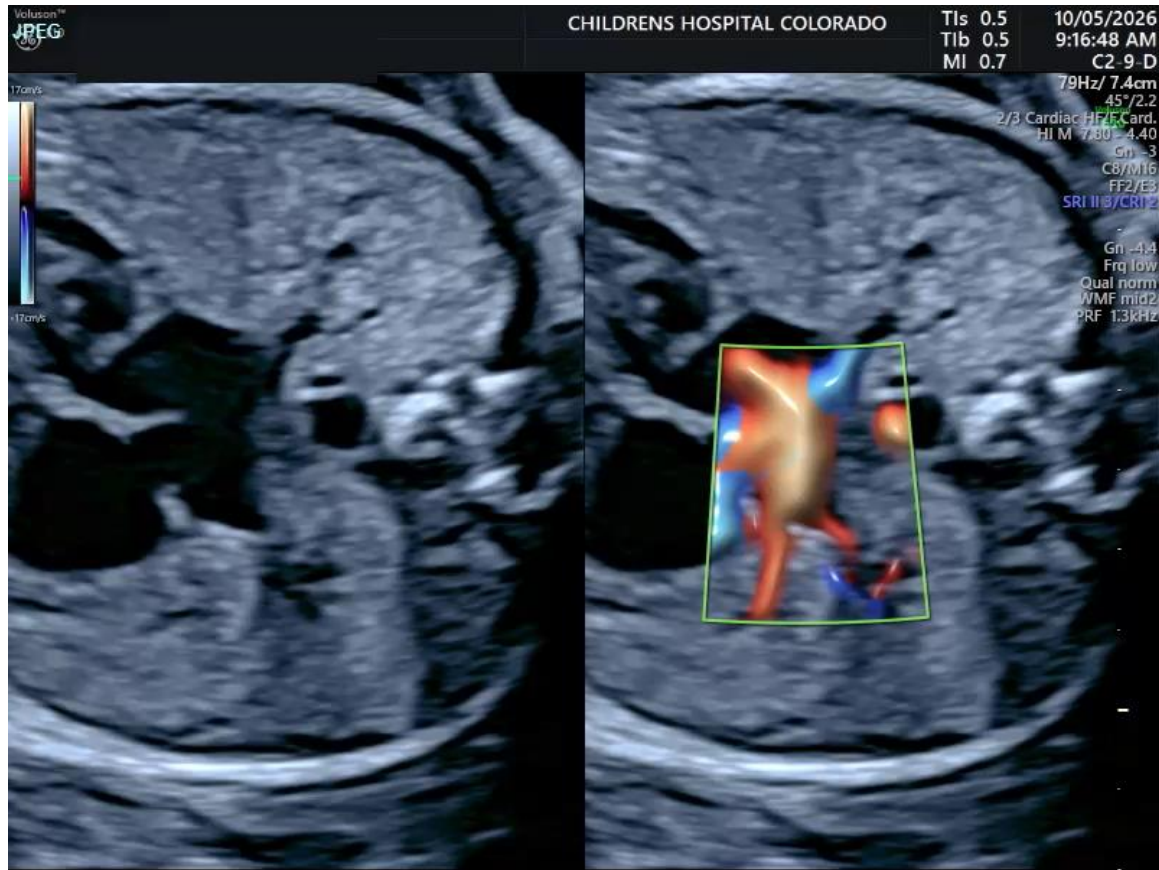


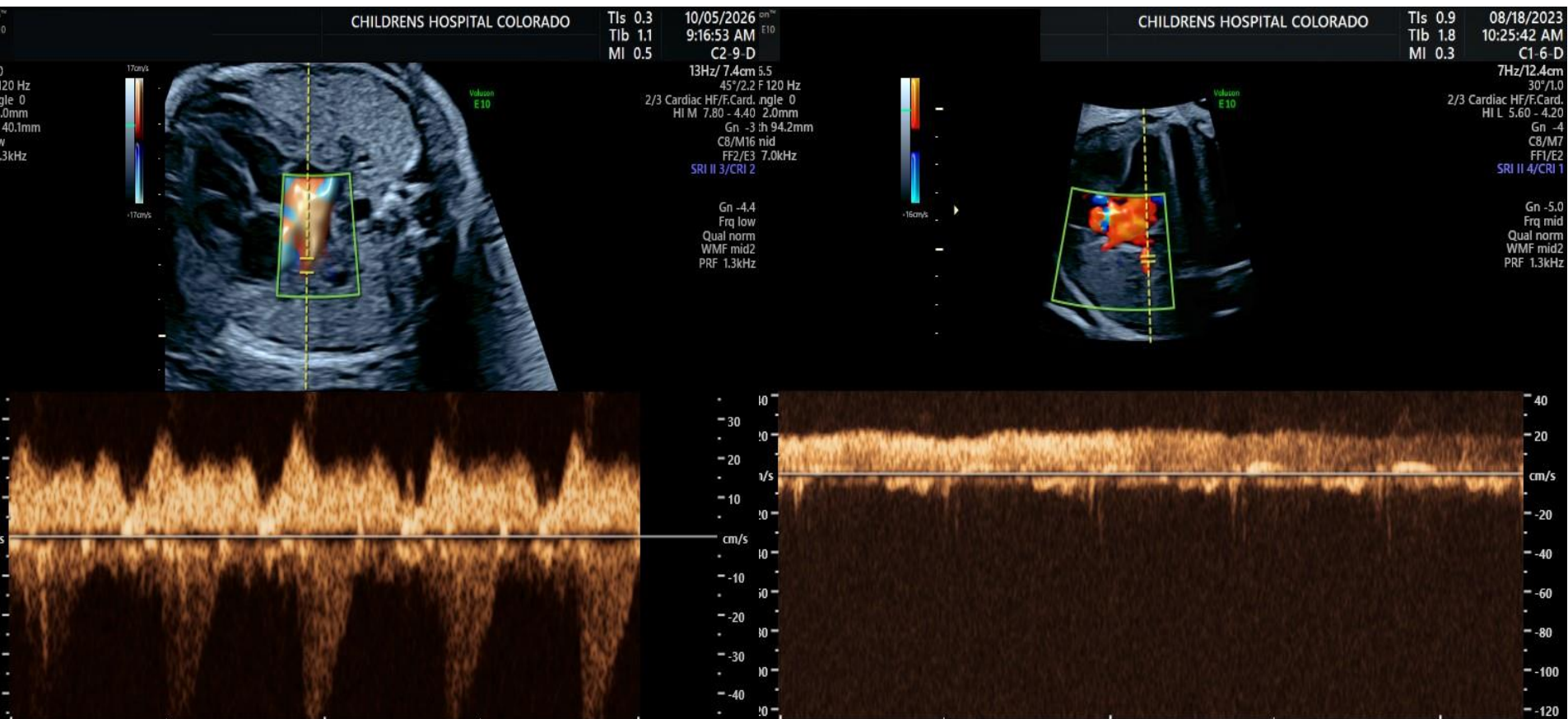


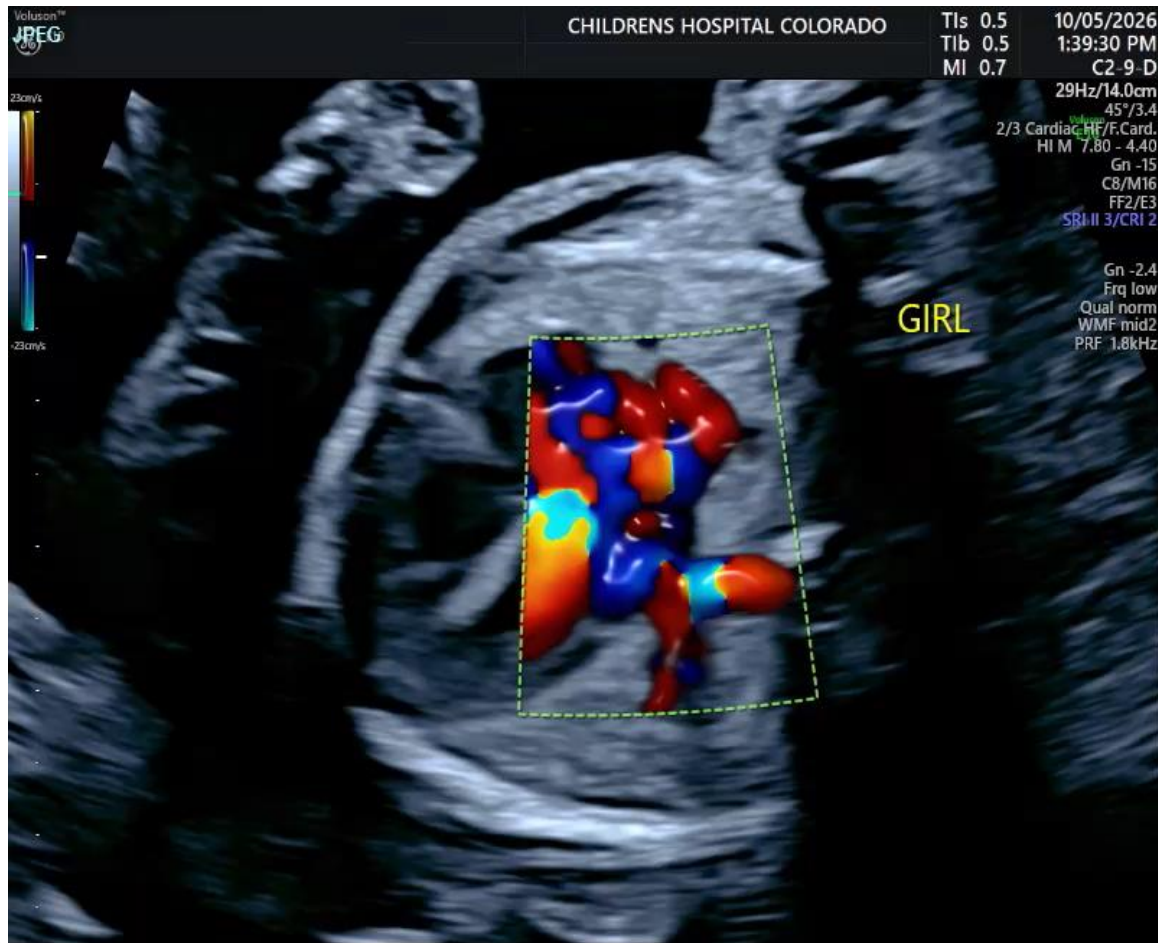






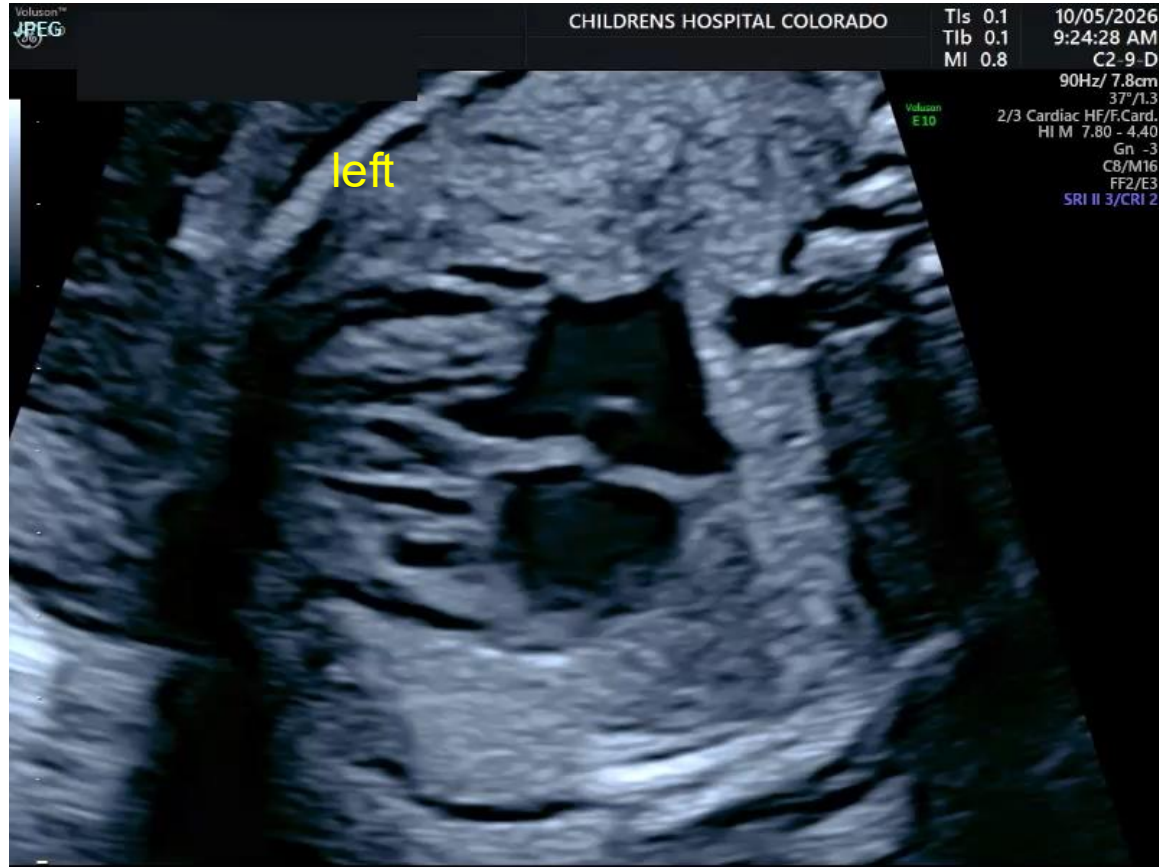


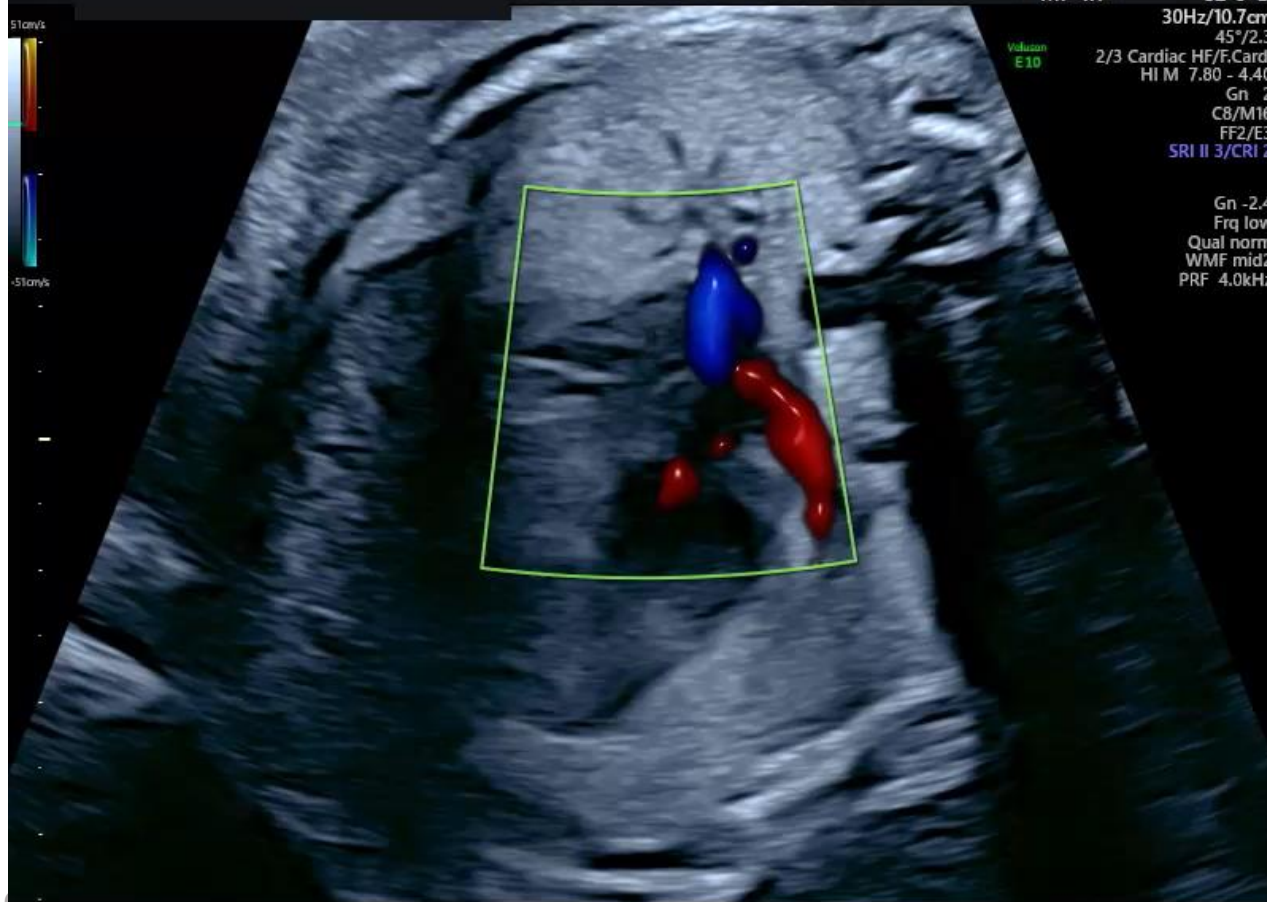


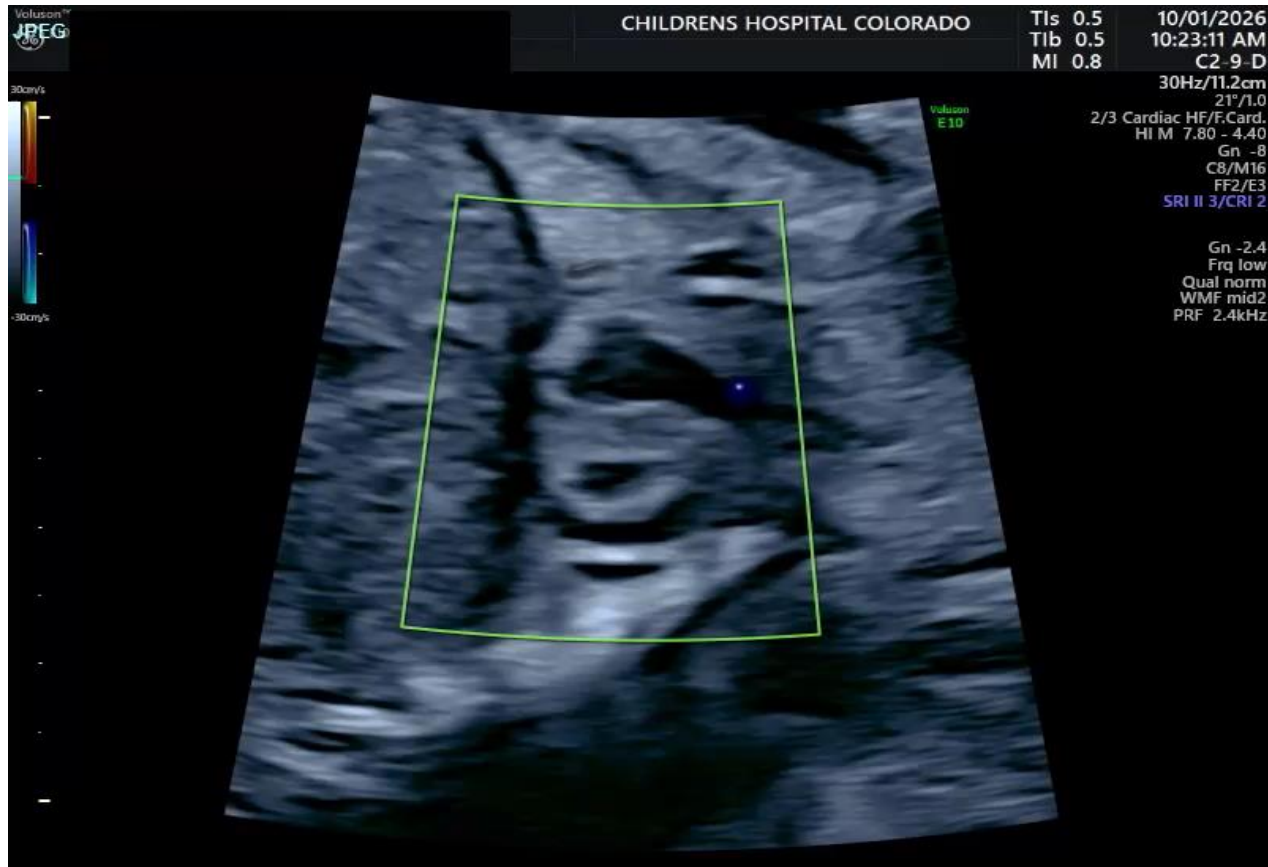


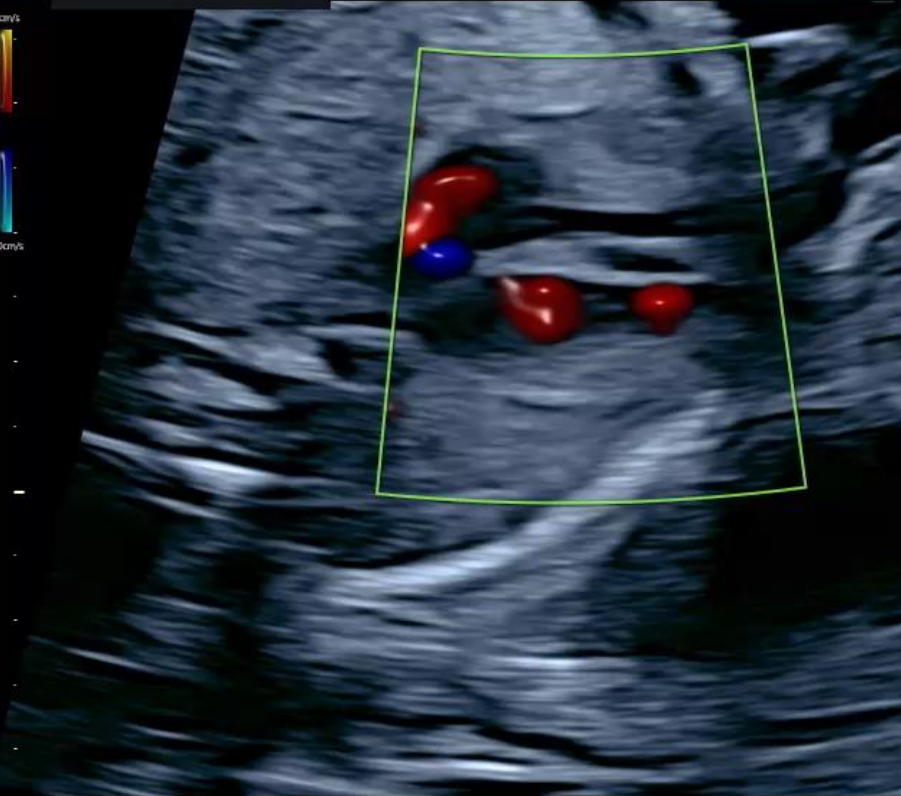












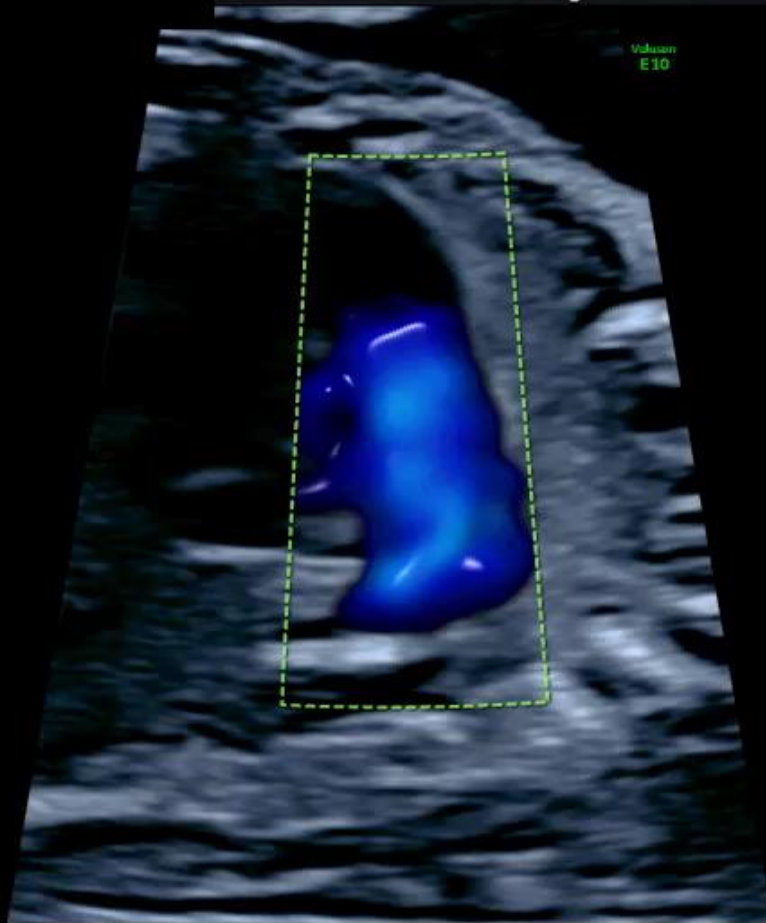


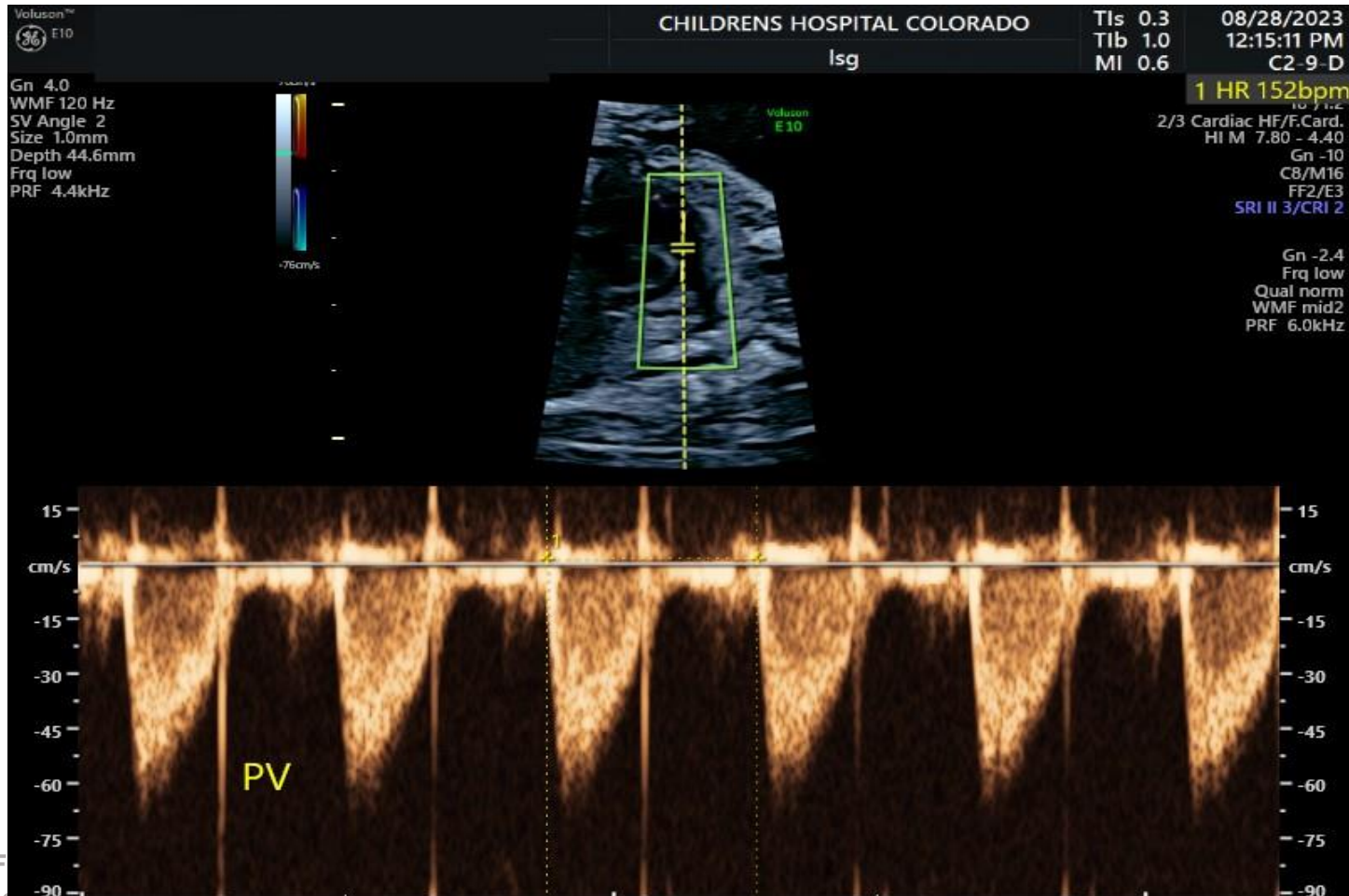






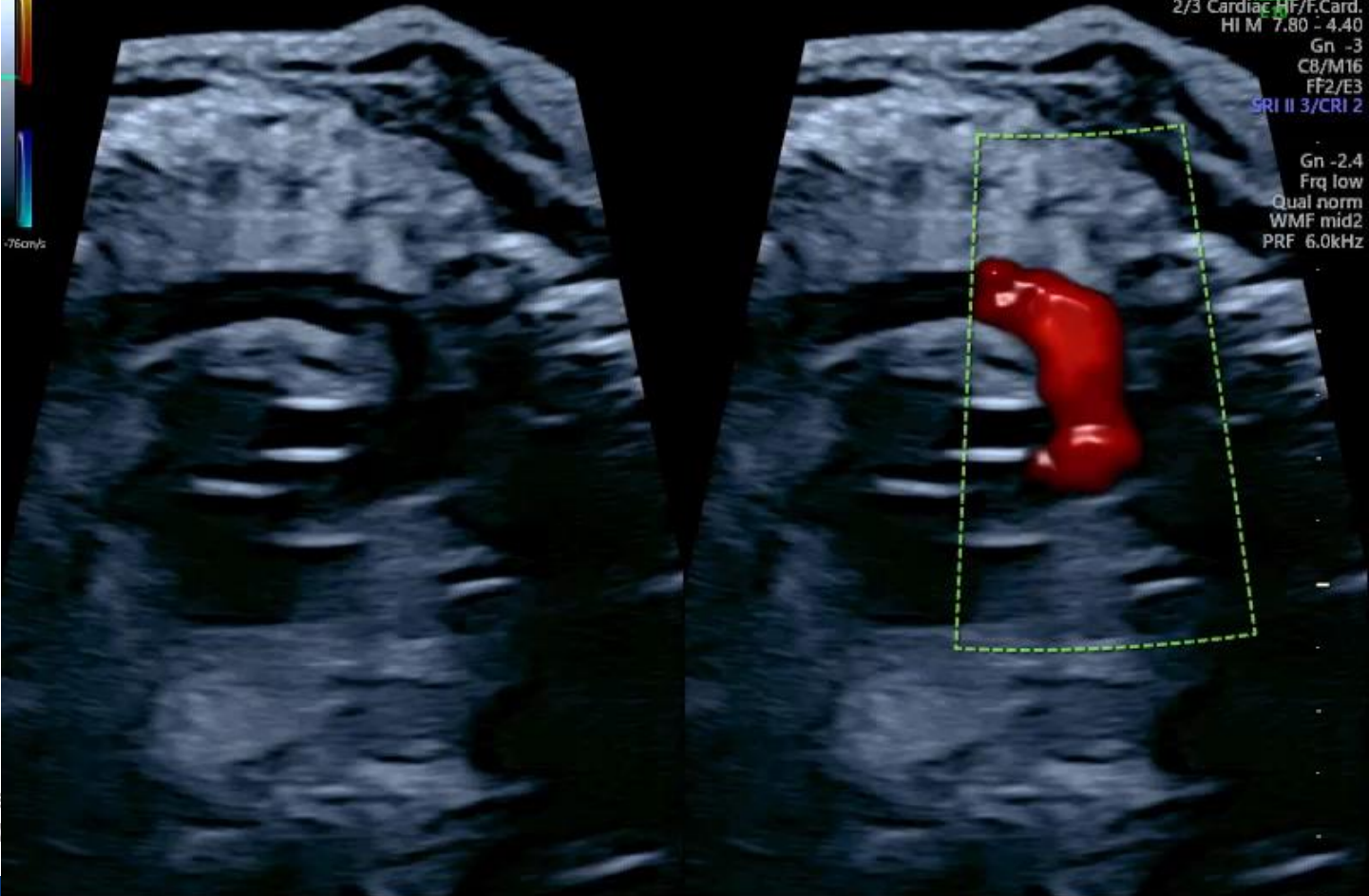


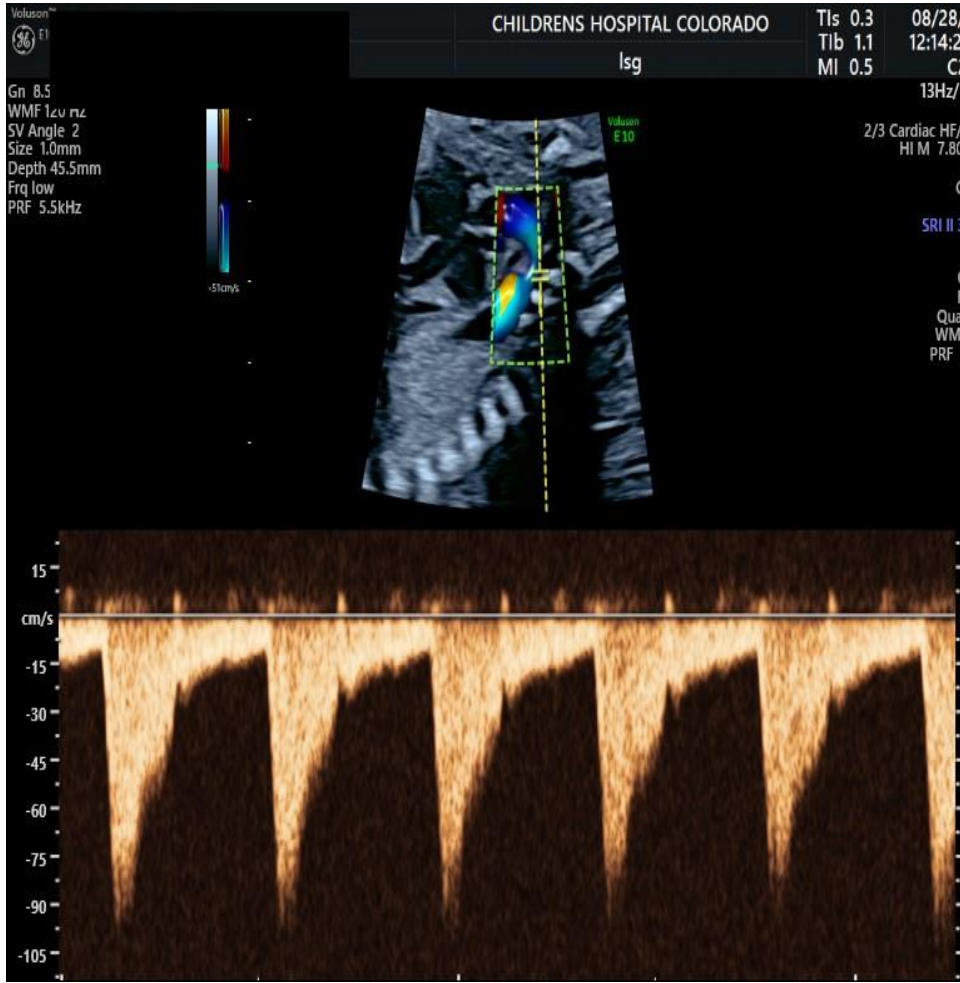
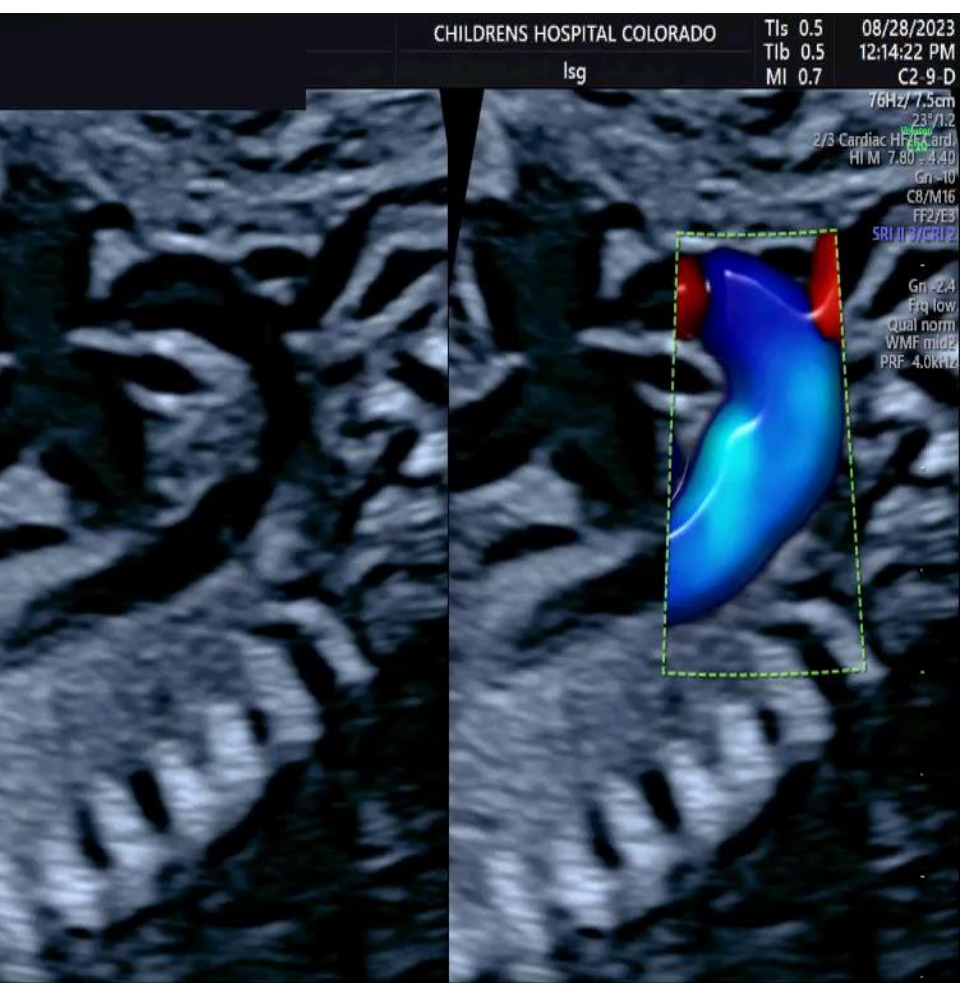










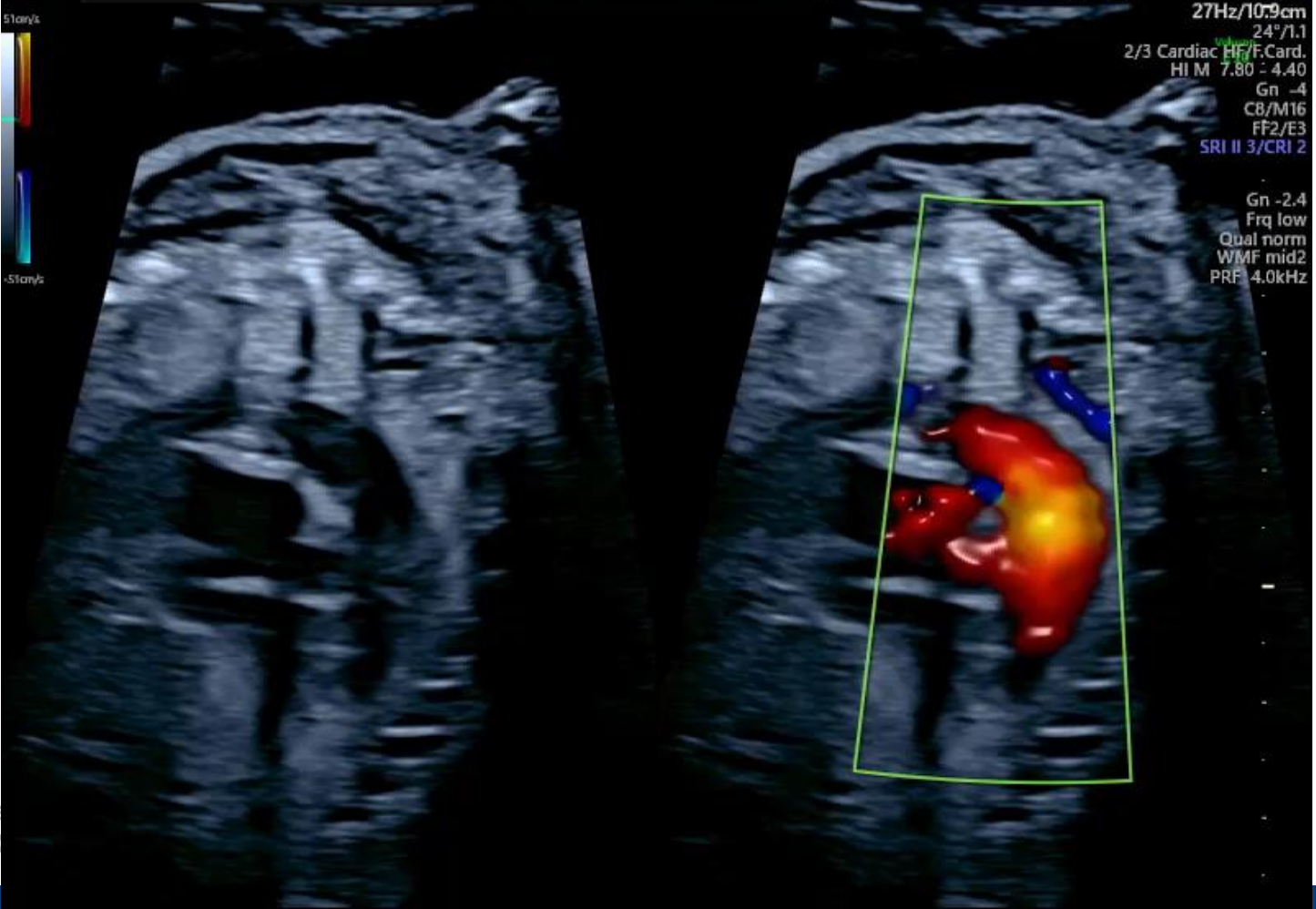


- 1 Ao Asc diam = 0.42 cm
- 2 Transverse Aorta diameter = 0.31 cm
- 3 Ao Isthmus diam = 0.20 cm

lsg

Voluson
E 10





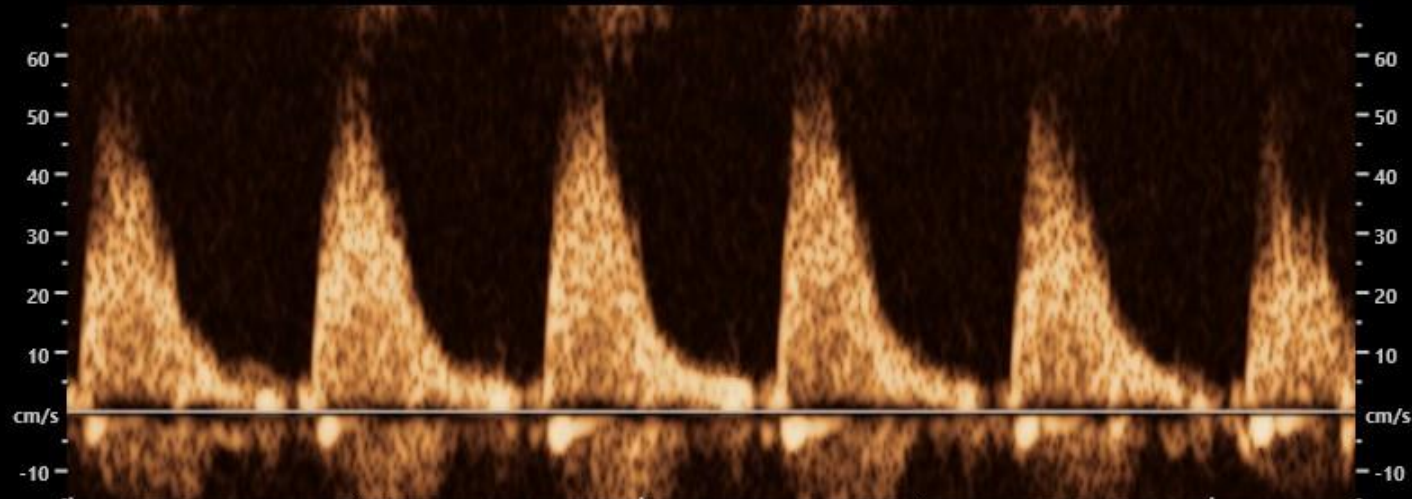
lsg

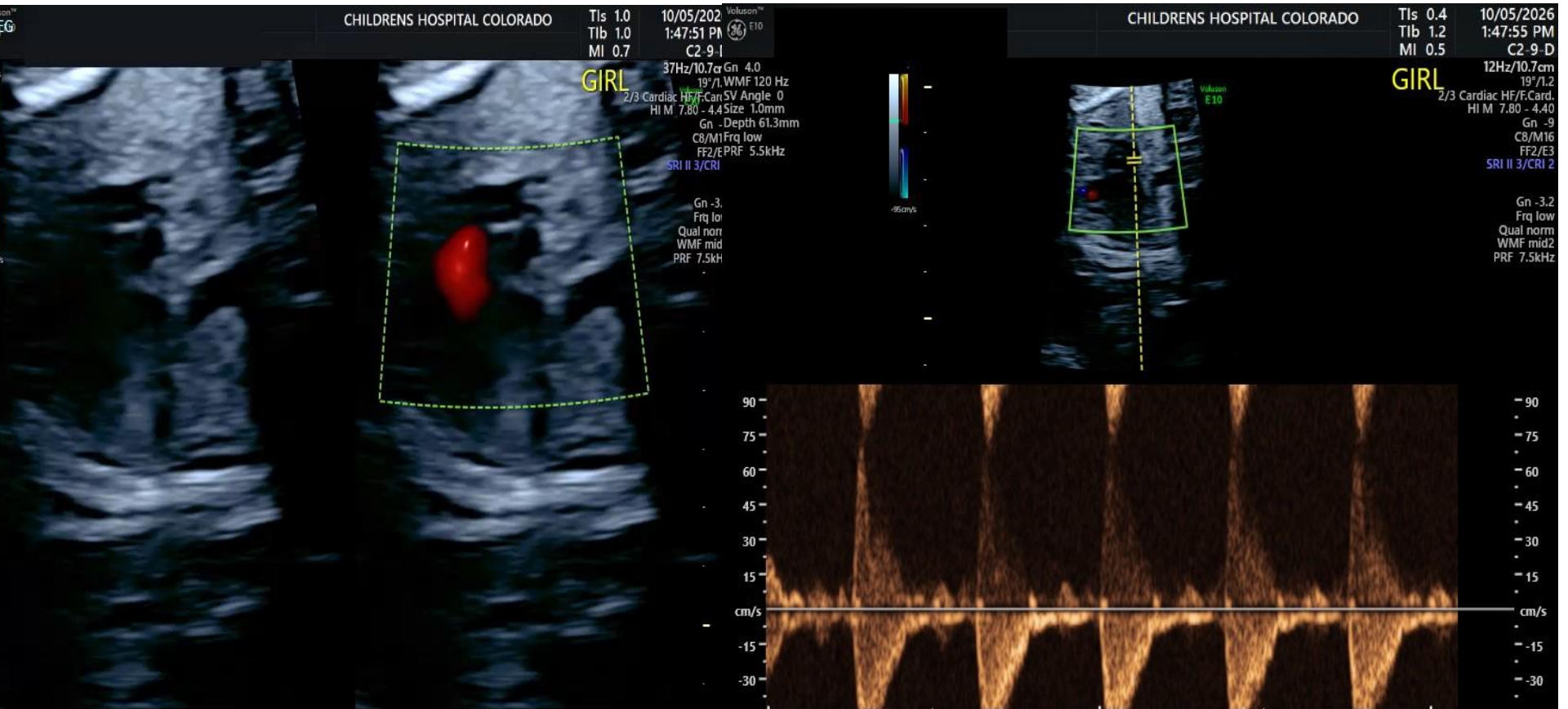
Gn 5.0
WMF 120 Hz
SV Angle 1
Size 2.0mm
Depth 68.2mm
Frq low
PRF 3.3kHz

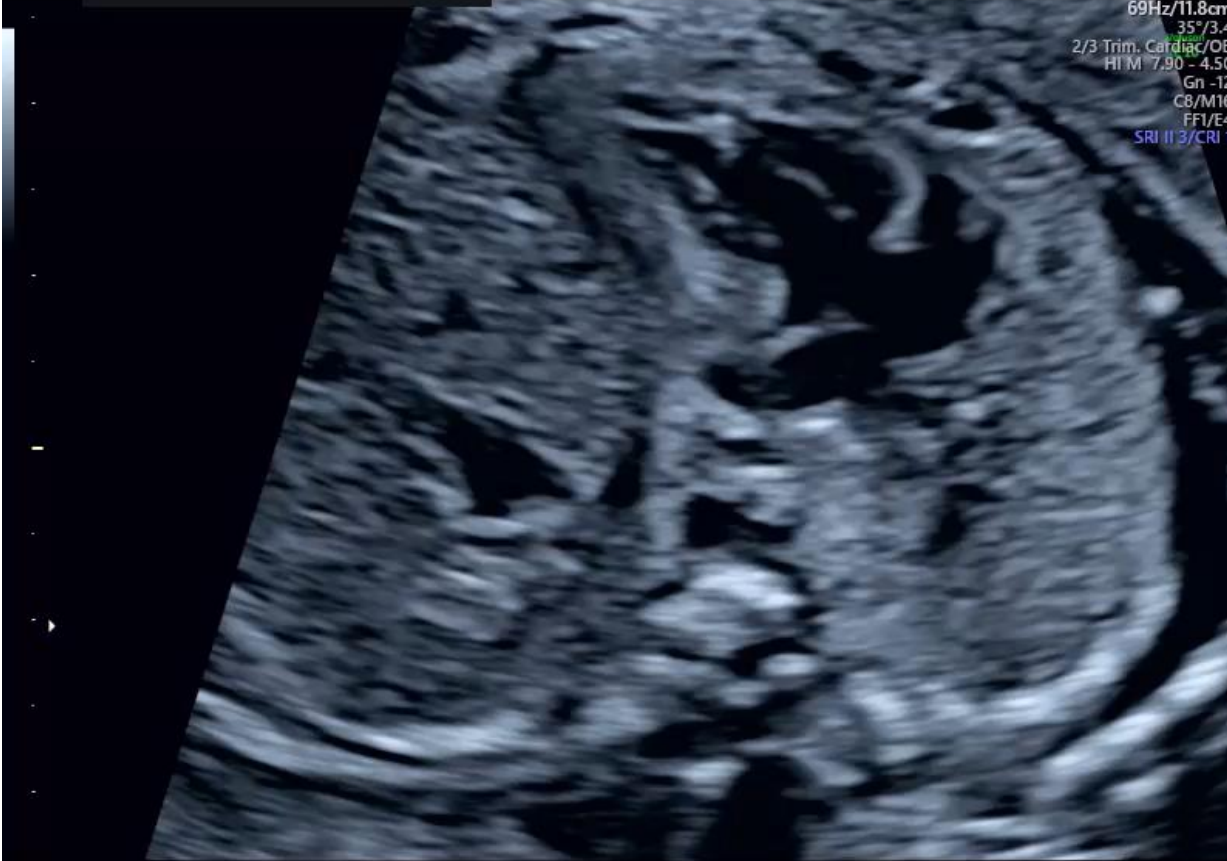


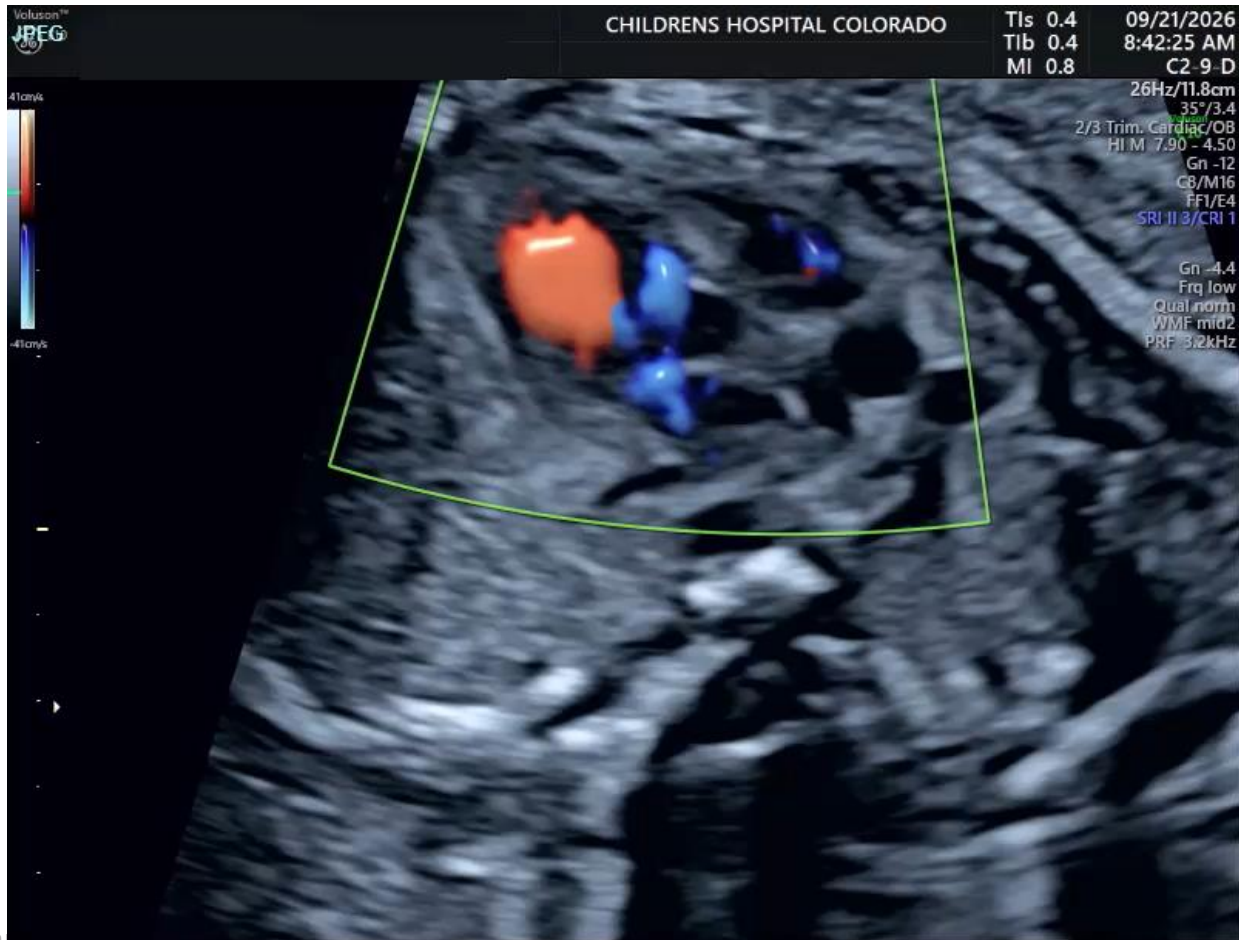
9Hz/10.9cm
24°/1.1
2/3 Cardiac HF/F.Card.
HI M 7.80 - 4.40
Gn -4
C8/M16
FF2/E3
SRI II 3/CRI 2

Gn -2.4
Frq low
Qual norm
WMF mid2
PRF 4.0kHz

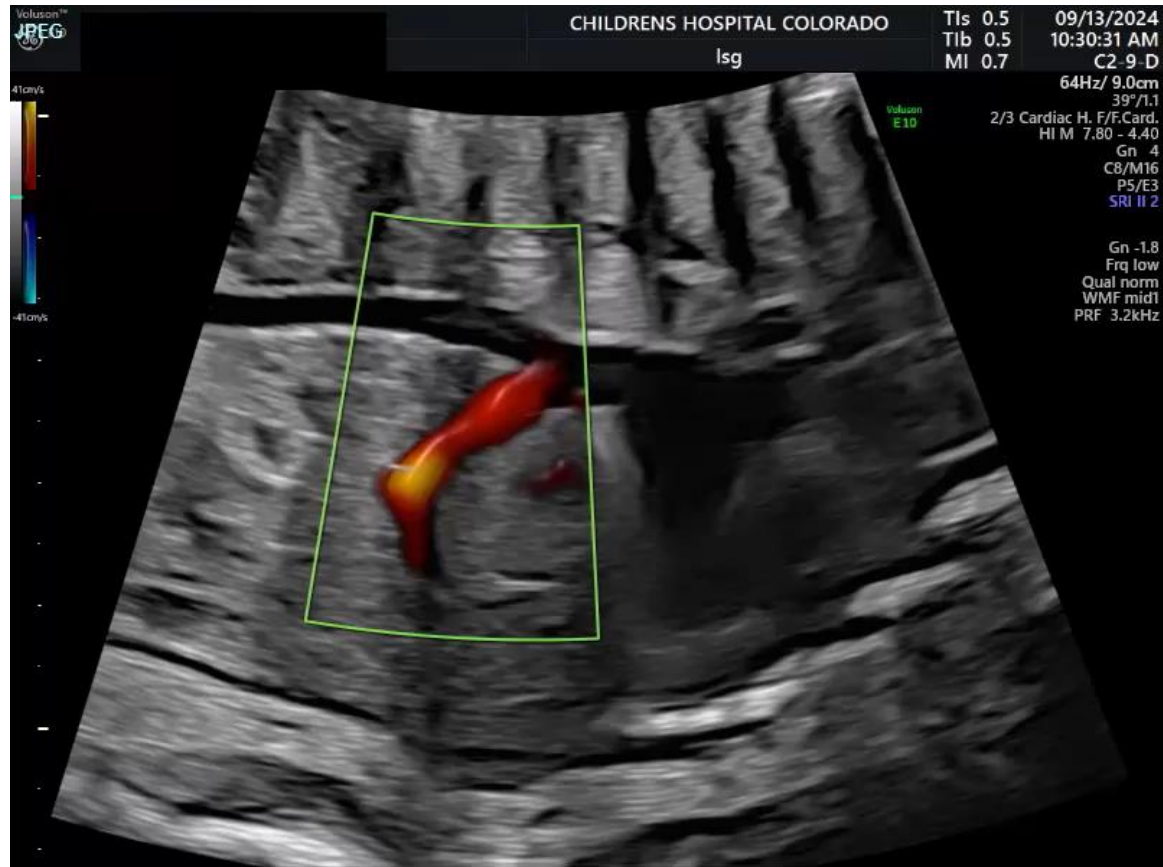












lsg

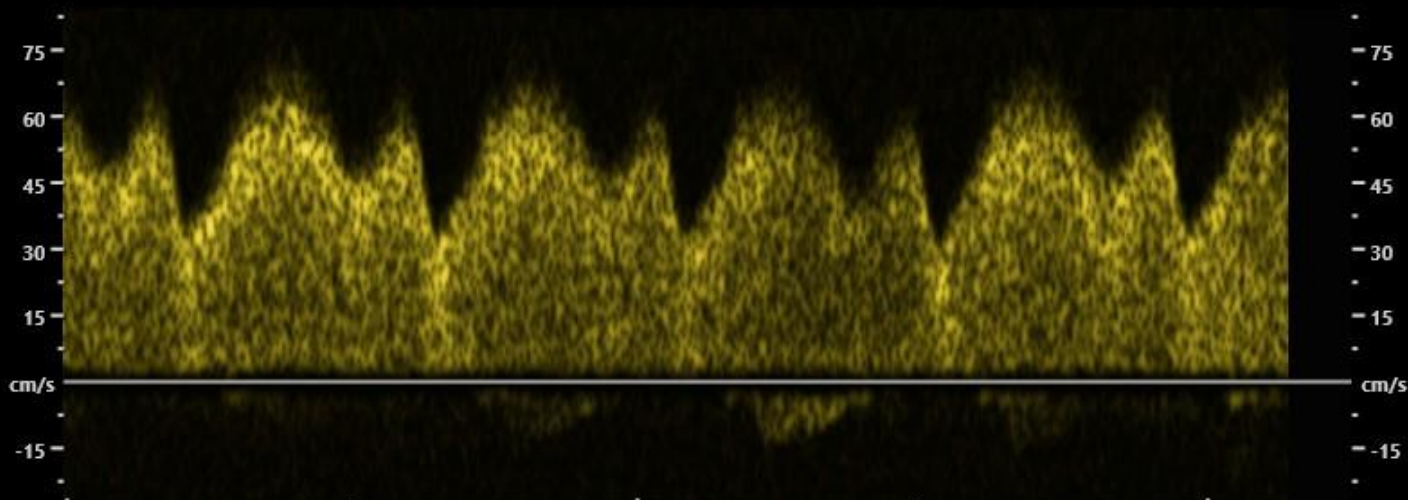
Gn 2.0
WMF 160 Hz
SV Angle 0
Size 2.0mm
Depth 56.5mm
Frq low
PRF 4.4kHz

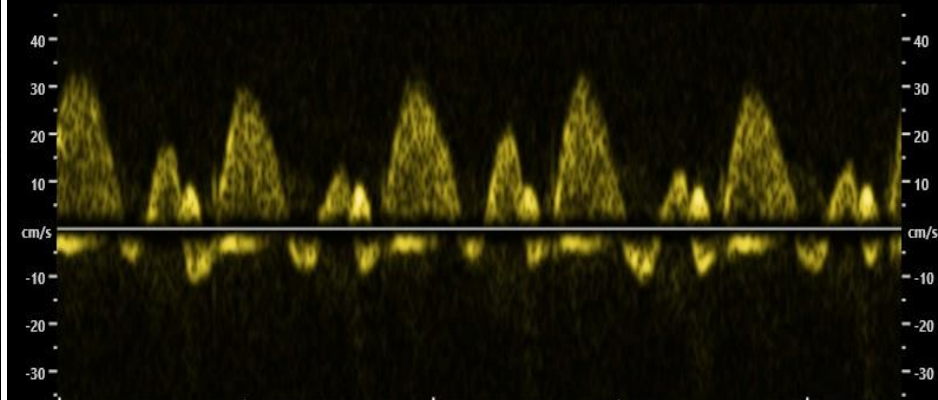
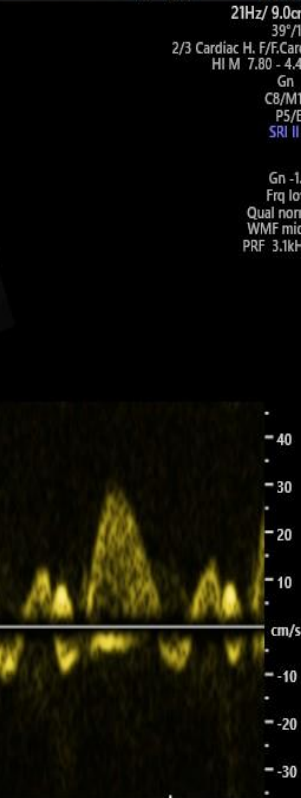
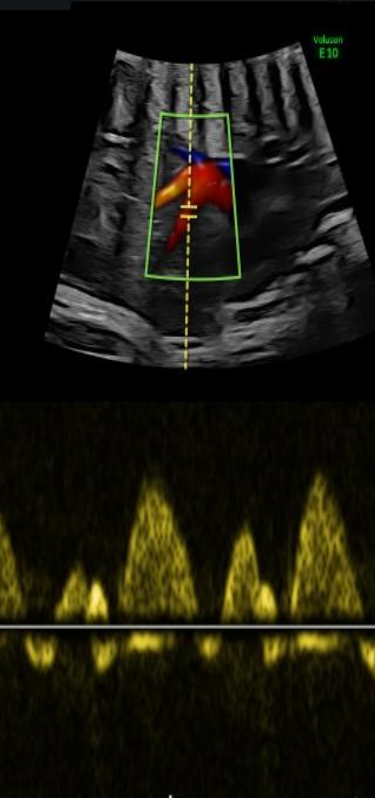
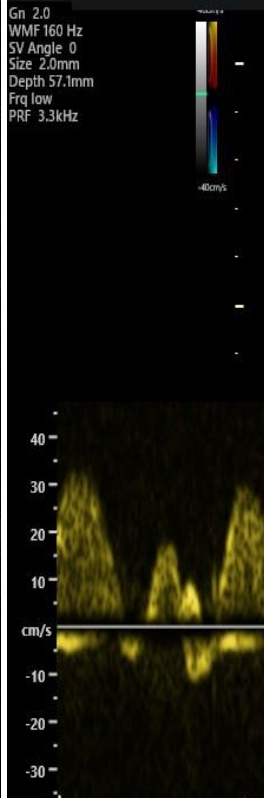
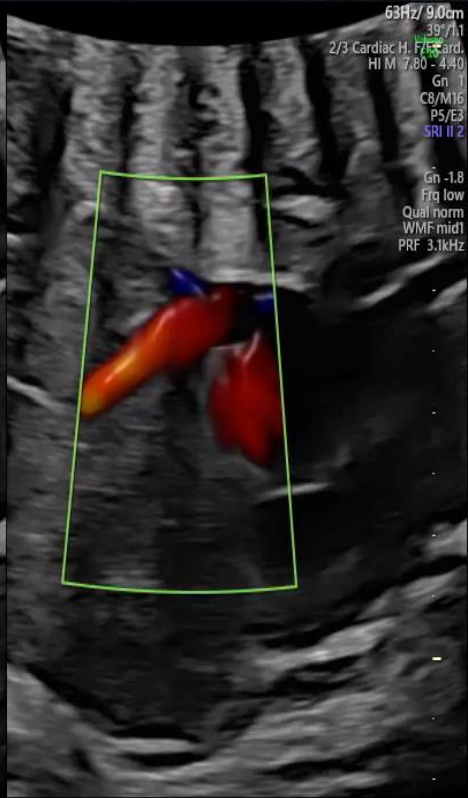
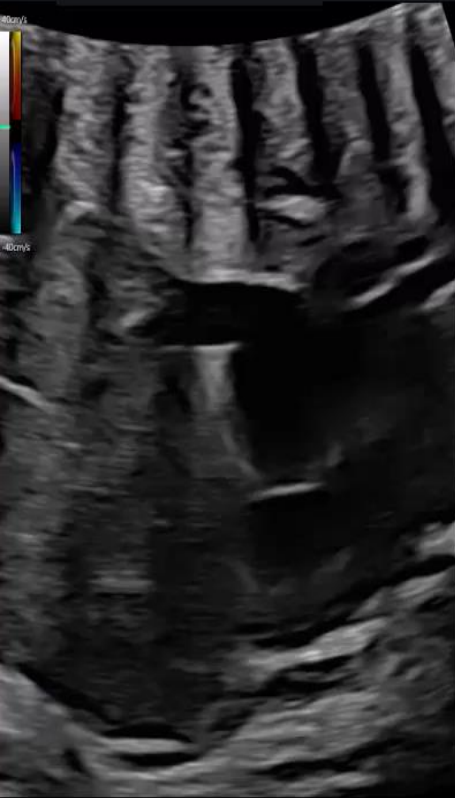
41cm/s
-41cm/s



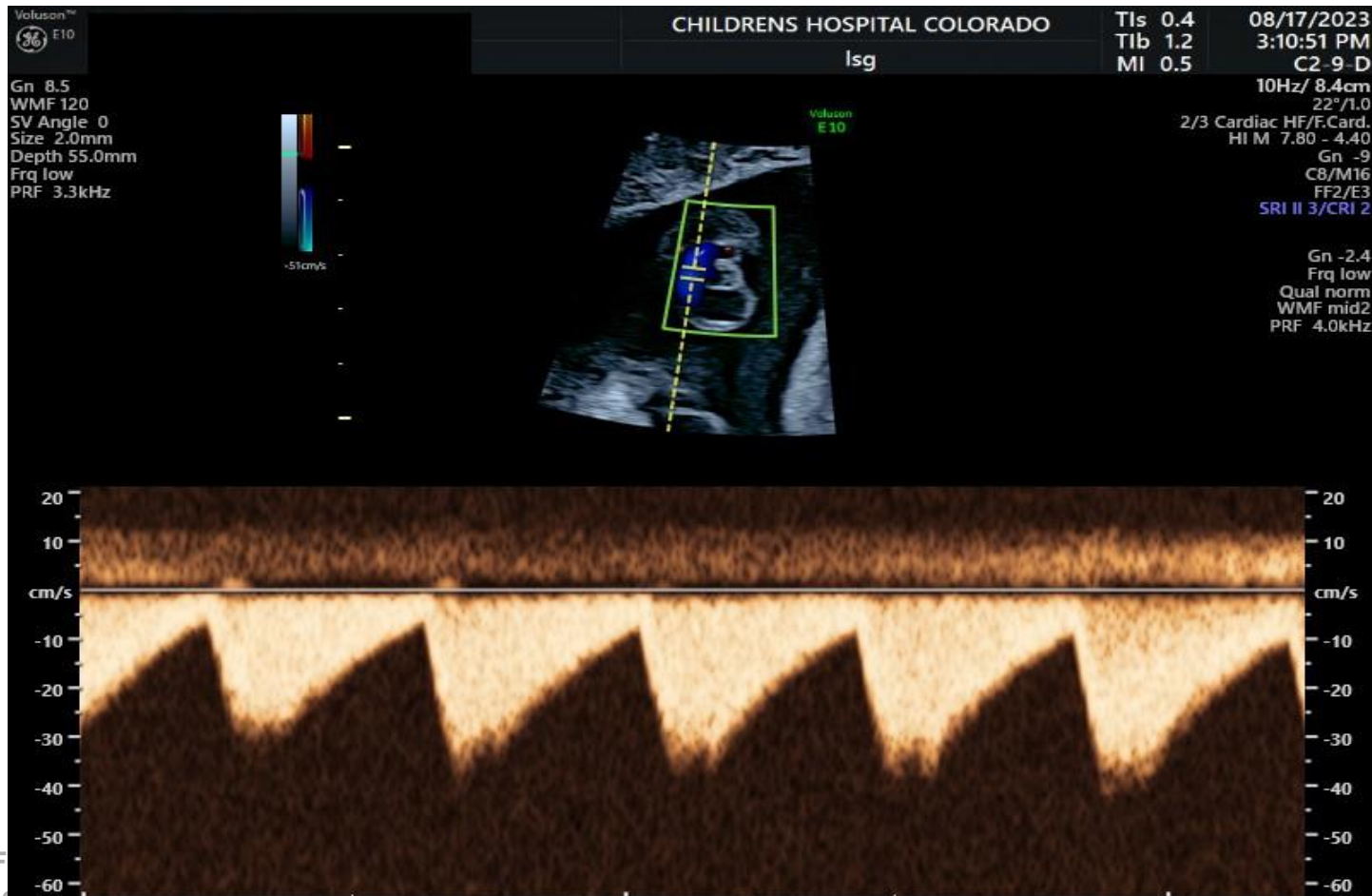
21Hz/ 9.0cm
39°/1.1
2/3 Cardiac H. F/F.Card.
HI M 7.80 - 4.40
Gn 4
C8/M16
P5/E3
SRI II 2

Gn -1.8
Frq low
Qual norm
WMF mid1
PRF 3.2kHz











Card-circ	76.63mm
Heart-A	457.36mm ²
Zs-FL	0.05
Th-circ	146.41mm
Thorax-A	1692.23mm ²
CTCR	0.52
CTAR	0.27

Normal Doppler Velocities

GA (wk)	Aortic valve velocity	Pulmonary valve velocity	Mitral E wave	Mitral A wave	Mitral E/A ratio	Tricuspid E wave	Tricuspid A wave	Tricuspid E/A ratio	Fetal heart rate
13-15	69 (0.9)	72 (1.0)	63 (0.9)	63 (0.9)	63 (0.9)	58 (0.8)	58 (0.8)	58 (0.8)	71 (1.0)
16-18	126 (1.7)	124 (1.7)	104 (1.5)	104 (1.5)	104 (1.5)	103 (1.5)	103 (1.5)	103 (1.5)	116 (1.7)
19-21	6,337 (84.5)	6,260 (84.5)	5,736 (83.9)	5,736 (83.9)	5,736 (83.9)	5,751 (84.0)	5,751 (84.0)	5,751 (84.0)	5,871 (84.2)
22-24	707 (9.4)	700 (9.5)	689 (10.1)	689 (10.1)	689 (10.1)	694 (10.1)	694 (10.1)	694 (10.1)	653 (9.4)
25-27	81 (1.1)	77 (1.0)	78 (1.1)	78 (1.1)	78 (1.1)	79 (1.2)	79 (1.2)	79 (1.2)	83 (1.2)
28-30	98 (1.3)	92 (1.2)	89 (1.3)	89 (1.3)	89 (1.3)	88 (1.3)	88 (1.3)	88 (1.3)	91 (1.3)
31-33	51 (0.7)	50 (0.7)	48 (0.7)	48 (0.7)	48 (0.7)	48 (0.7)	48 (0.7)	48 (0.7)	53 (0.8)
34-36	27 (0.4)	31 (0.4)	28 (0.4)	28 (0.4)	28 (0.4)	26 (0.4)	26 (0.4)	26 (0.4)	35 (0.5)
Total	7,496 (100)	7,406 (100)	6,835 (100)	6,835 (100)	6,835 (100)	6,847 (100)	6,847 (100)	6,847 (100)	6,973 (100)

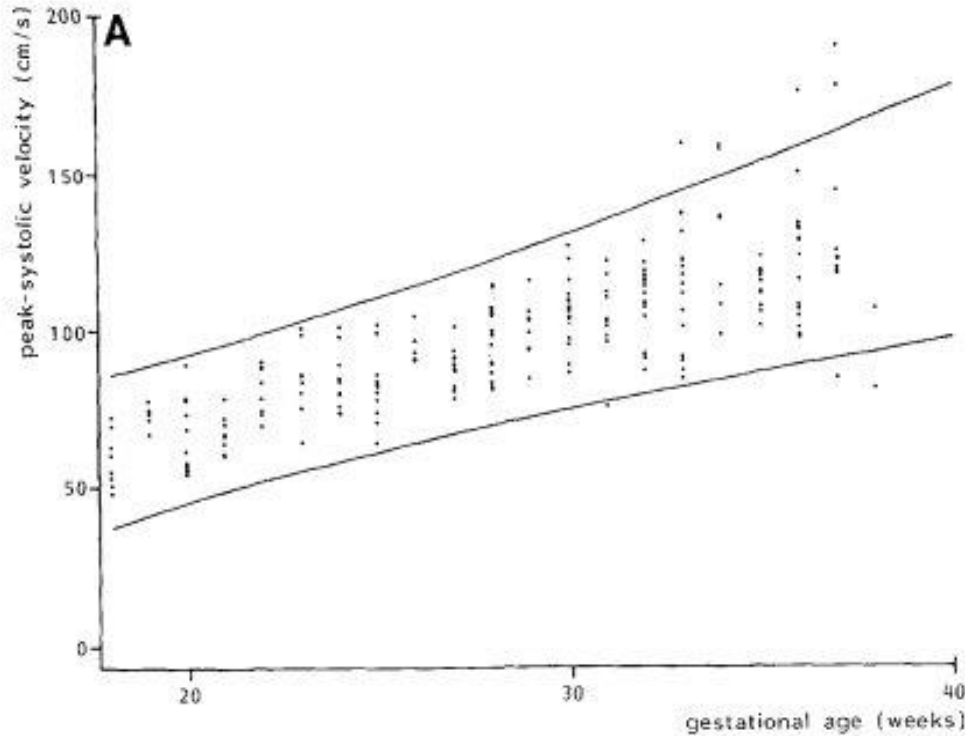
Reference Ranges for Pulsed-Wave Doppler of the Fetal Cardiac Inflow and Outflow Tracts from 13 to 36 Weeks' Gestation

Vita Zidere

Journal of the American Society of Echocardiography 34(9):p 1007-1016e10, September 2021. | DOI: 10.1016/j.echo.2021.04.017

GA	EDV (cm/s)			PSV (cm/s)			TAMXV (cm/s)		
	p5	Mean	p95	p5	Mean	p95	p5	Mean	p95
19	-1.2	8.3	17.8	58	67	77	20	25	29
20	-1.2	8.3	17.9	62	72	82	22	26	31
21	-1.2	8.4	17.9	67	76	86	23	28	32
22	-1.1	8.4	17.9	71	80	90	25	29	34
23	-1.1	8.4	17.9	74	84	94	26	30	35
24	-1.1	8.5	18.0	78	88	97	27	32	36
25	-1.0	8.5	18.0	81	91	100	28	33	37
26	-1.0	8.5	18.0	84	94	103	29	34	38
27	-1.0	8.5	18.1	86	96	106	30	35	39
28	-1.0	8.6	18.1	89	98	108	31	36	40
39	-0.9	8.6	18.1	91	100	110	32	36	41
30	-0.9	8.6	18.2	92	102	112	32	37	41
31	-0.9	8.7	18.2	93	103	113	33	37	42
32	-0.8	8.7	18.2	94	104	114	33	38	42
33	-0.8	8.7	18.2	95	104	114	33	38	42
34	-0.8	8.8	18.3	95	104	114	33	38	42
35	-0.7	8.8	18.3	94	104	114	33	38	42
36	-0.7	8.8	18.3	94	103	113	33	38	42
37	-0.7	8.8	18.4	92	102	112	33	37	42

Reference ranges for Doppler parameters of the fetal aortic isthmus during the second half of pregnancyView article pageM. del Río, J. M. Martínez, F. Figueras, M. López, M. Palacio, O. Gómez, O. Coll, B. PuertoCopyright © 2006 ISUOG. Published by John Wiley & Sons, Ltd.<https://doi.org/10.1002/uog.2827>



Blood flow velocity waveforms of the fetal pulmonary artery and the ductus arteriosus: reference ranges from 13 weeks to term

G. Mielke, N. Brenda



Thank you!