

Patient Presentation: Ebstein's anomaly

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Case Presentation

- 1 day old born at 39w3d transferred from outside hospital
 - Elective c section
 - Heart rate found to be in 240s shortly after birth, consistent with SVT
 - Total of 7 doses of adenosine, esmolol drip at 200mcg/kg/min
 - Transferred to our institution
- Family history negative for cardiac disease
- Exam with normal rhythm at time of exam, normal S1, gallop vs widely split S2, II/VI systolic ejection murmur, peripheral pulses 2+

3:05:37:43 PM

RTABLE

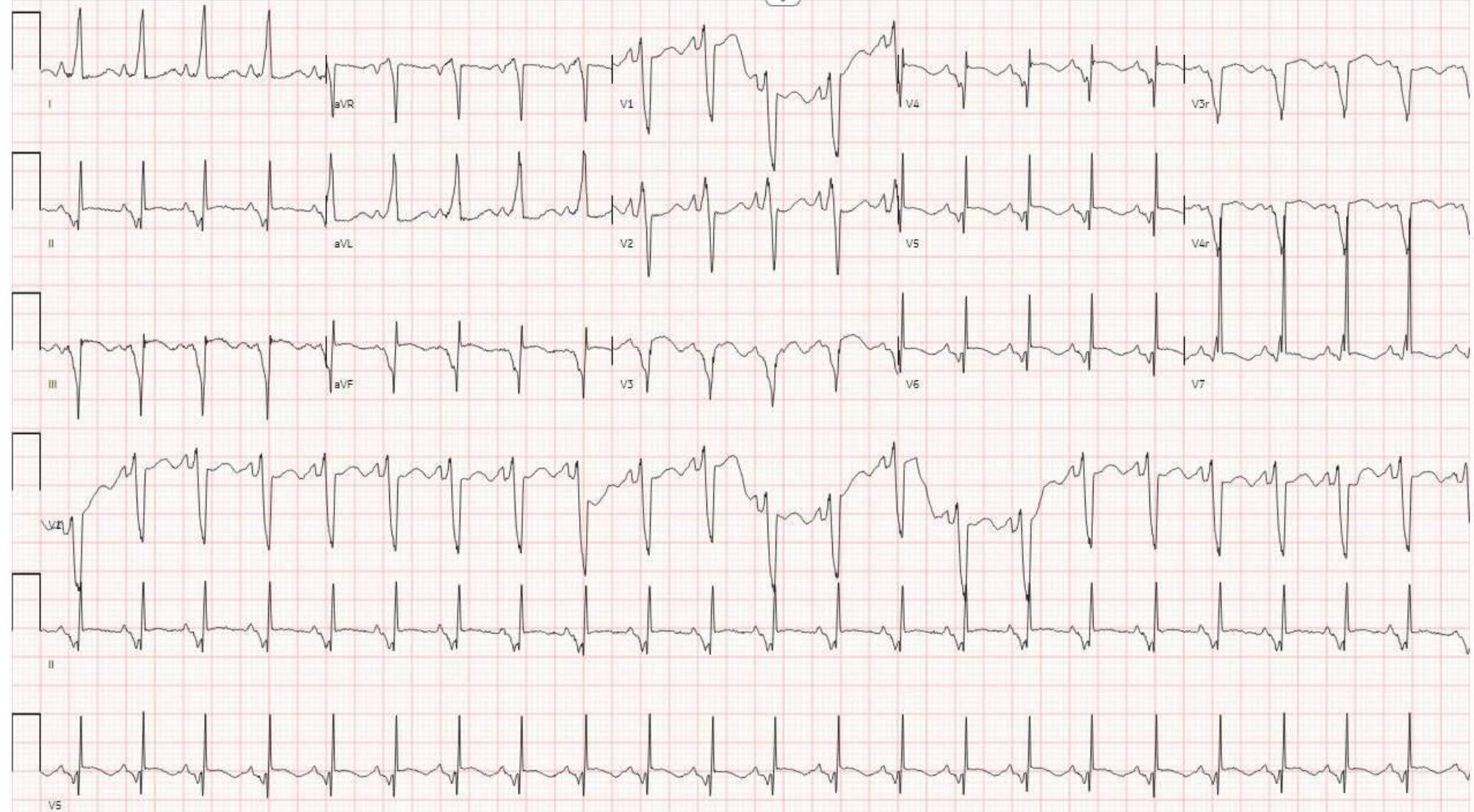
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Vent. rate: 136 BPM
PR Interval: 128 ms
QRS duration: 108 ms
QT/QTcB: 280 / 426 ms
P-R-T Axis: 44 / -15 / 72

NORMAL SINUS RHYTHM
WOLFF-PARKINSON-WHITE
ABNORMAL ECG



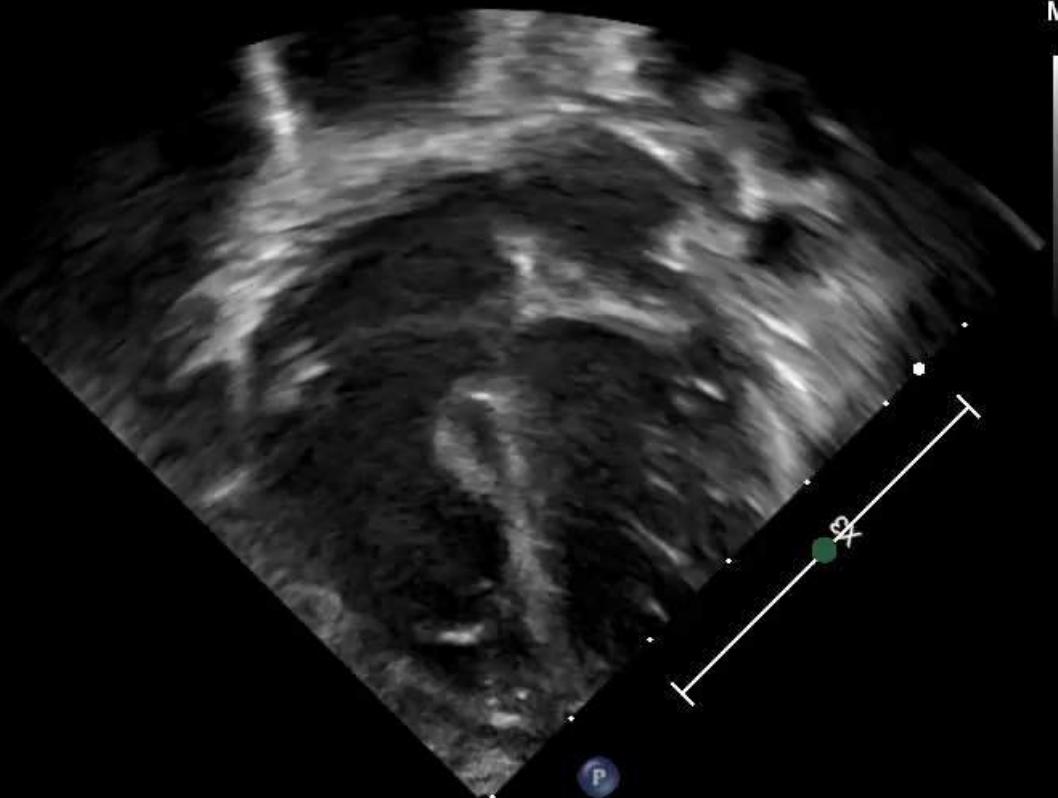
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NORMAL SINUS RHYTHM
WOLFF-PARKINSON-WHITE
ABNORMAL ECG



Pediatric
S8-3
87Hz
7.0cm
2D
59%
C 50
P Off
Gen

G
P  R



TIS1.4 MI 0.6 Pediatric

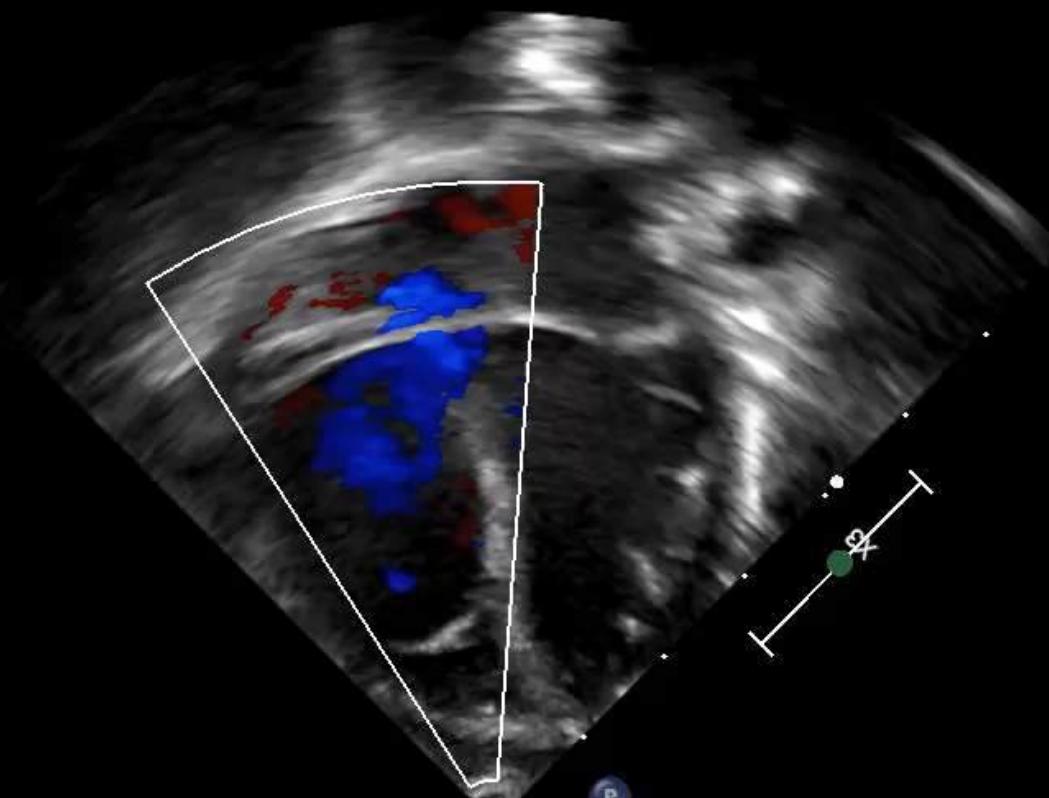
M4

2D
59%
C 50
P Off
Gen

CF
40%
6600Hz
WF 659Hz
3.3MHz

G
P  R

141 bp



TIS1.4 MI 1.0

M4 M4

+77.0

77.0
cm/s

140 bpm

PHILIPS

TIS0.8 MI 1.2

PHILIPS

TIS1.2 MI 1.2

S8-3/CHOP1

S8-3/CHOP1

FR 61Hz
7.0cm

2D
71%
C 49
P Off
HGen



JPEG

131 bpm

M4

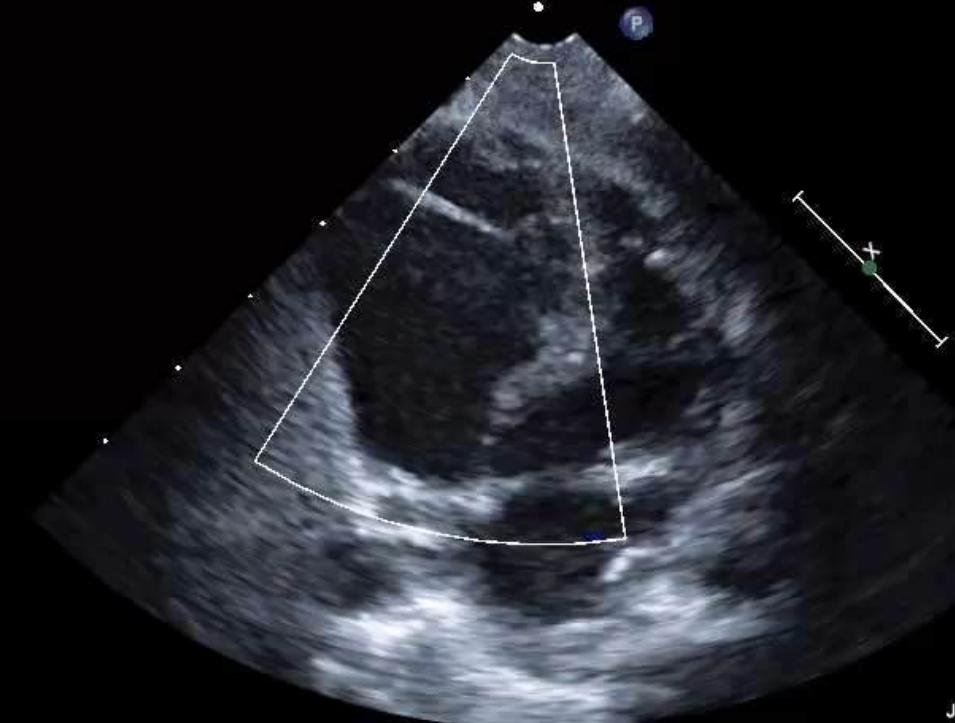
FR 23Hz
7.0cm

2D
73%
C 49
P Off
HGen

CF
75%
3.0MHz
WF Max
Med

G P R

2.6 5.2



JPEG

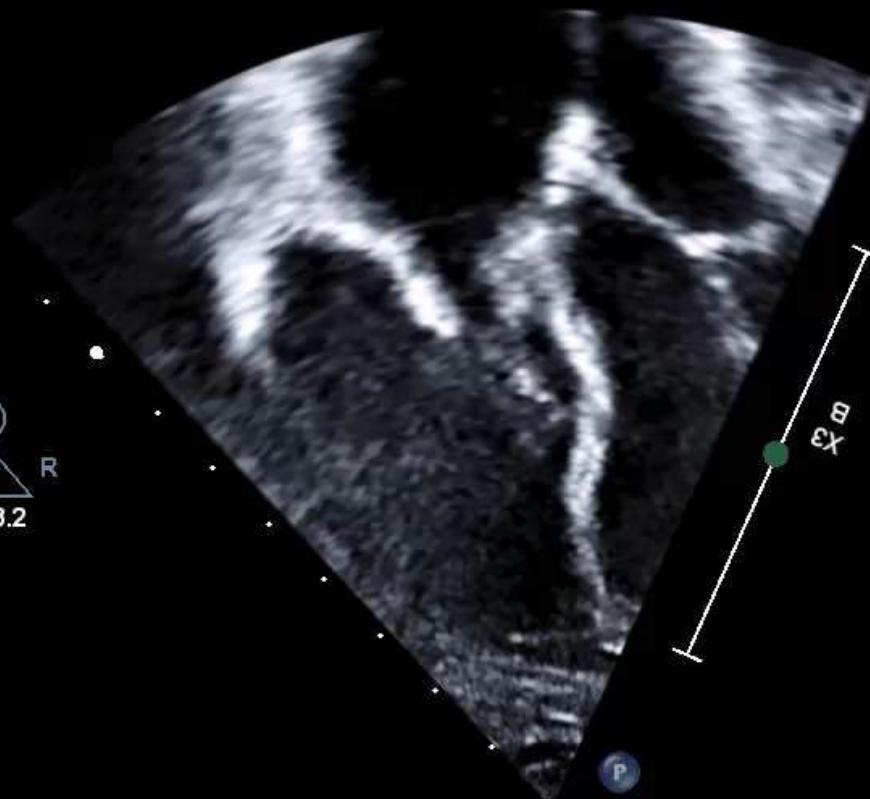
134 bpm

Case Presentation

- At 3 years of age underwent Cone procedure and partial ASD closure and WPW ablation (right posterior accessory pathway ablation)
 - Uneventful post operative course, transferred out of ICU on POD2
- Currently with no cardiac medications, asymptomatic with follow up every 6 months

CHOP S5
S5-1
85Hz
10cm
2D
71%
C 47
P Low
HGen

(G)
P 1.6 3.2 R



TIS0.5 MI 1.3 CHOP S5
M3
2D
78%
C 47
P Low
HGen
CF
40%
6112Hz
WF 611Hz
2.5MHz
(G)
P 1.6 3.2 R

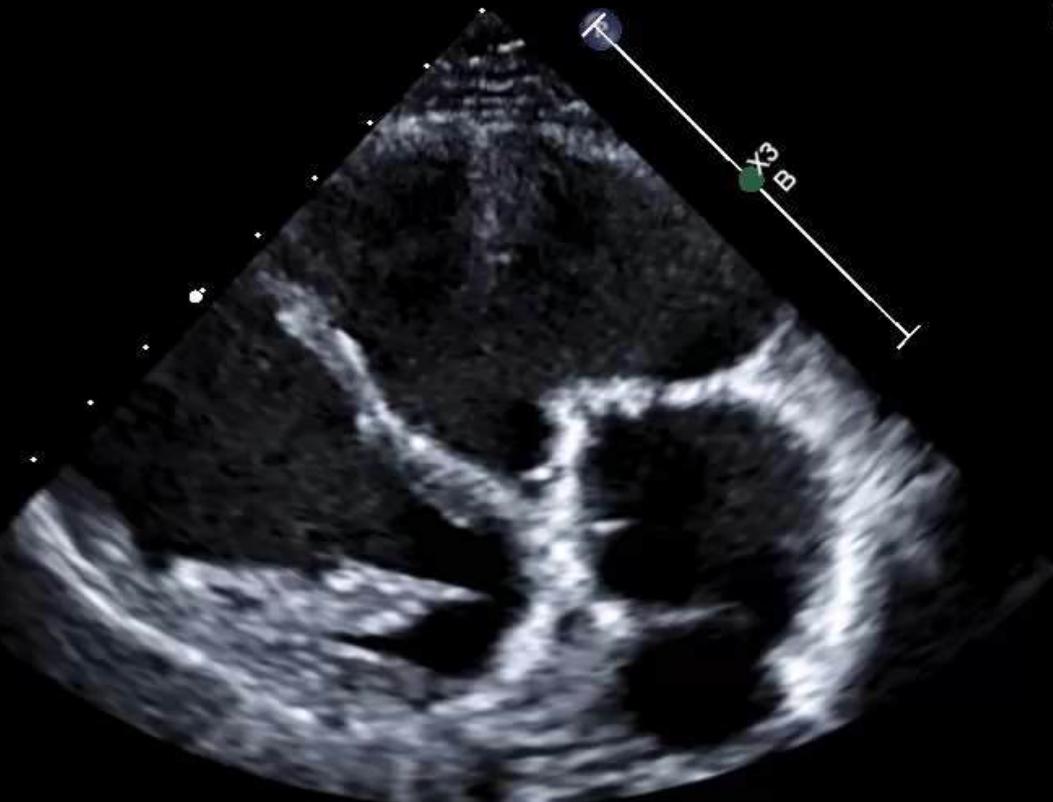
83 bpm



TIS1.3 MI 1.2
M3 M4
+94.0 cm/s
-94.0 cm/s

CHOP S5
S5-1
65Hz
10cm
2D
70%
C 47
P Low
HGen

G
P 1.6 3.2 R



TIS0.5 MI 1.3

M3

TIS1.4 MI 1.3

CHOP S5

S5-1
28Hz
10cm

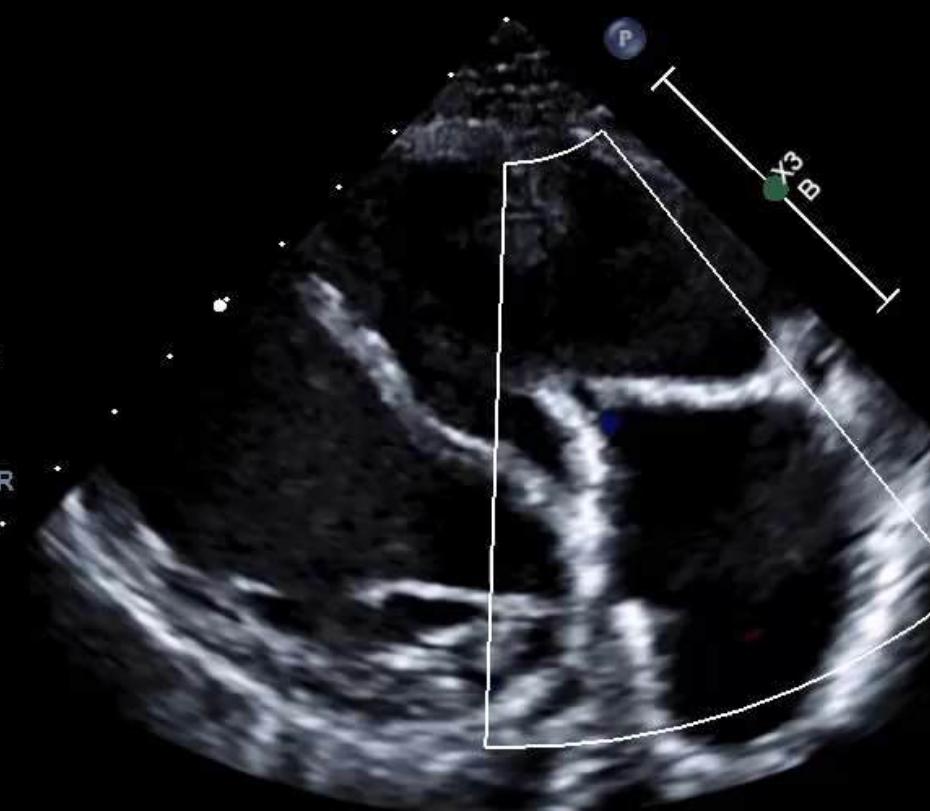
2D
73%
C 47
P Low
HGen

CF
40%
6931Hz
WF 693Hz
2.5MHz

G
P 1.6 3.2 R

70 bpm

ʃ



TIS1.4 MI 1.3

M3

1
cm

In Summary

- Postnatal presentation of severe Ebstein's anomaly
- Associated neonatal arrhythmia s/p successful ablation
- Underwent surgical repair with excellent results
 - No clinically significant tricuspid regurgitation or stenosis
 - Dyskinetic ventricular septum
- Now clinically thriving following surgical repair

Questions?



PHILIPS

FR 61Hz
7.0cm

2D
64%
C 49
P Off
HGen

P G R
2.6 5.2

S8-3/CHOP1

TIS0.9 MI 1.3

PHILIPS

M4
FR 21Hz
7.0cm

2D
68%
C 49
P Off
HGen

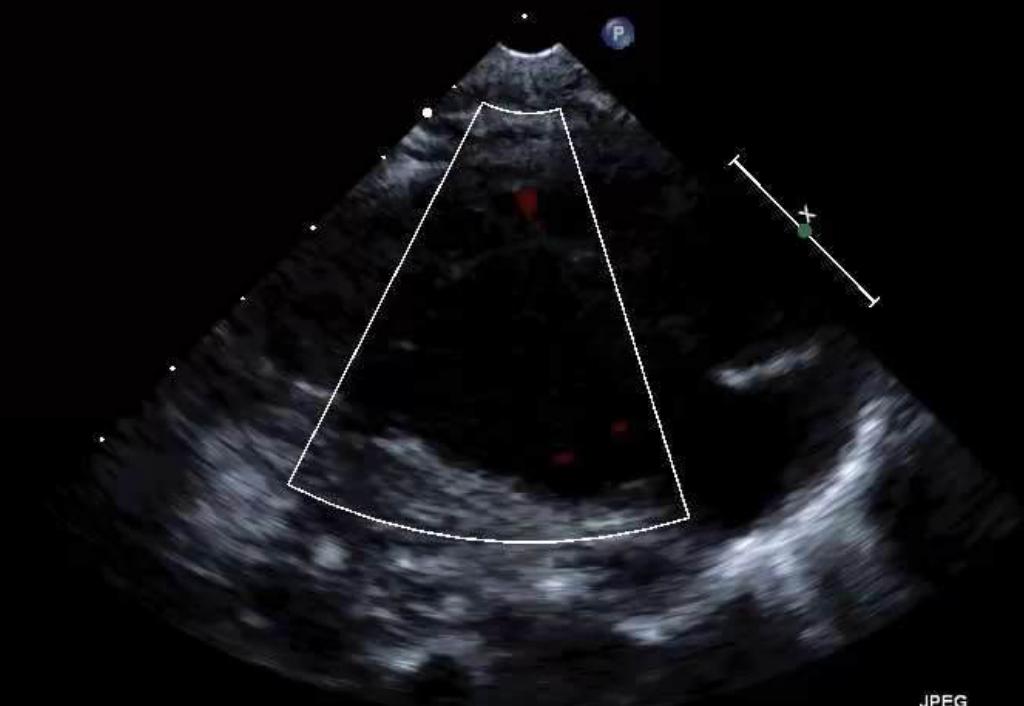
CF
75%
3.0MHz
WF Max
Med

P G R
2.6 5.2



JPEG

119 bpm



JPEG

125 bpm