



MASTERCLASS INTERNACIONAL DE ECOCARDIOGRAFIA FETAL

Red Latinoamericana de Ecocardiografía Fetal

Pachuca, Hidalgo, 11-13 agosto 2023



TÉCNICAS DE RASTREO

DR. MANUEL ULISES REYES HERNÁNDEZ

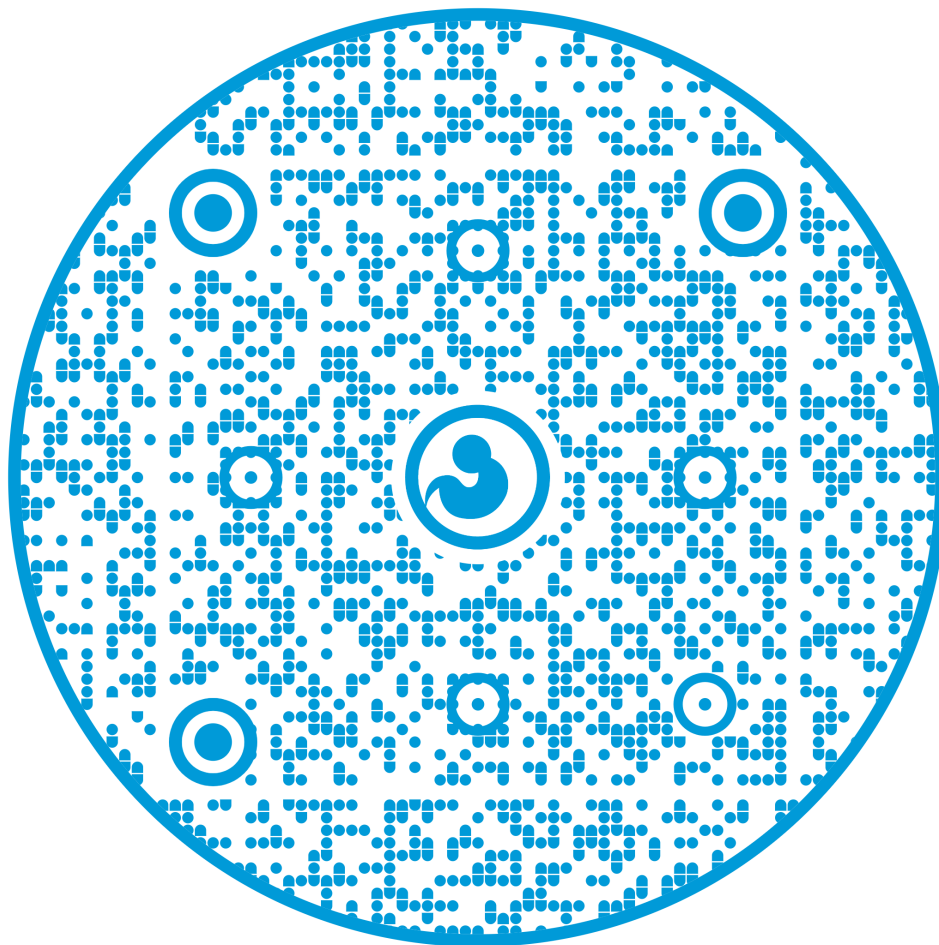
MEDICINA MATERNO FETAL, ECOCARDIOGRAFÍA FETAL

MEDFETAL – Medicina Fetal San Luis Potosí





Medfetal
Medicina Fetal Ciudad de México



ulises.reyes.hdz@gmail.com

Puntos clave de evaluación

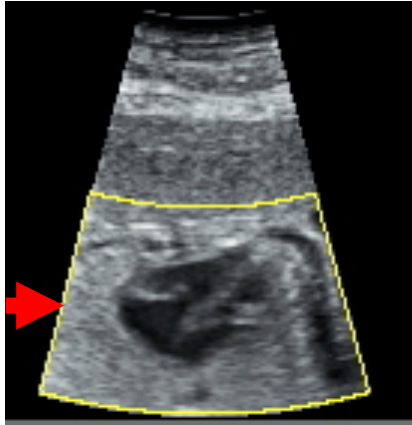
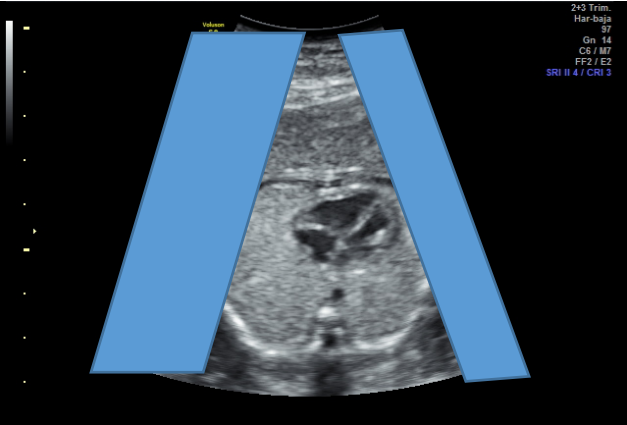
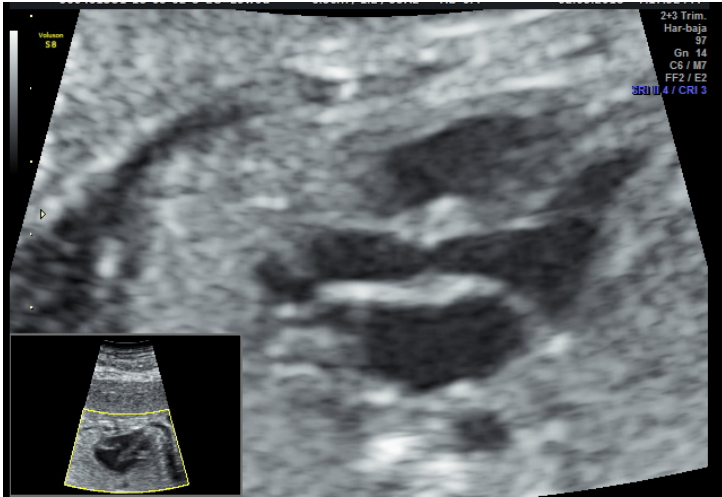
- Conocer el equipo / botones / presets.
- Conocer cada corte: patrones de normalidad.
- Doppler color: lineamientos para evaluación.
- Documentar clips de video.



Optimizando las imágenes



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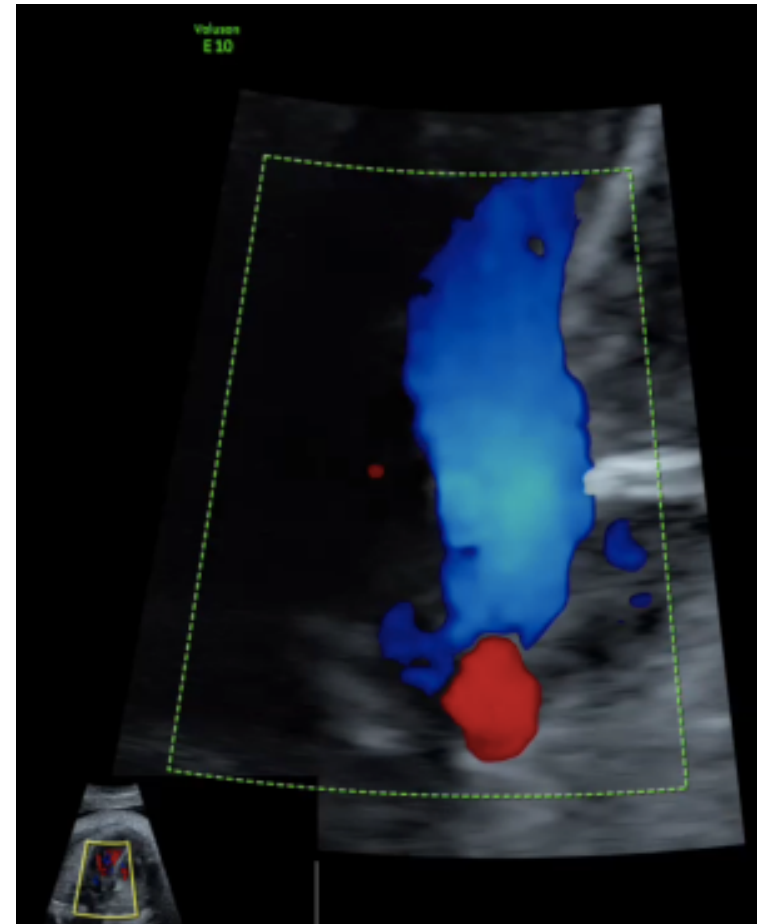
Doppler color

Optimizar imagen:

- Primero optimizar imagen 2D.
- Ángulo de insonación adecuado.
- Caja pequeña, en zona de interés.
- PRF adecuadas.

Recordar:

- Válvulas AV / VA : PRF elevado, ángulo 0 (paralelo).
- Septo IV: PRF bajo, ángulo 90° (perpendicular).



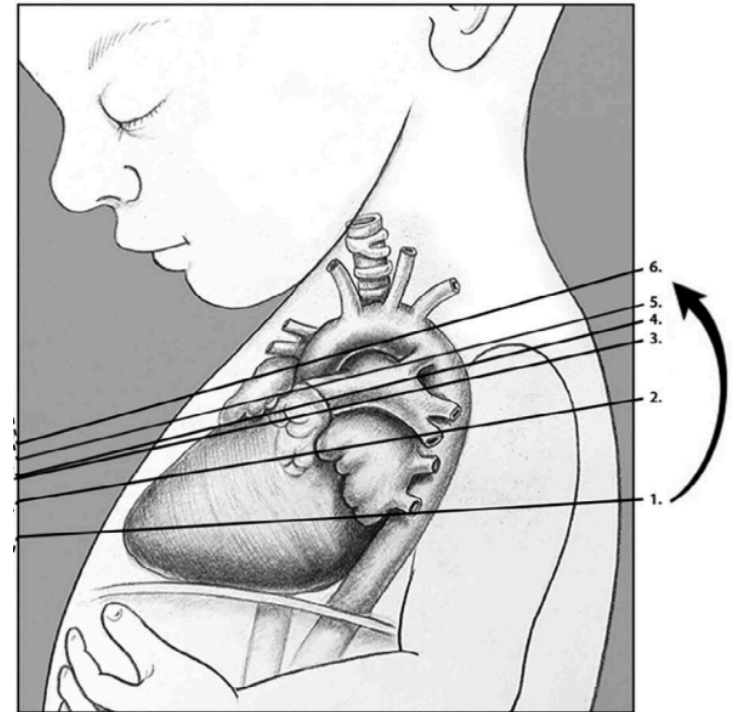
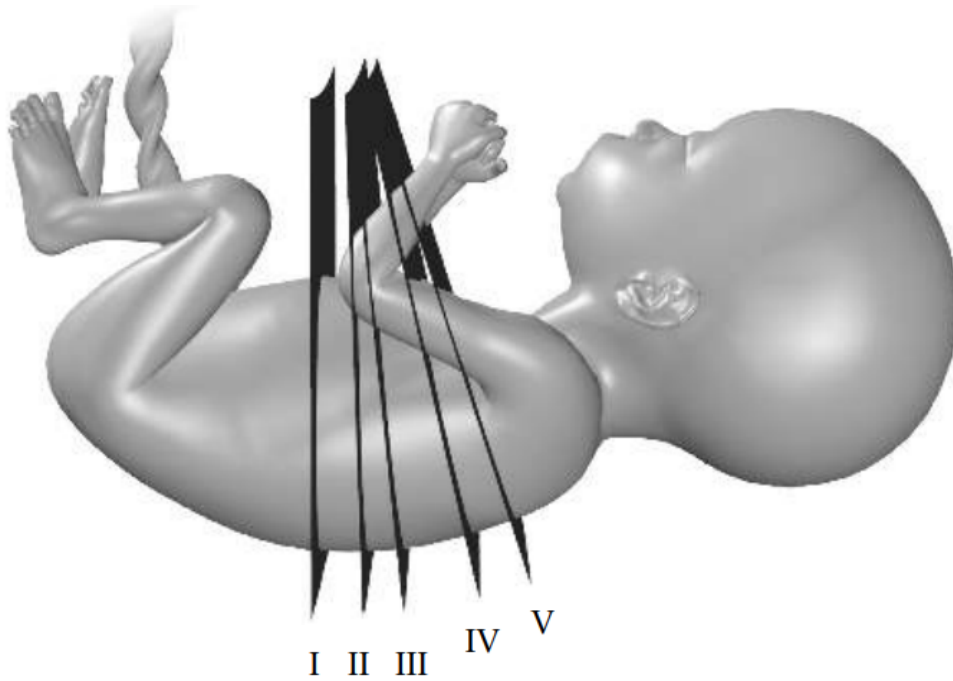
Posición fetal

Determinar situación, presentación fetal.

Identificar derecha – izquierda.



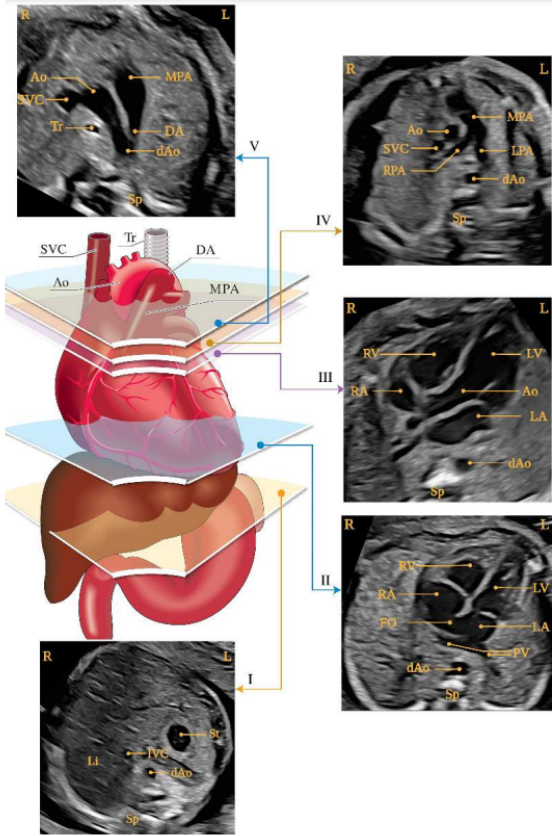
Barrido Axial (Planos de Yagel)



Barrido Axial (Planos de Yagel)



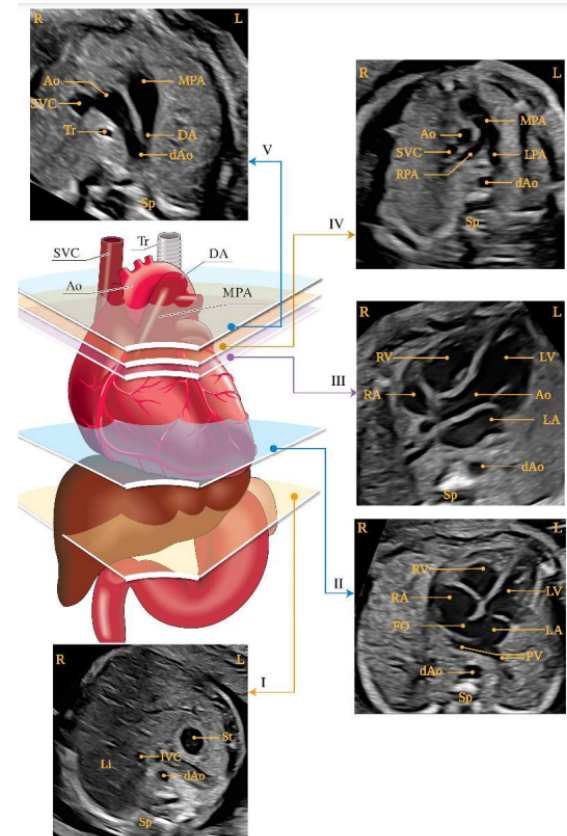
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Barrido Axial (Planos de Yagel)

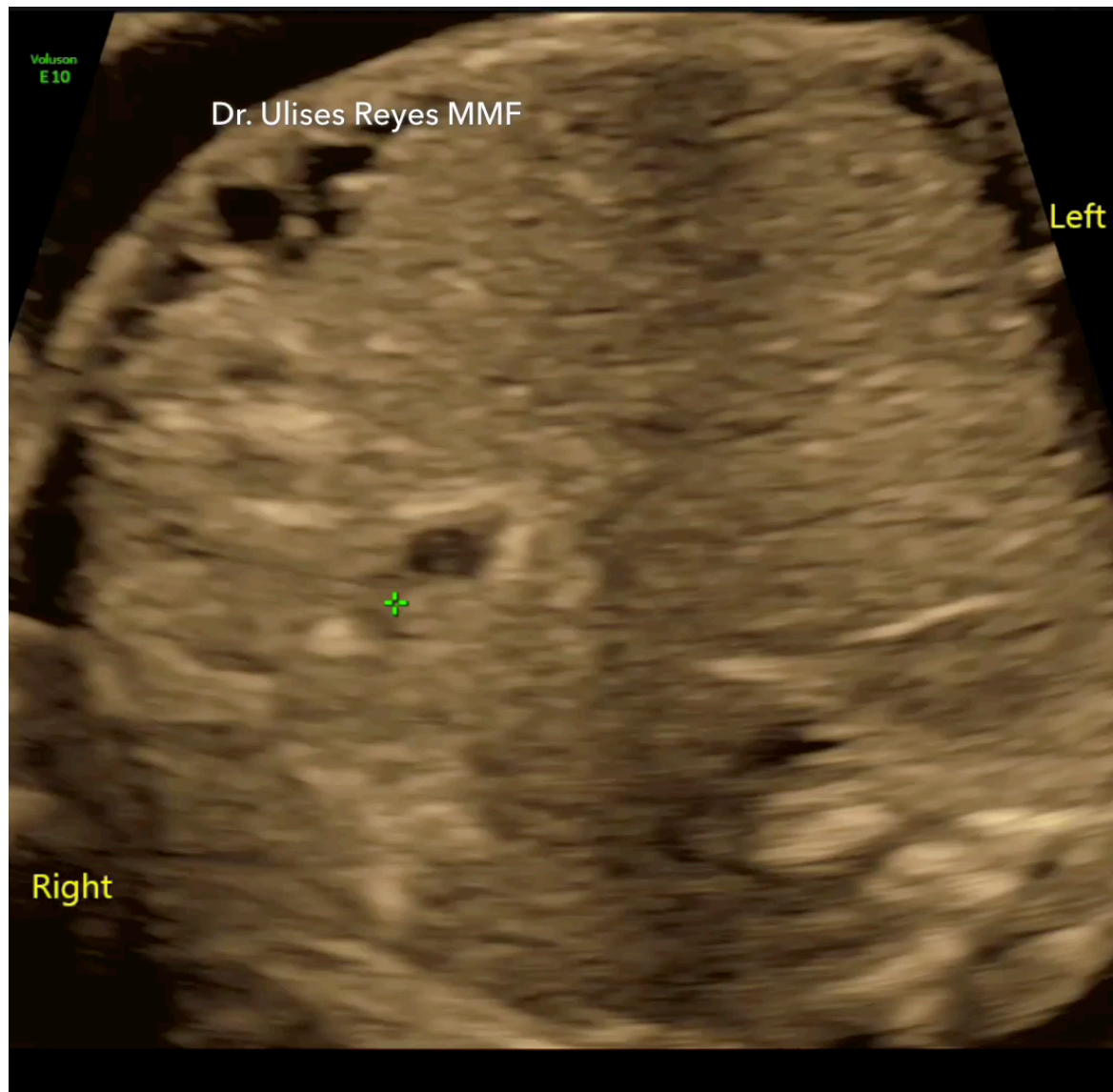


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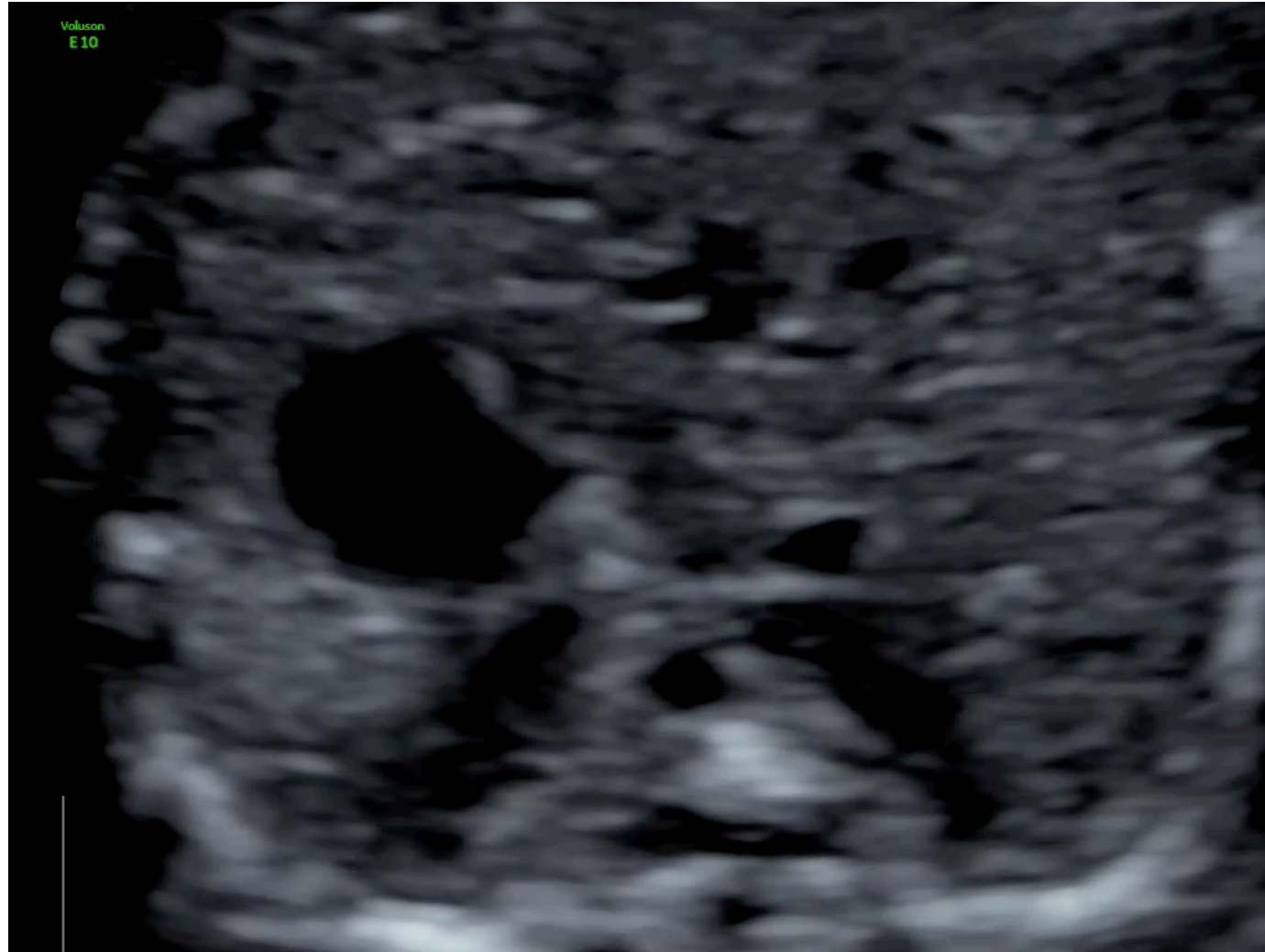




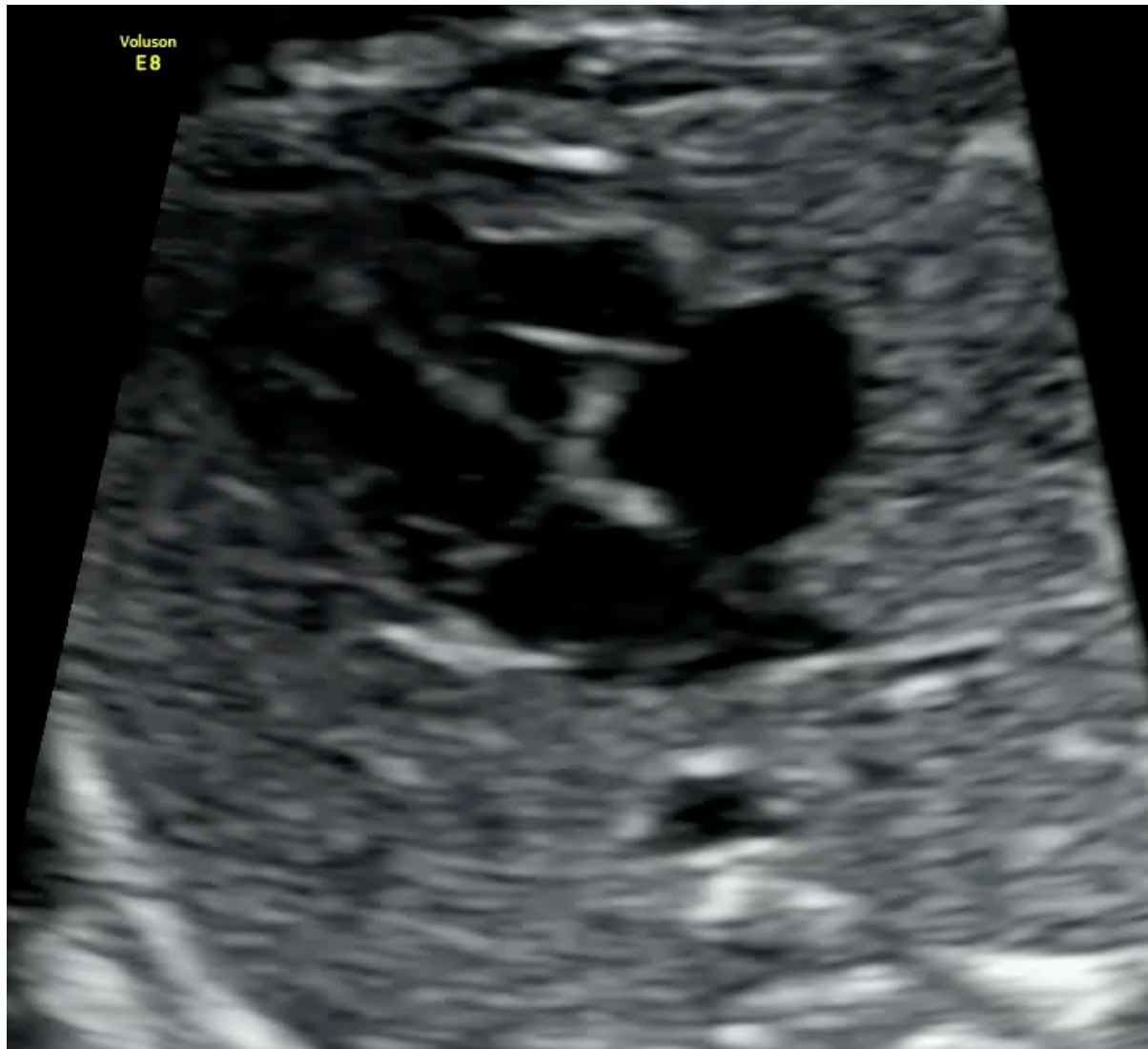
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Corte de cuatro cámaras

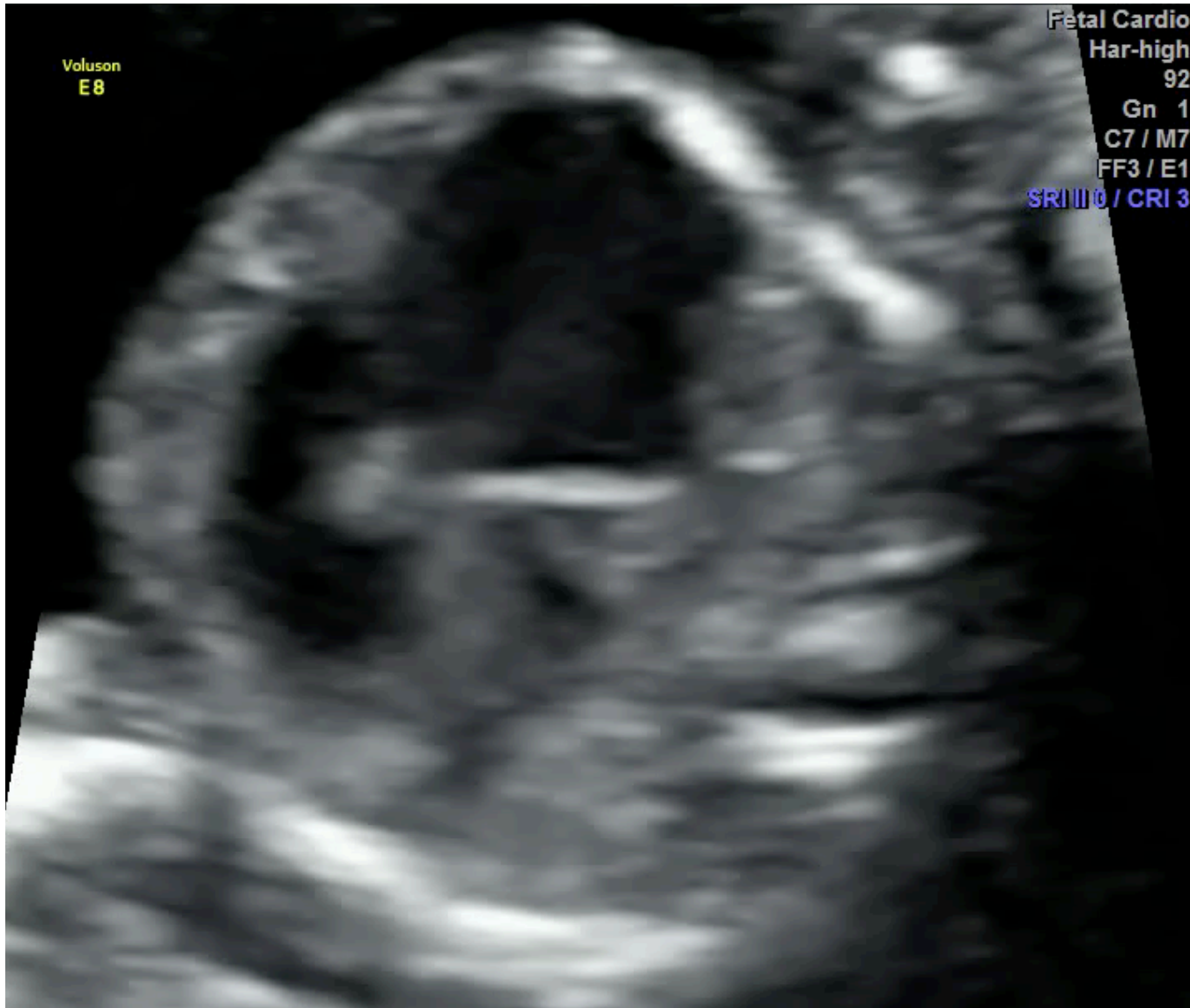


Corte de cuatro cámaras

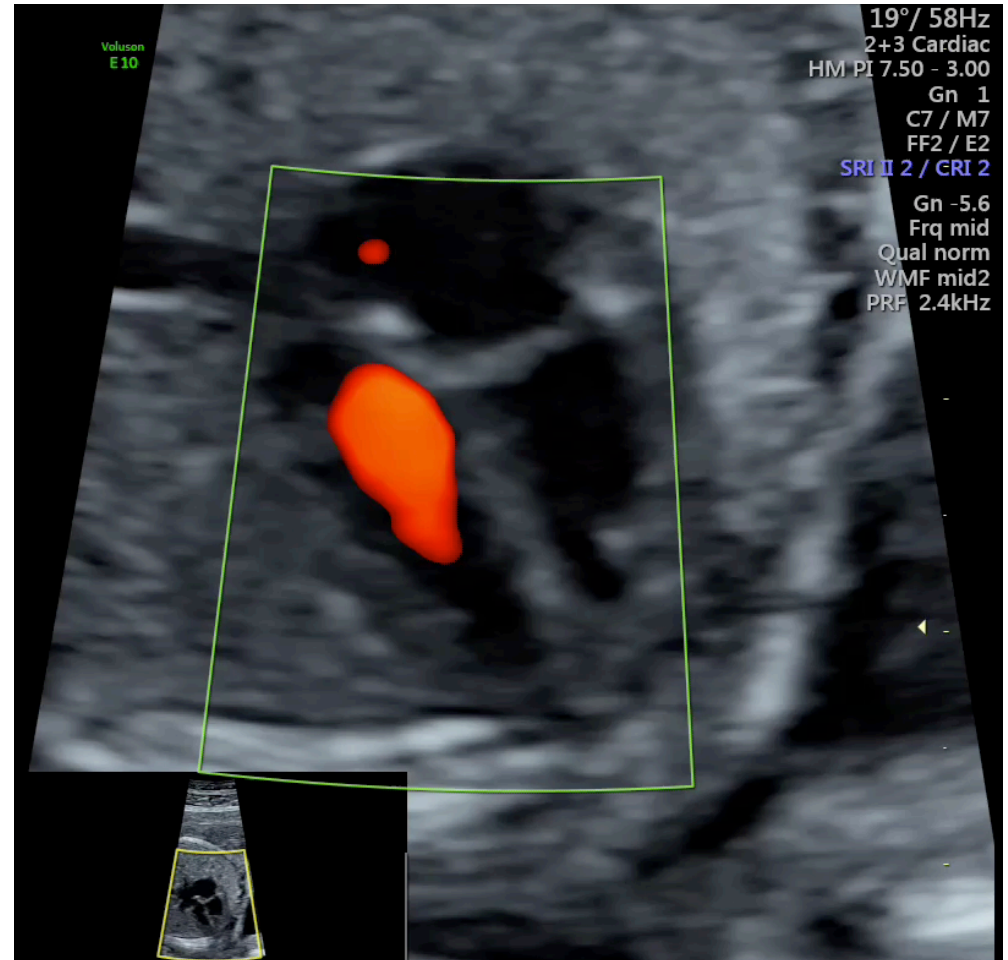
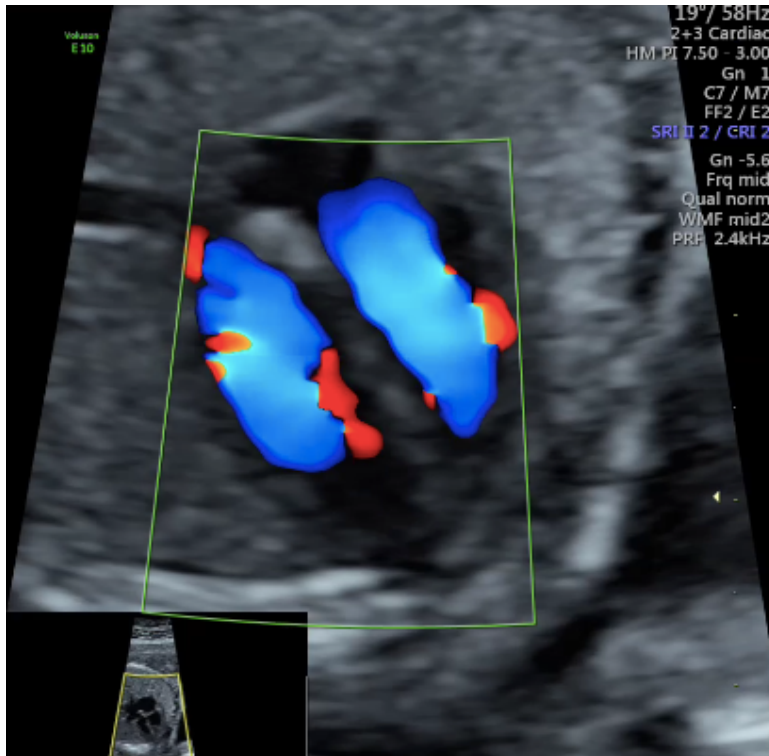


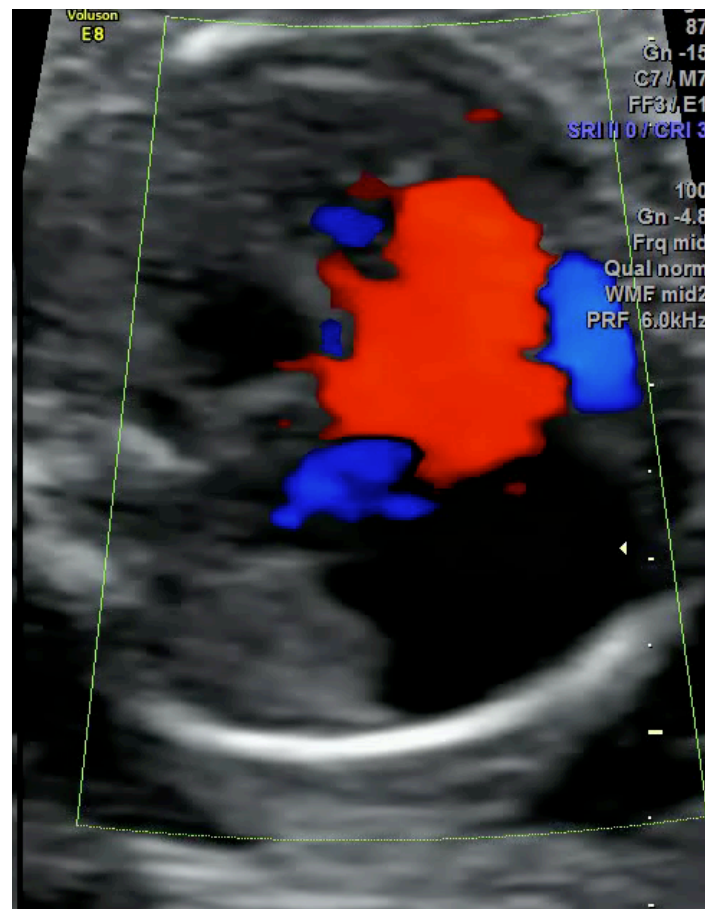
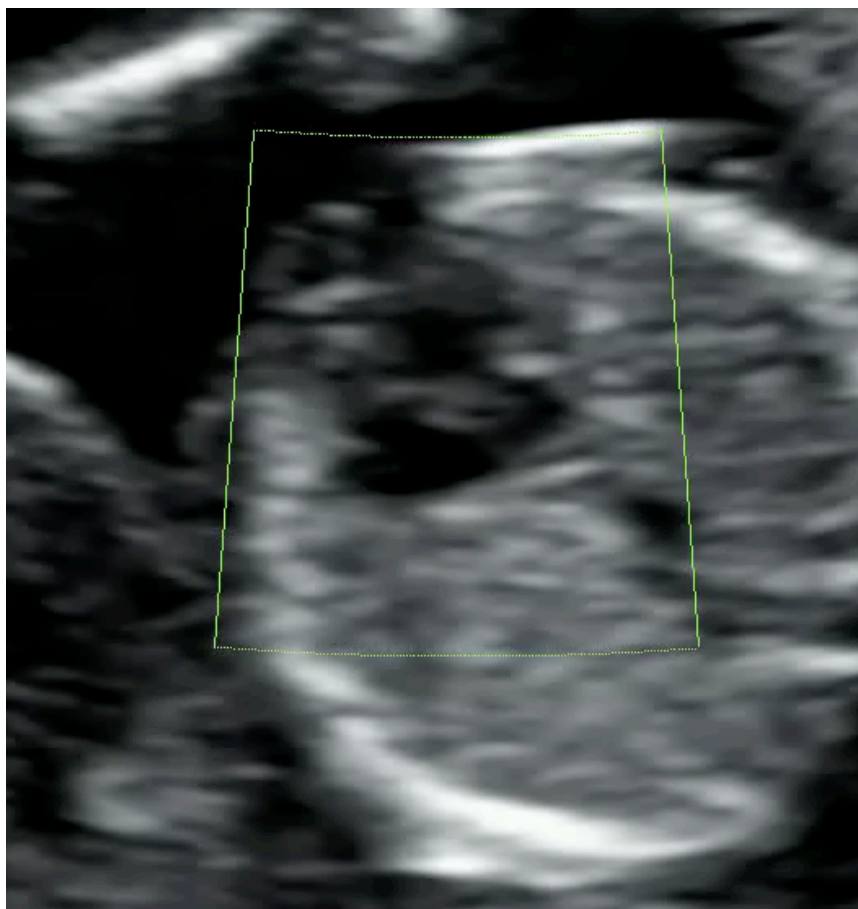


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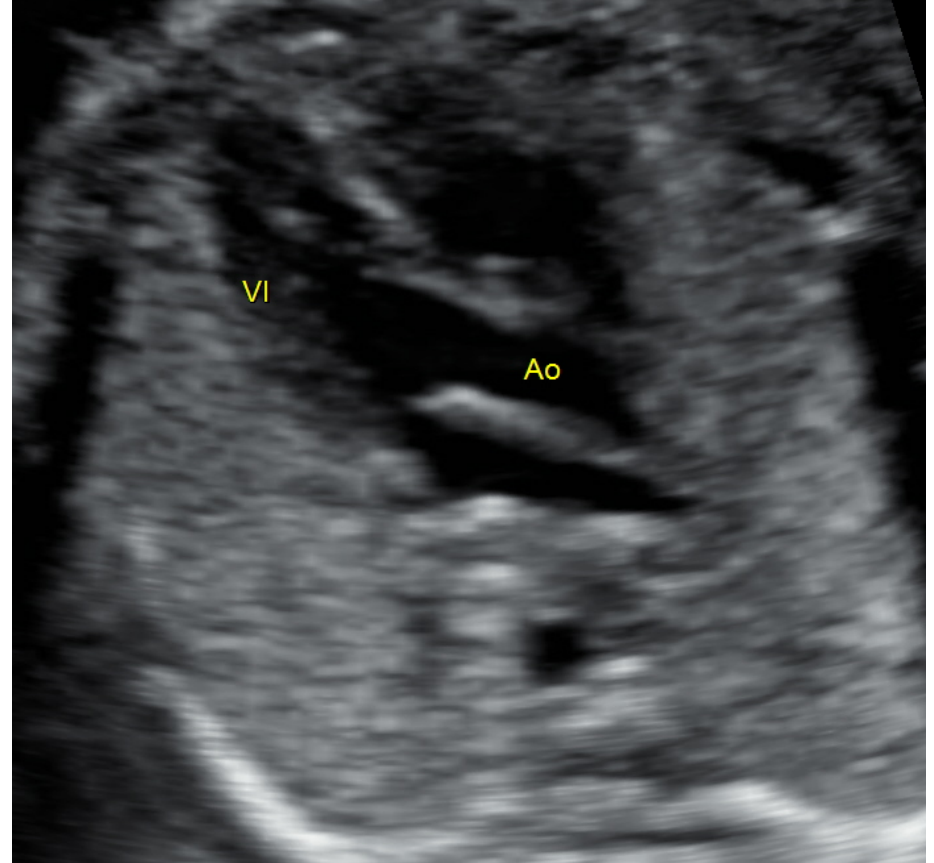


Corte de cuatro cámaras

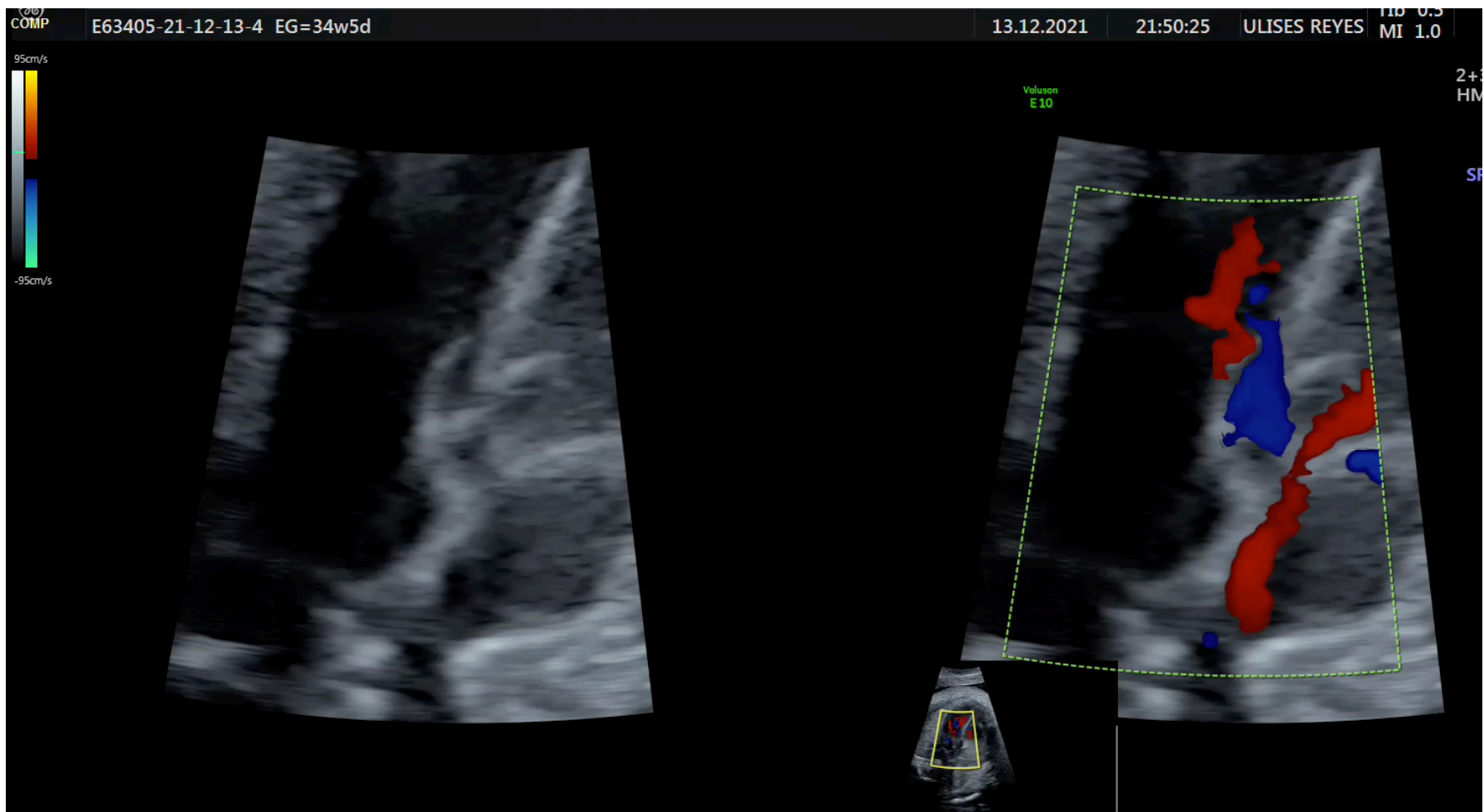




Tracto de salida izquierdo



Tracto de salida izquierdo





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10-16-5 EG=22w1d

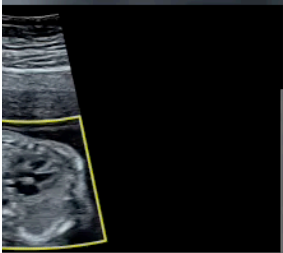
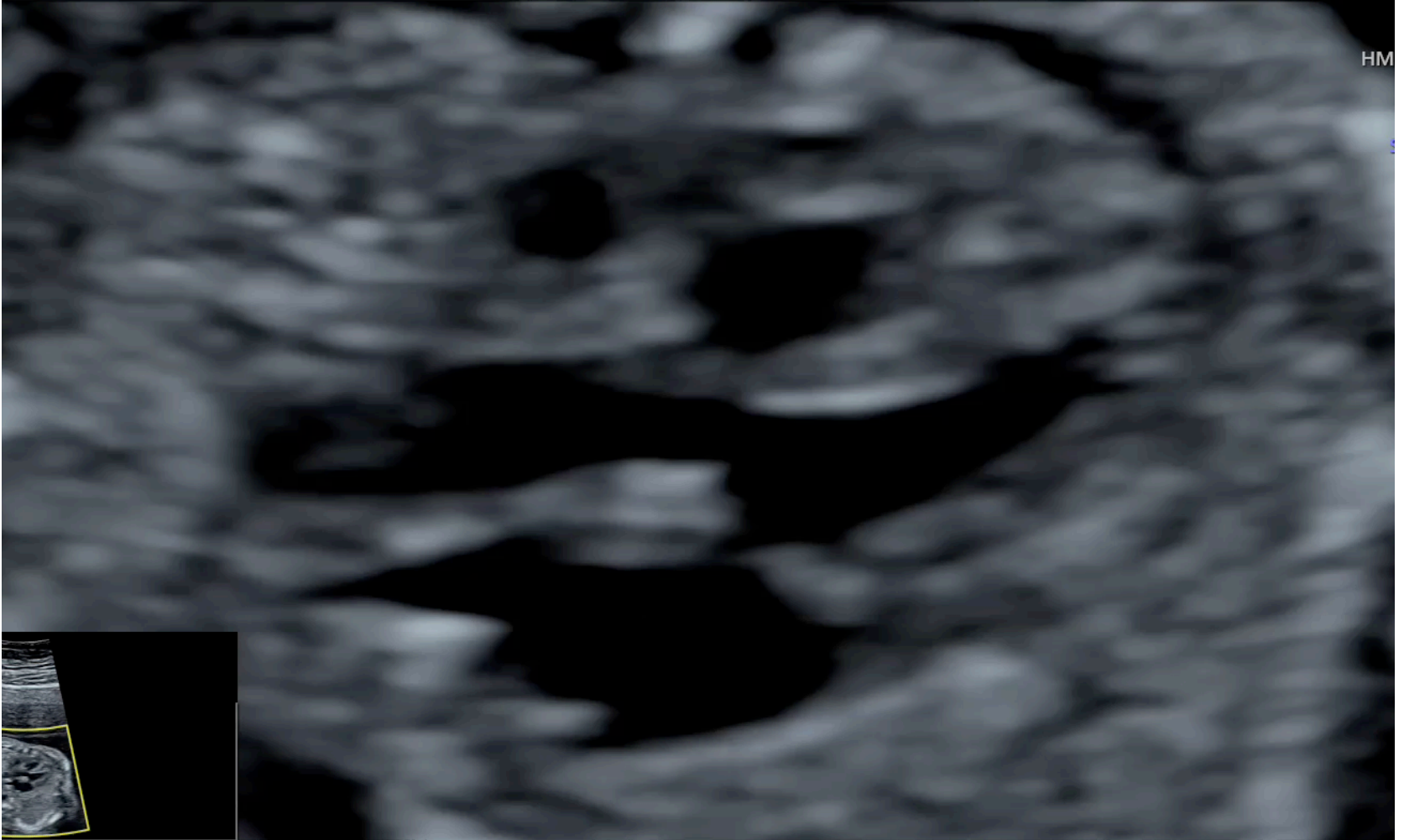
16.10.2022

1:31:37 PM

ULISES REYES

MI 0.8

HMI



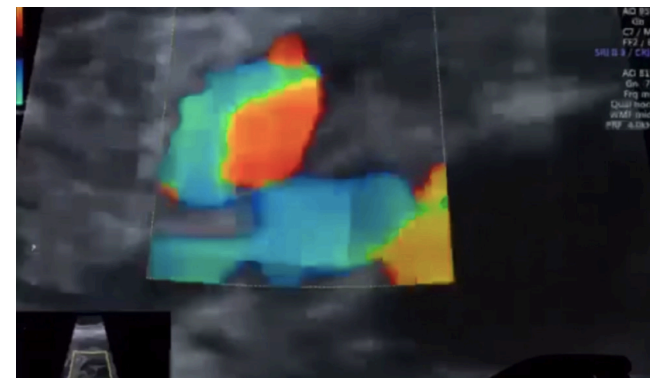


Tracto de salida derecho



Tractos de salida izquierdo y derecho







405-22-10-16-5 EG=22w1d

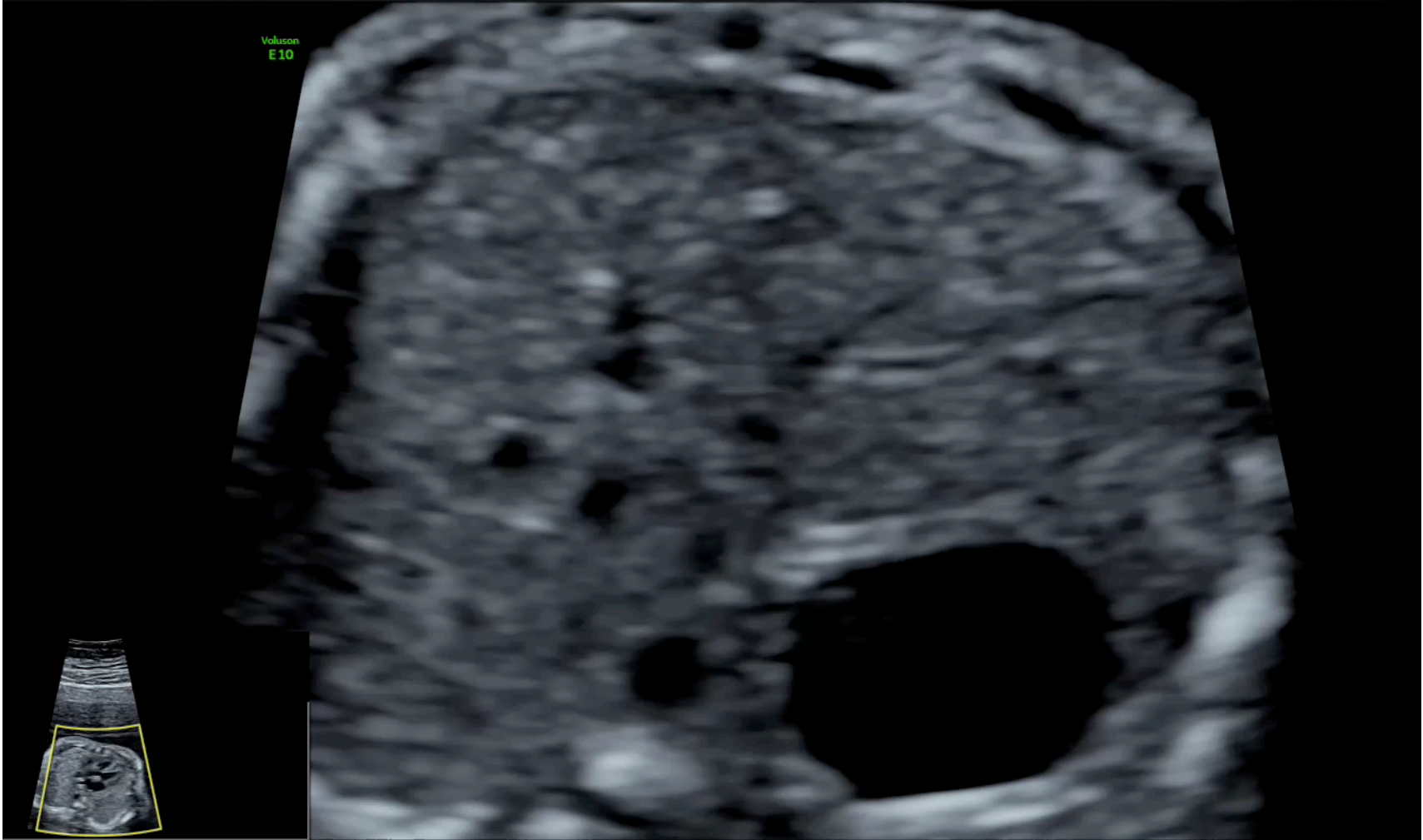
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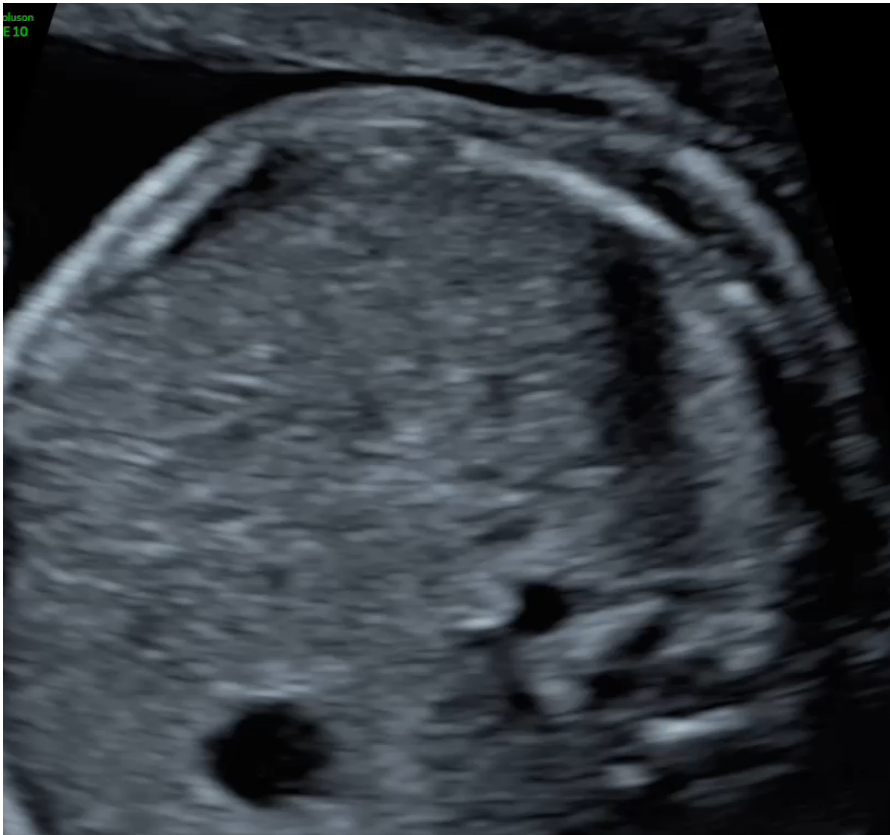
ULISES REYES

T1B 0.3
MI 0.3

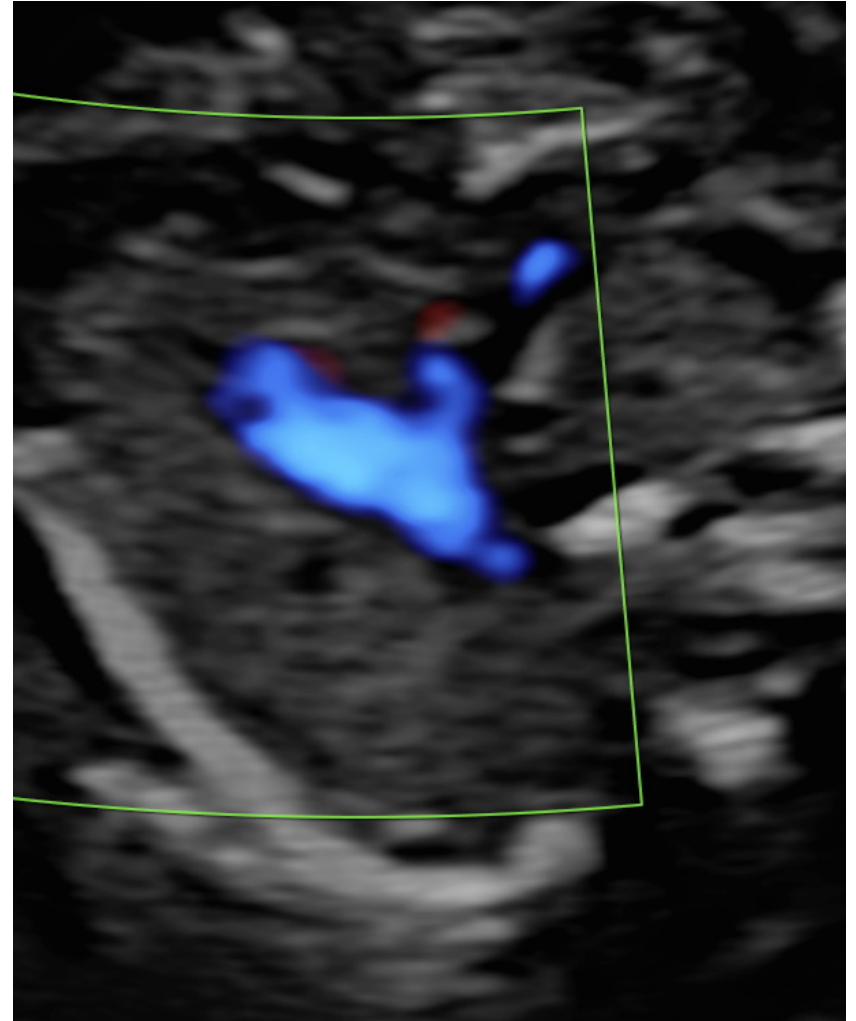
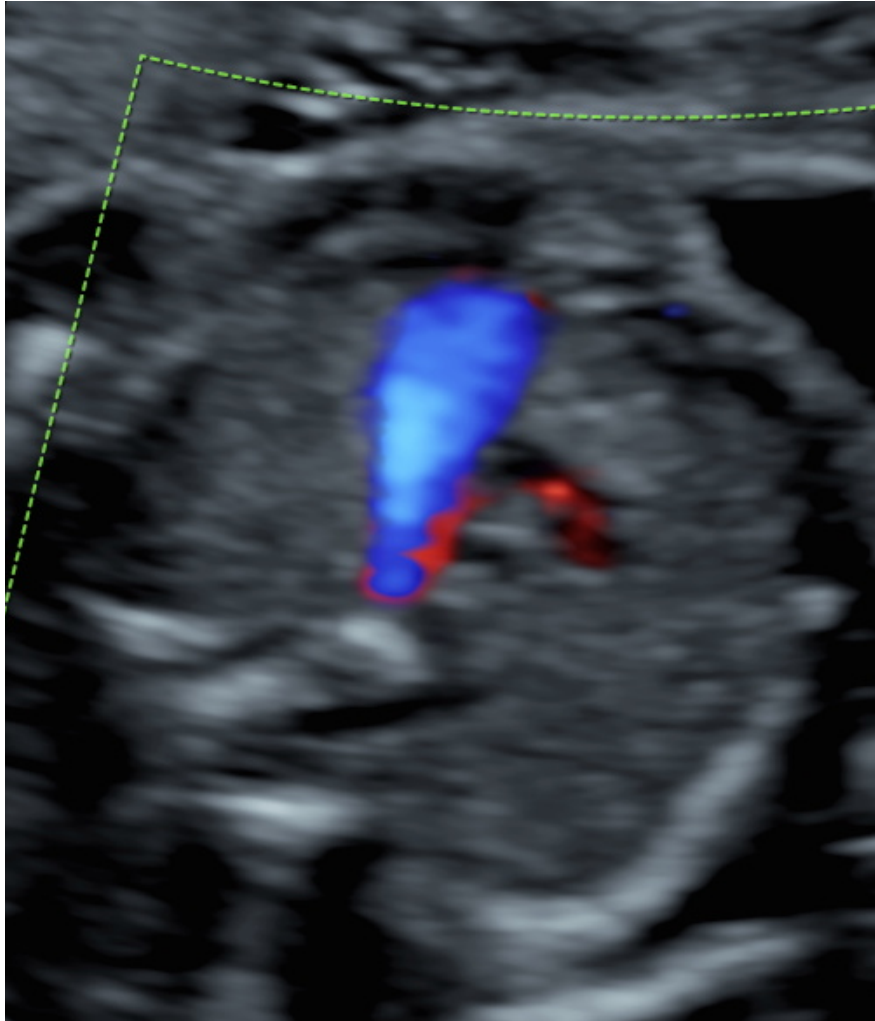
Voluson
E 10



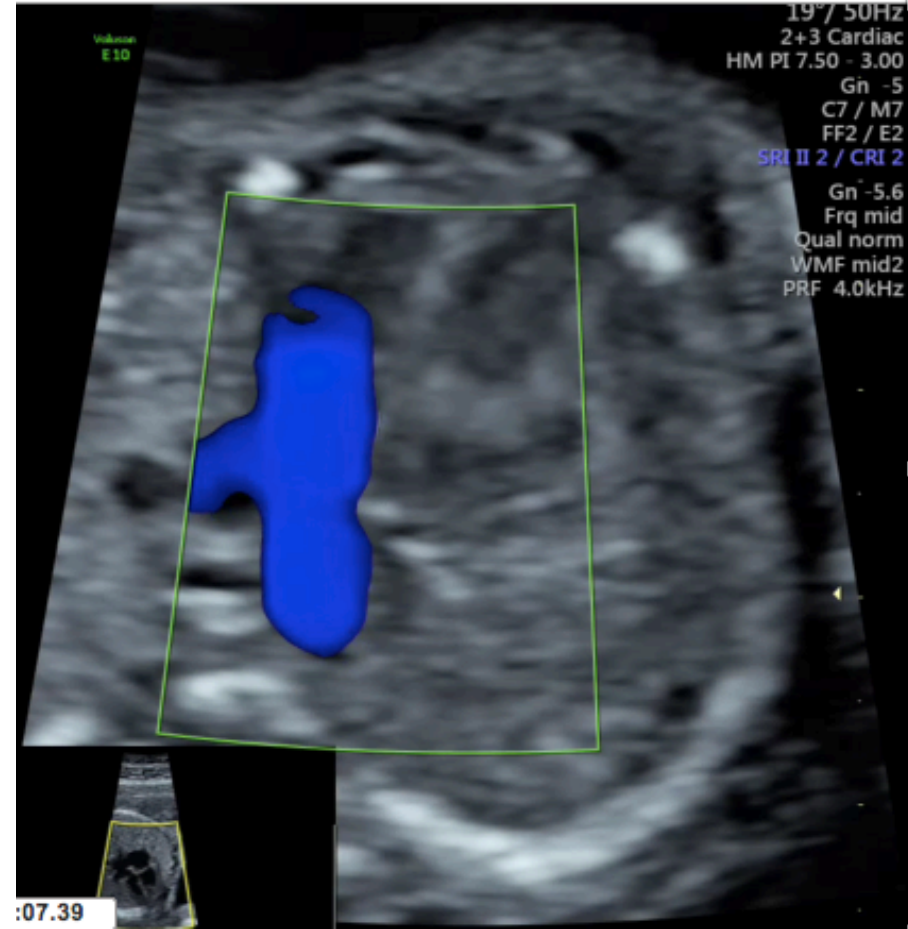
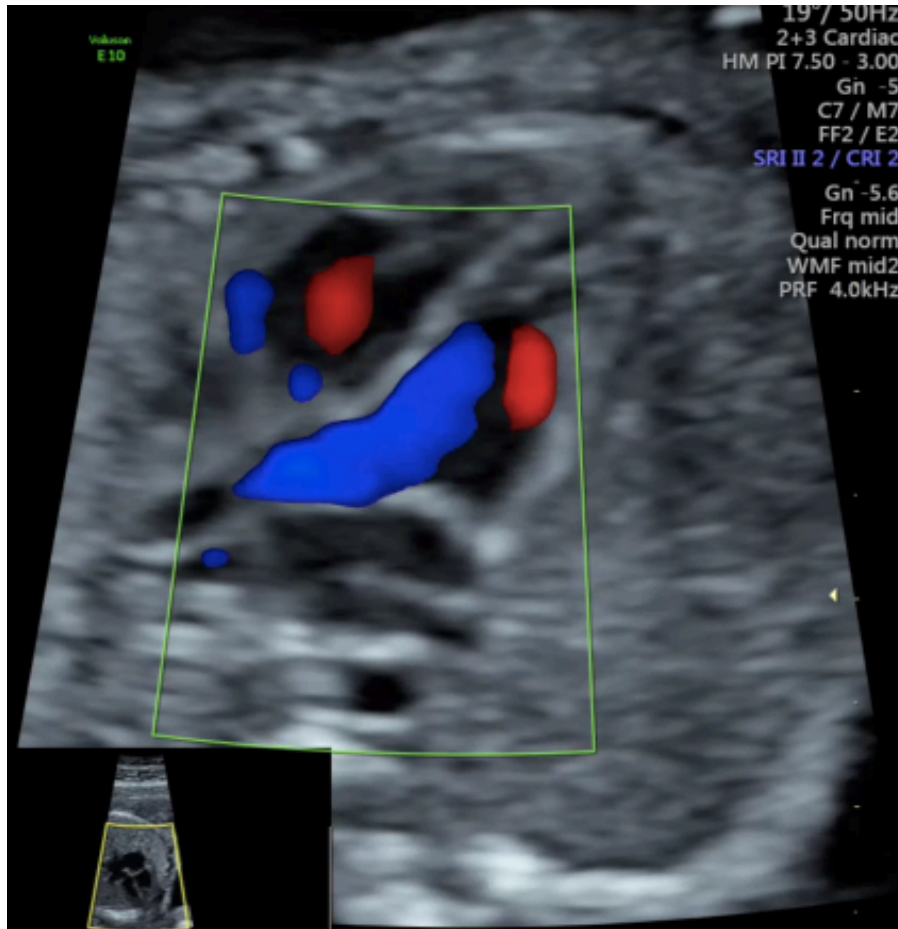
Tres vasos y tráquea



Tres vasos y tráquea

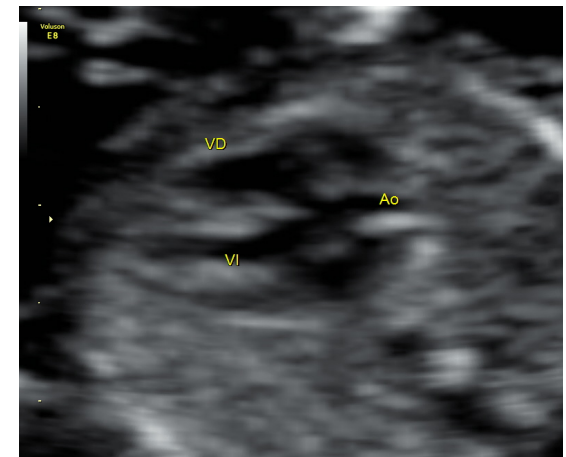
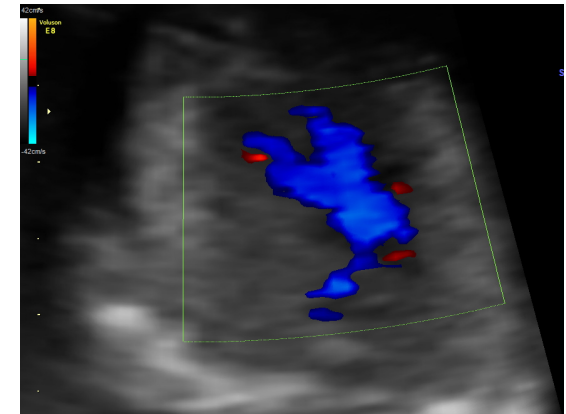
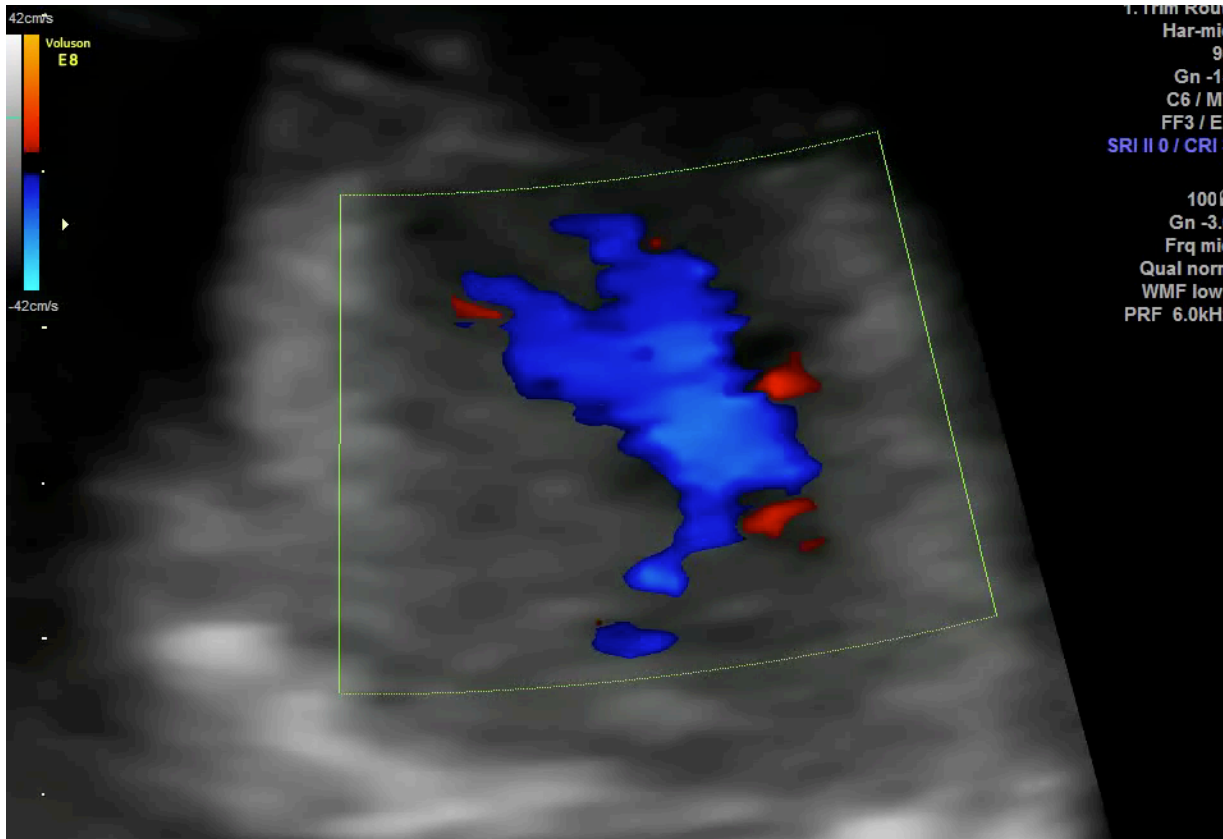


Doppler Color

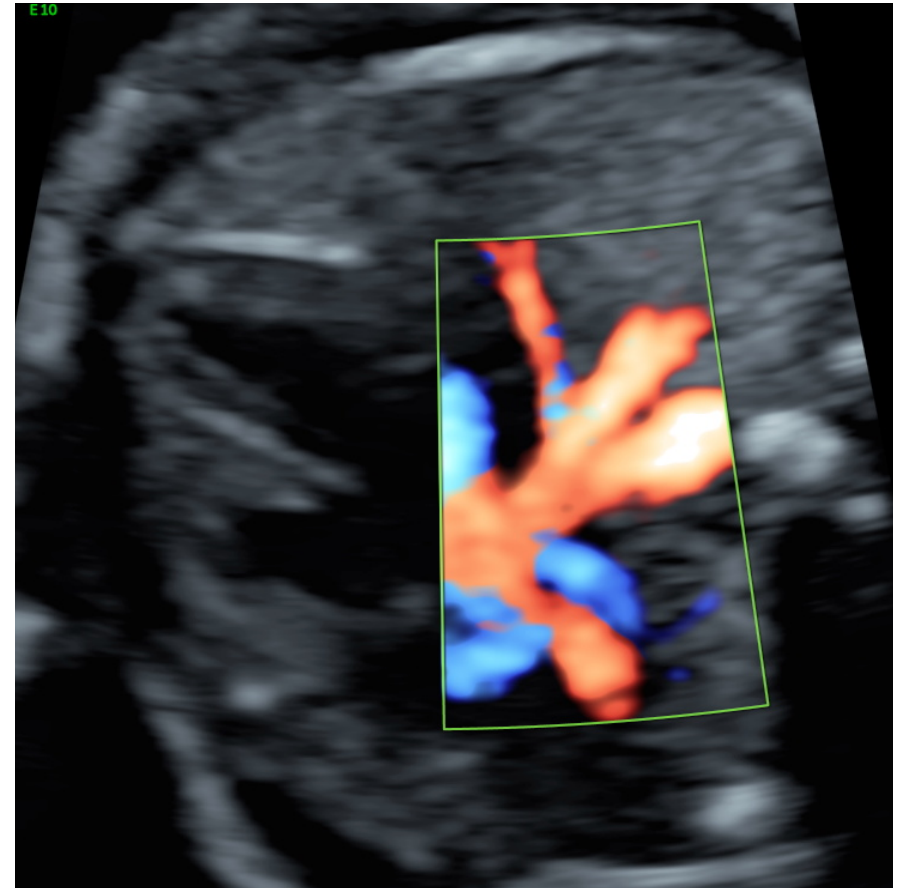
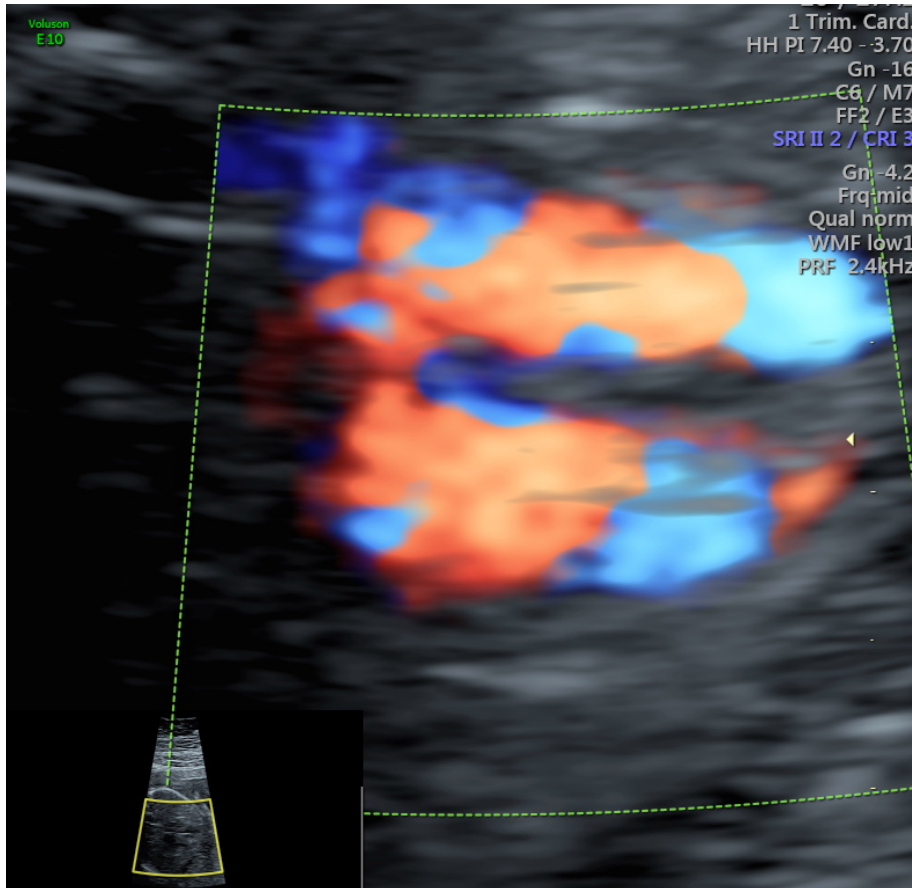


PRF elevado: tractos de salida

Doppler Color

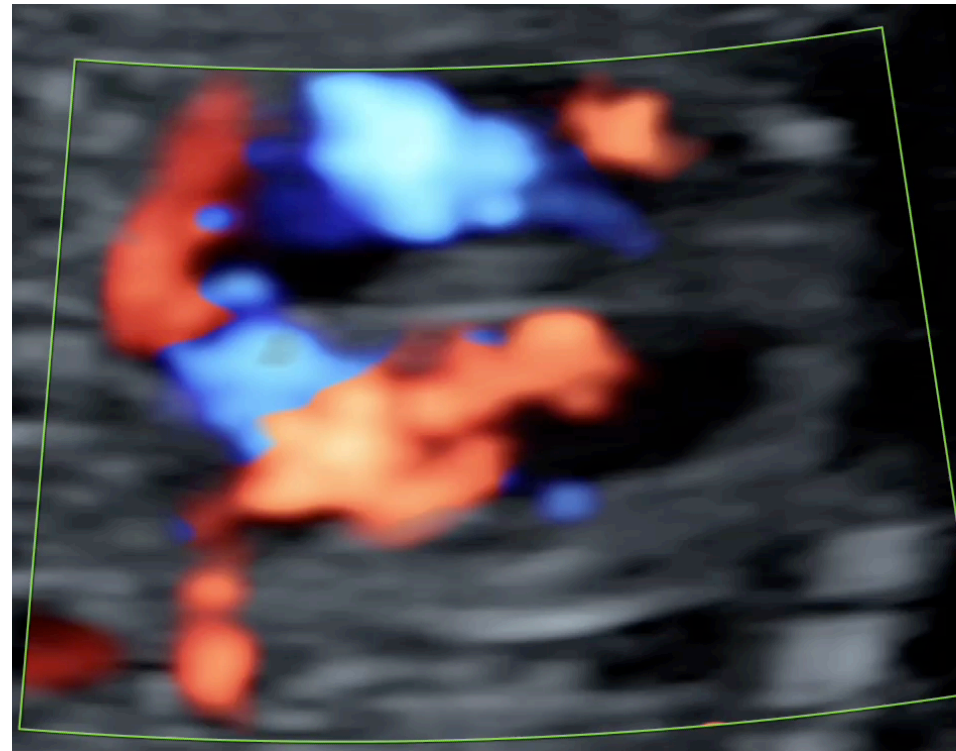


Utilidad del Doppler Color

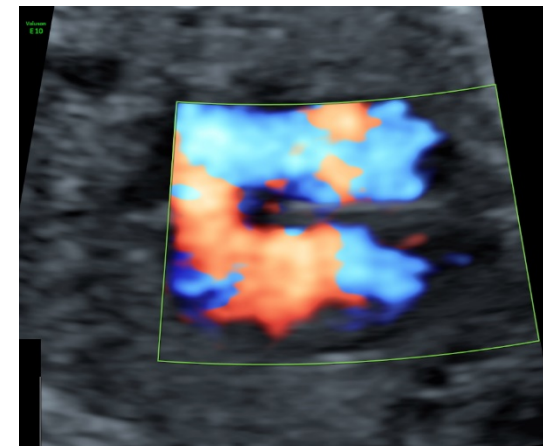
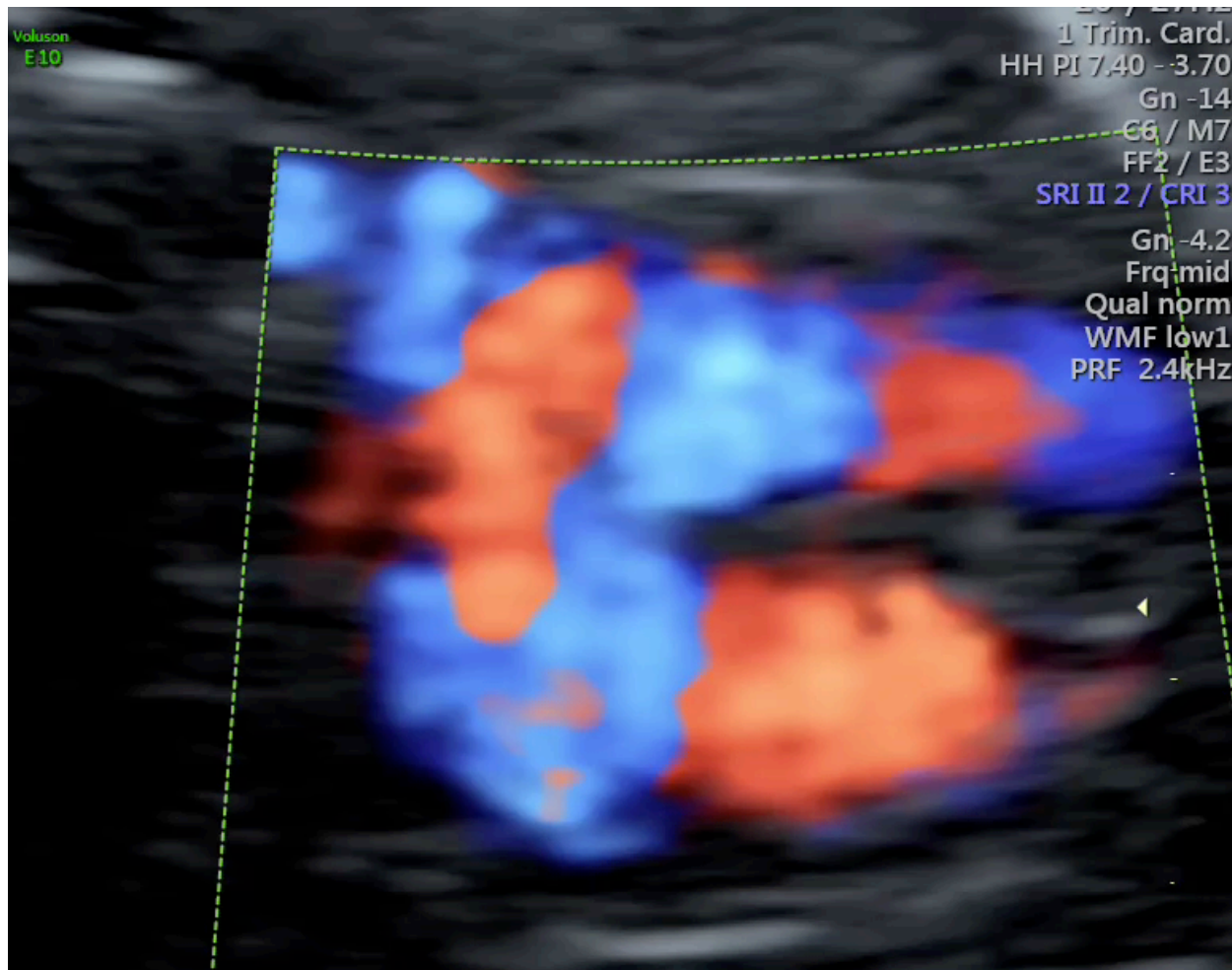


PRF bajo: septo interventricular, venas pulmonares

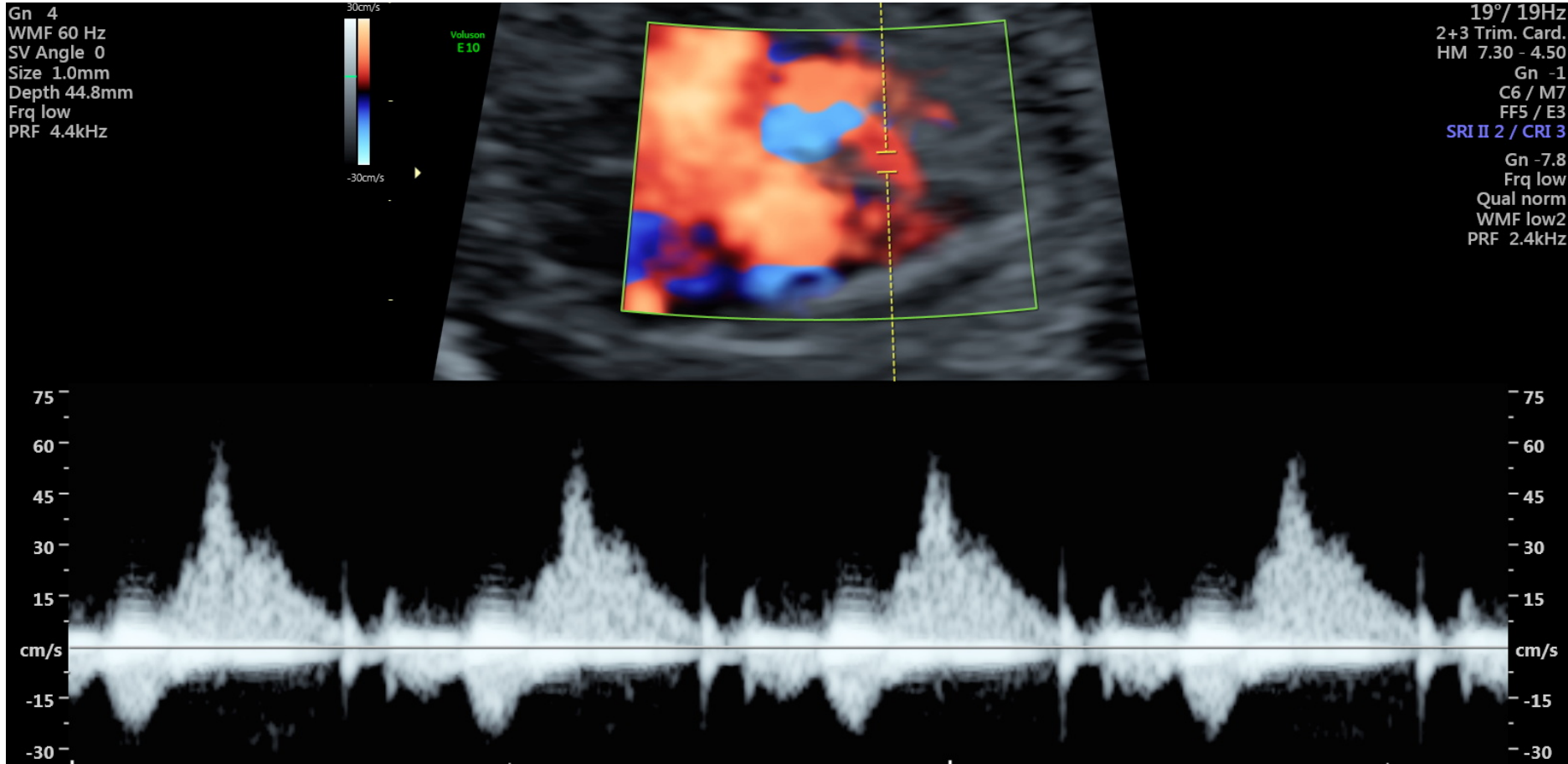
Utilidad del Doppler Color



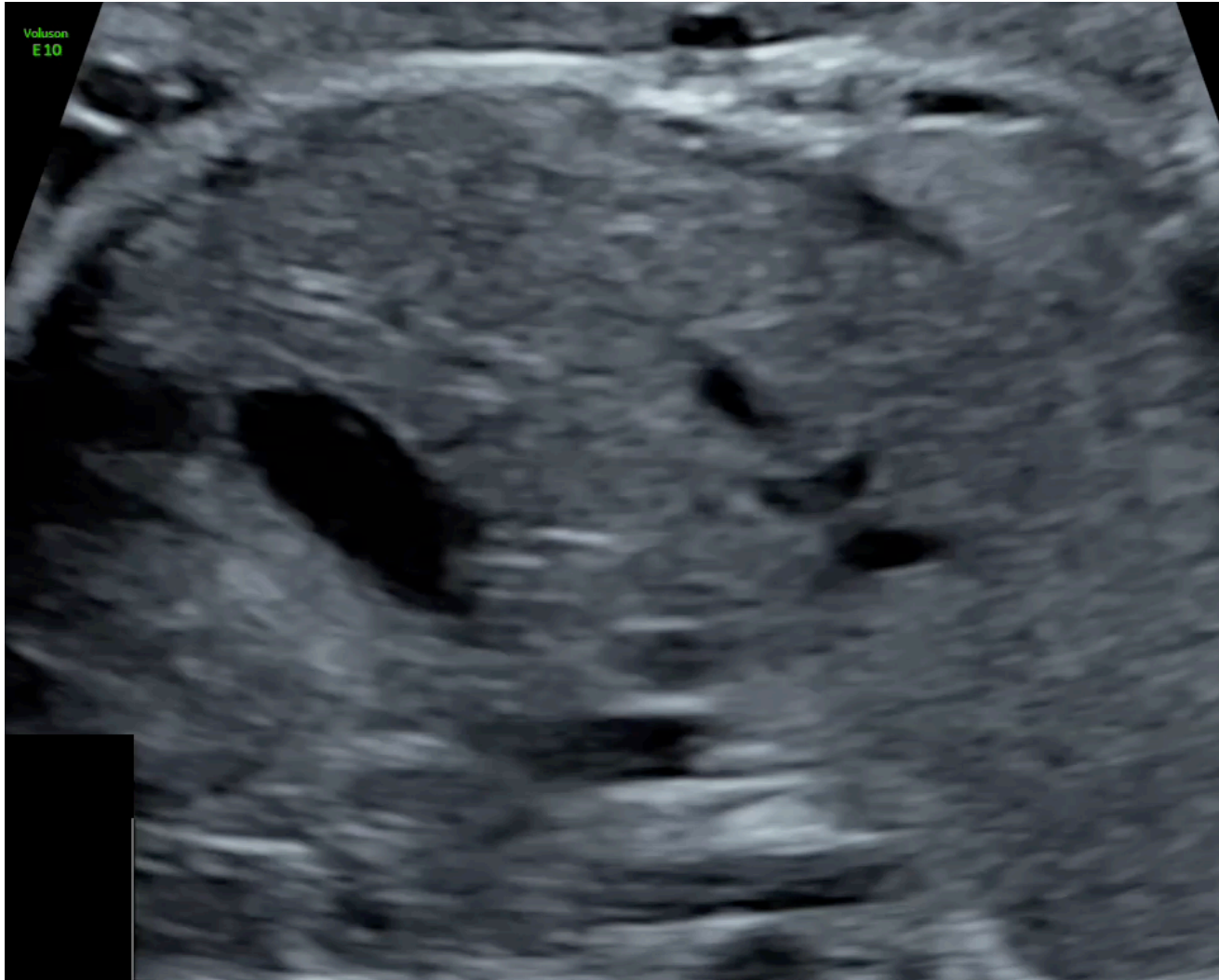
Utilidad del Doppler Color



Utilidad del Doppler Color



Ecocardiografía fetal



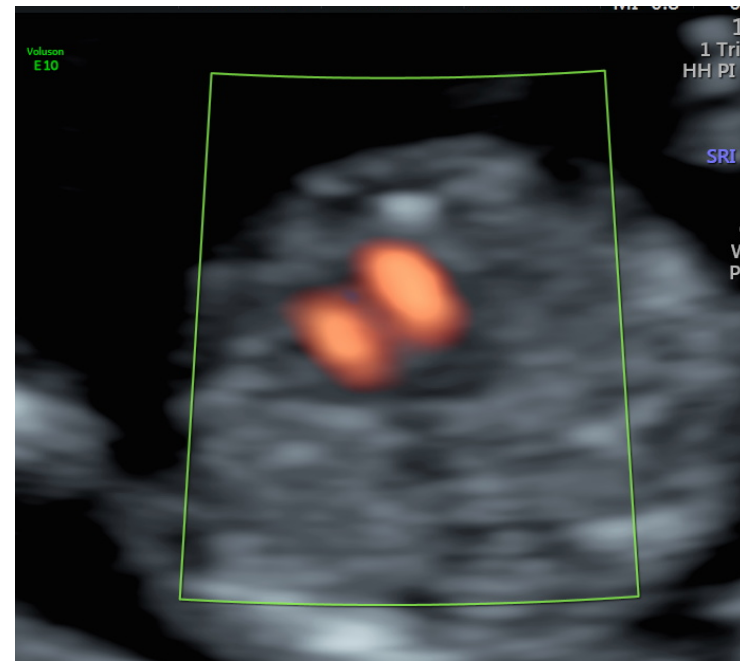
Evaluación en primer trimestre

Optimizar imagen 2D:

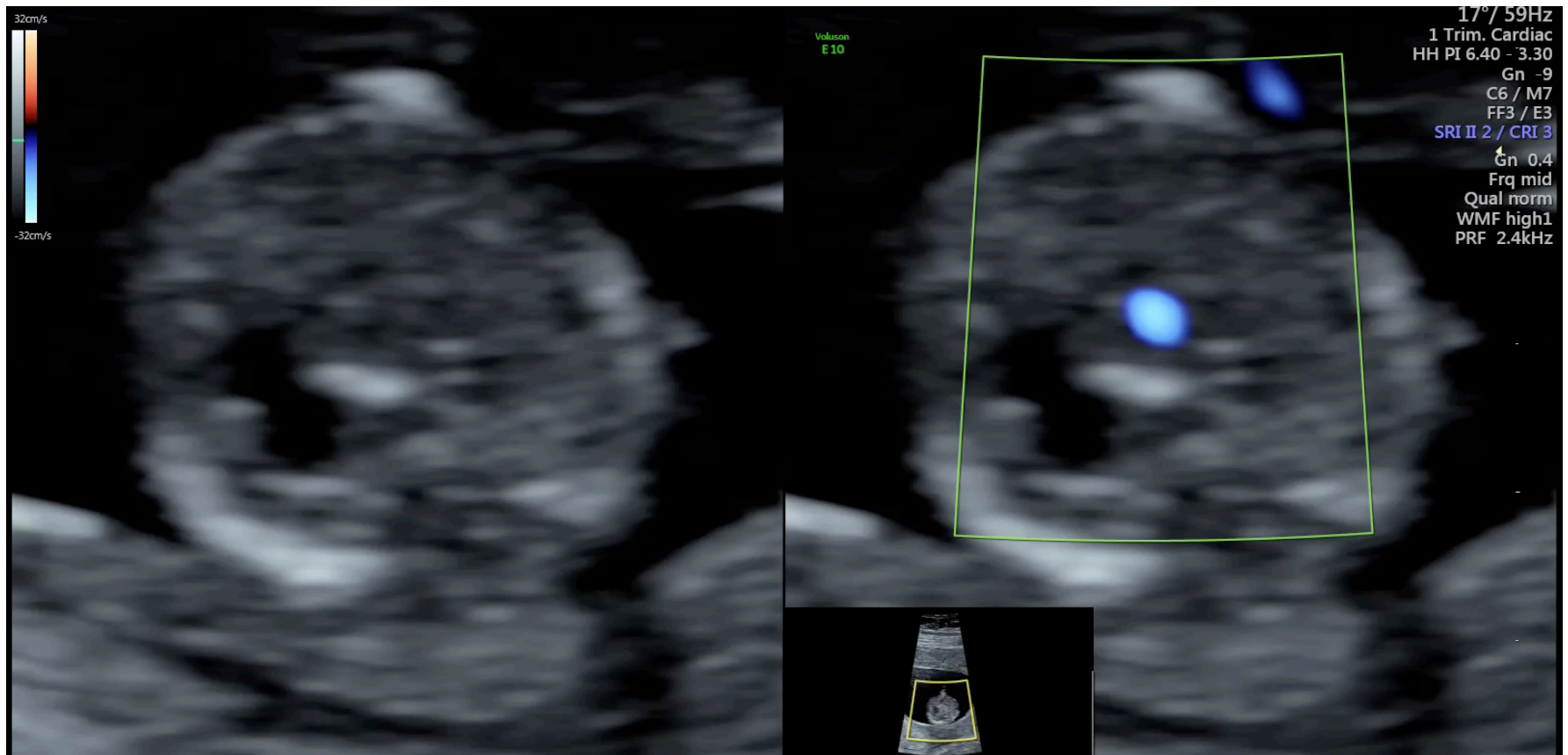
- Reducir ángulo de haz de ultrasonido, profundidad.
- Feto en reposo, dorso inferior.
- Evaluación abdominal o vaginal.

Optimizar Doppler color:

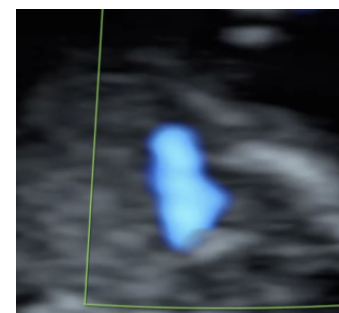
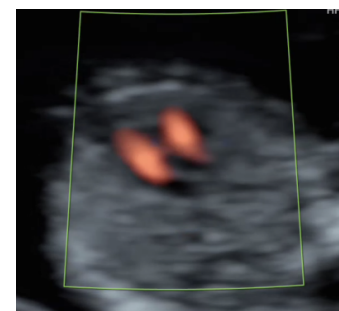
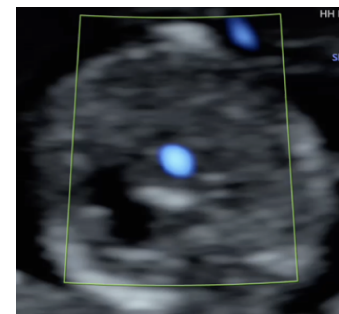
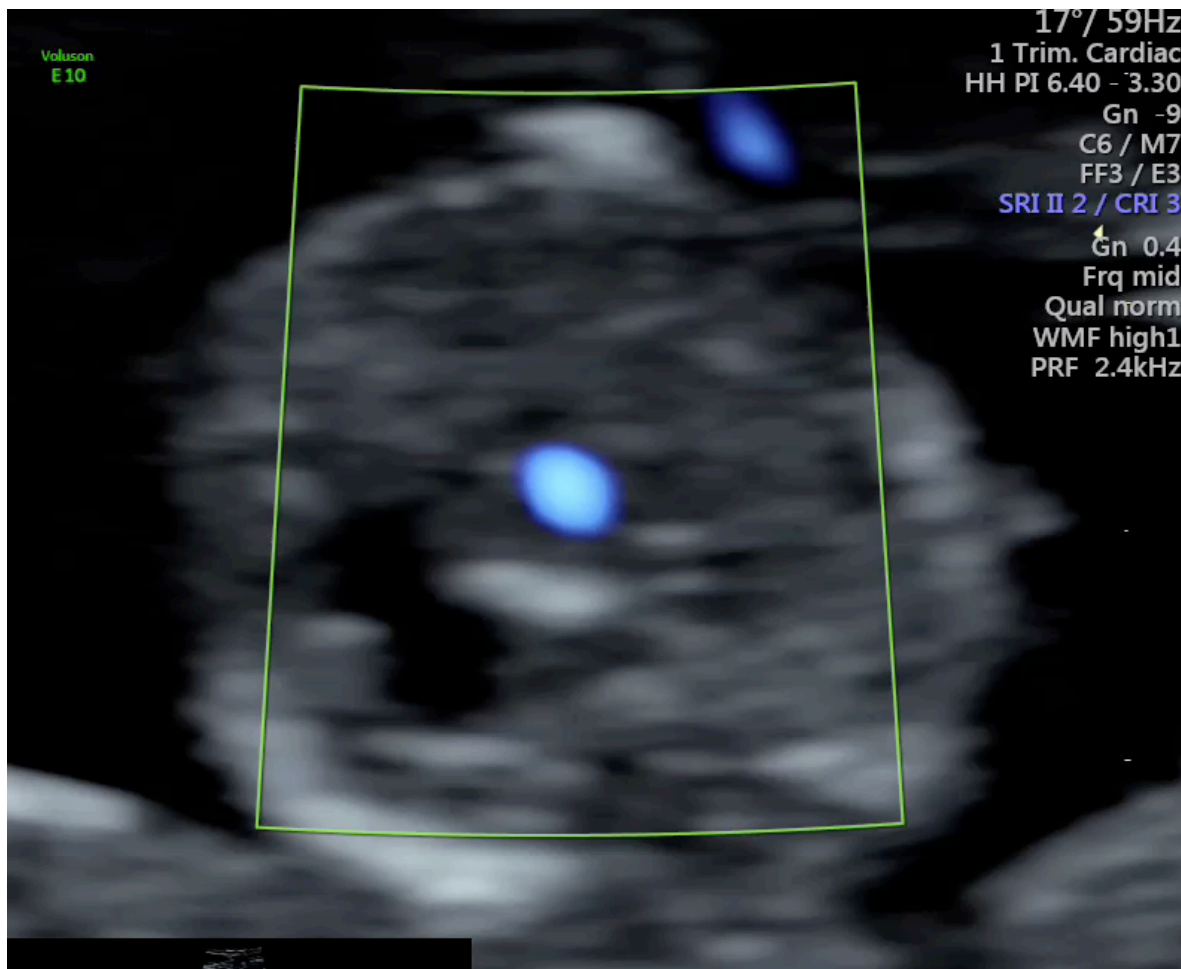
- Caja pequeña.
- Ajuste PRF.

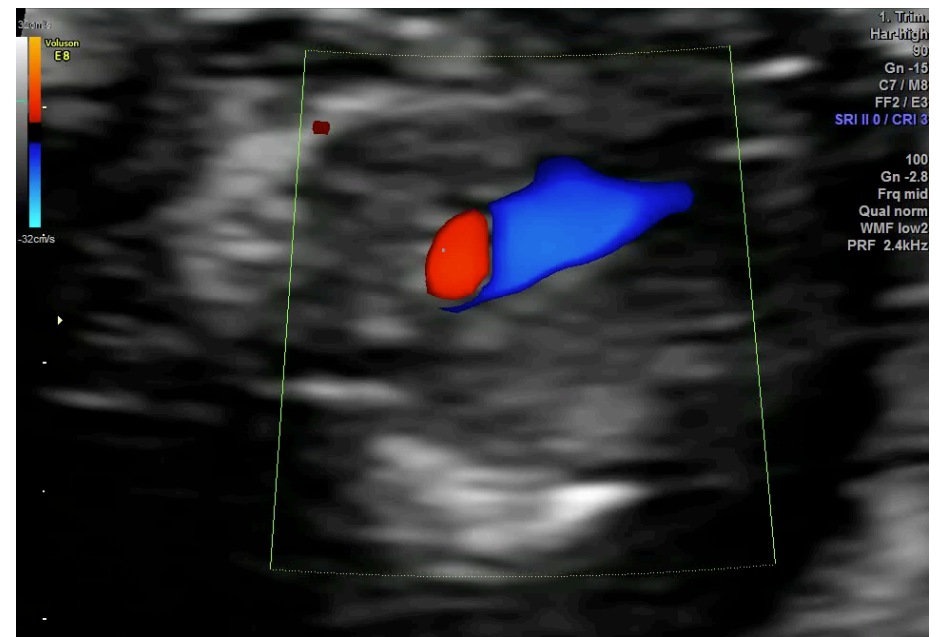
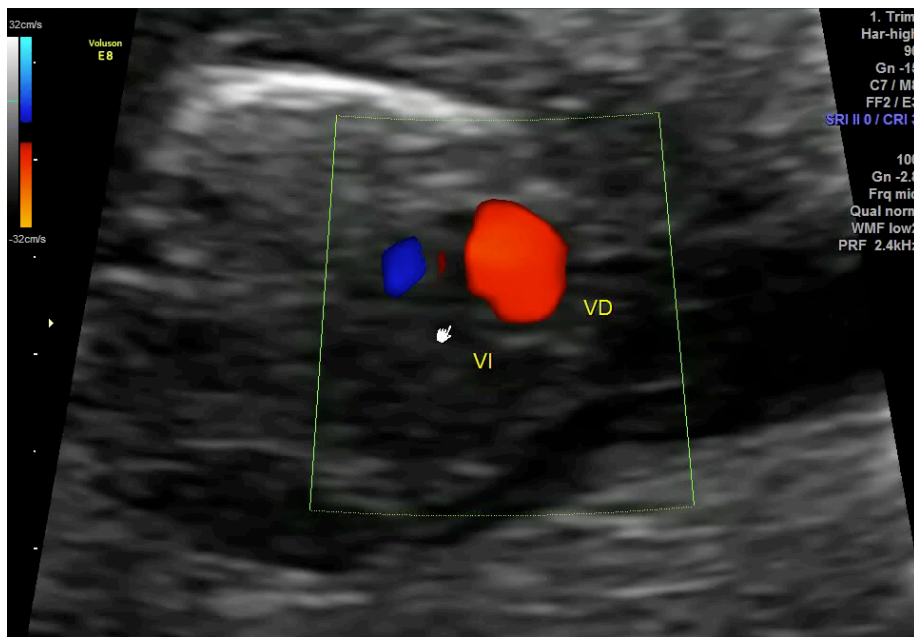


Evaluación en primer trimestre



Evaluación en primer trimestre







**“Conozca todas las teorías.
Domine todas las técnicas. Pero
al tocar un alma humana, sea
apenas otra alma humana”**

Carl Gustav Jung



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