

TERMINOLOGY

USE YOUR WORDS

VELLEY MARTIN CONTROL

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PADIOLOGY AND IMAGING SCIENCES





## FIRST TRIMESTER TERMINOLOGY

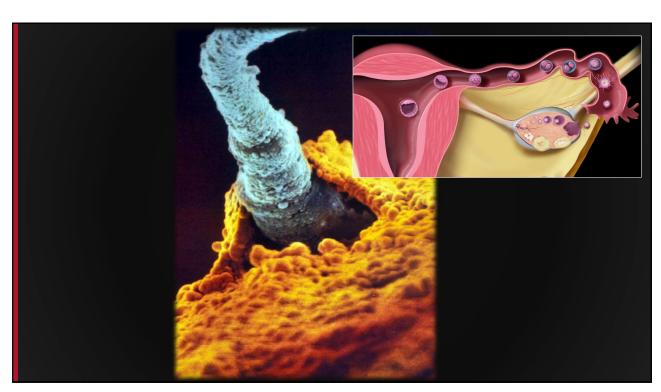
- <u>Definite intrauterine pregnancy</u>: Intrauterine gestational sac + YS or embryo, with or without cardiac activity
- Probable intrauterine pregnancy: Intrauterine sac-like structure
- <u>Pregnancy of unknown location</u>: NO signs of IUP or extrauterine pregnancy
- <u>Probable ectopic</u>: Inhomogeneous adherent mass or extrauterine sac like structure
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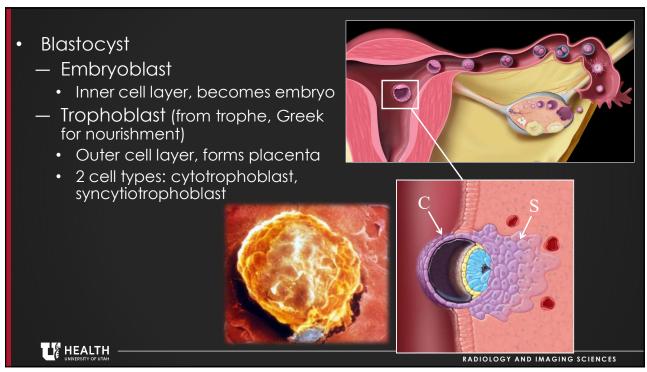


Barnhart K, van Mello NM, Bourne T. Pregnancy of unknown location: a consensus statement of nomenclature, definitions and outcome. 2011. Fertil Steril. 95 (3) 857-863

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5



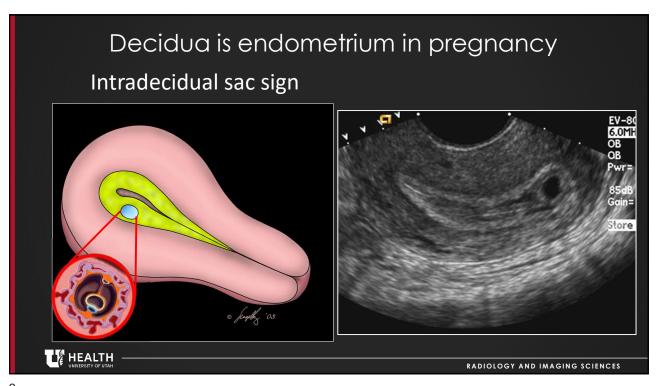


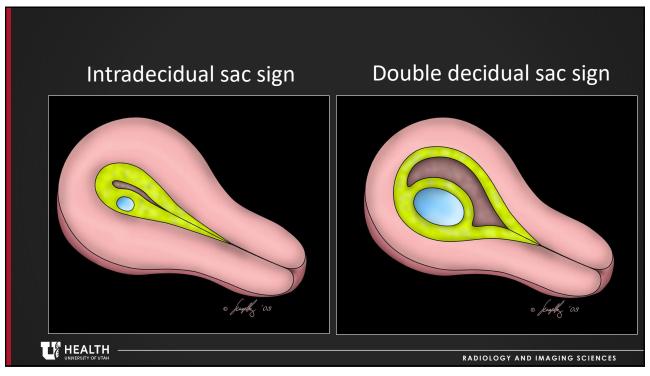
Chorionic villi develop from cytotrophoblast forming primitive uteroplacental circulation

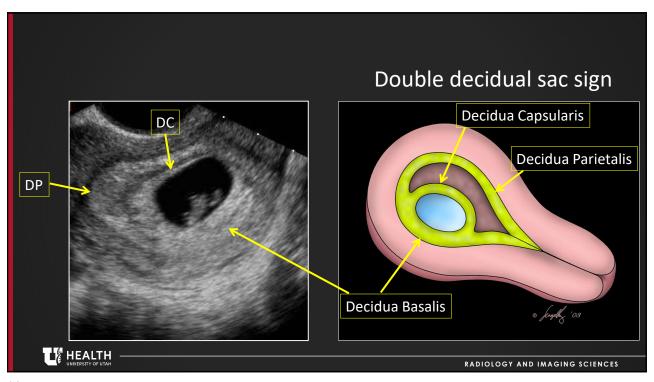
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Cooperation

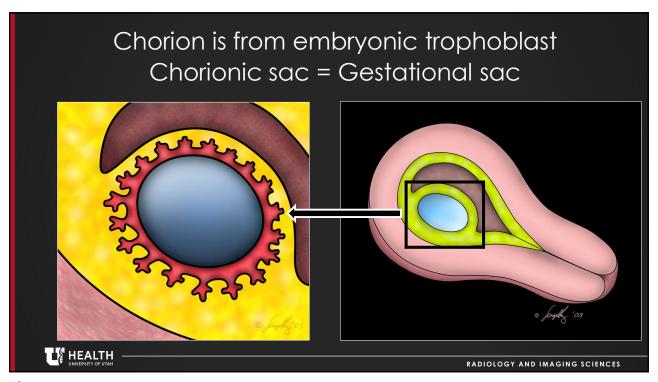
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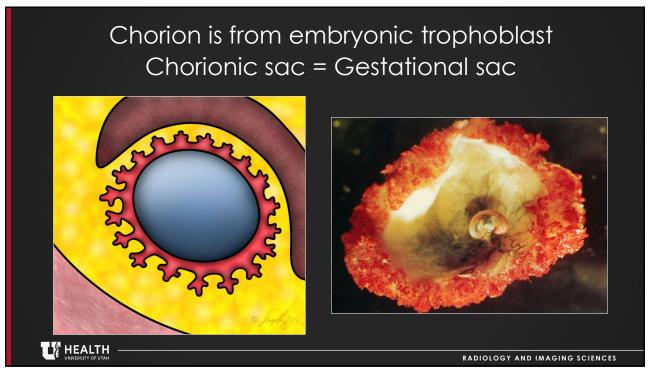


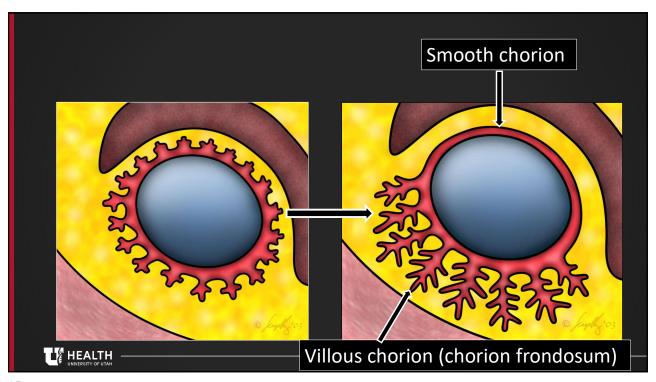


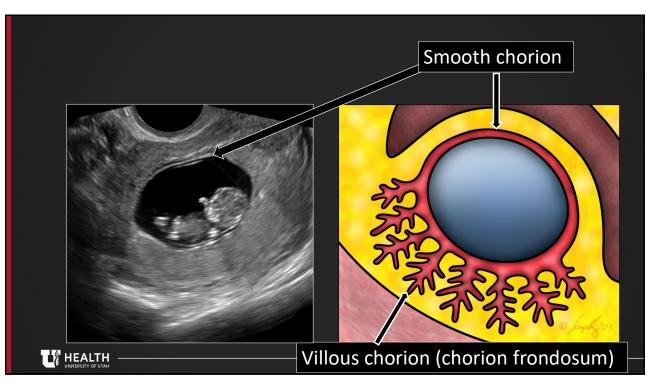


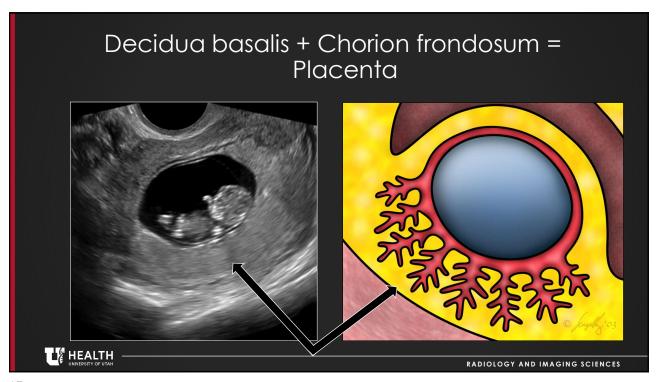


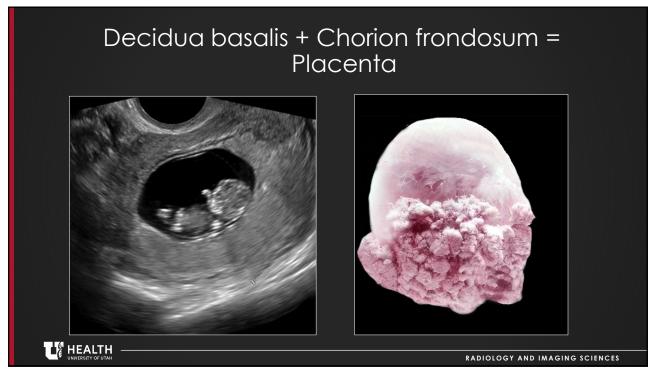


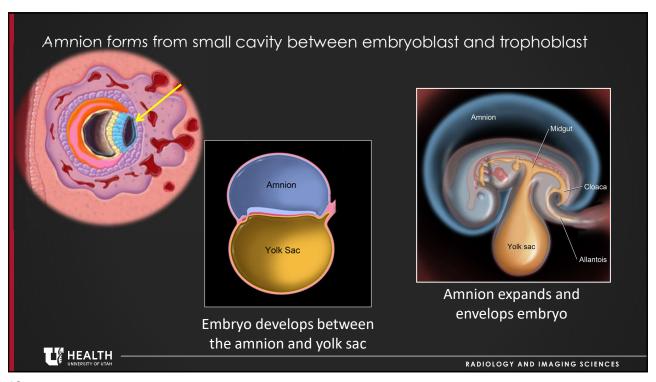


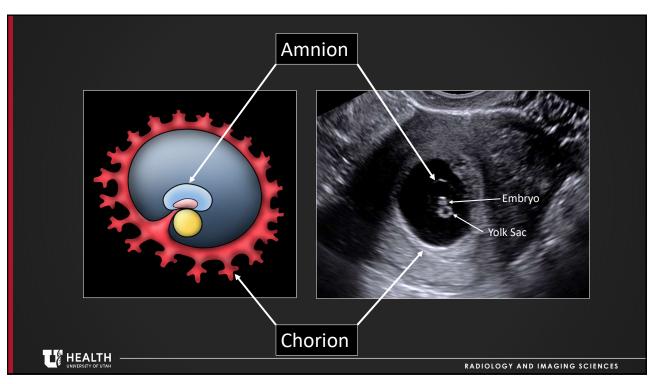


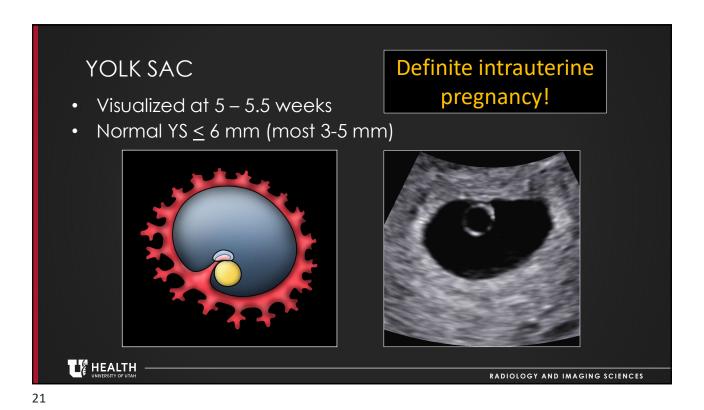












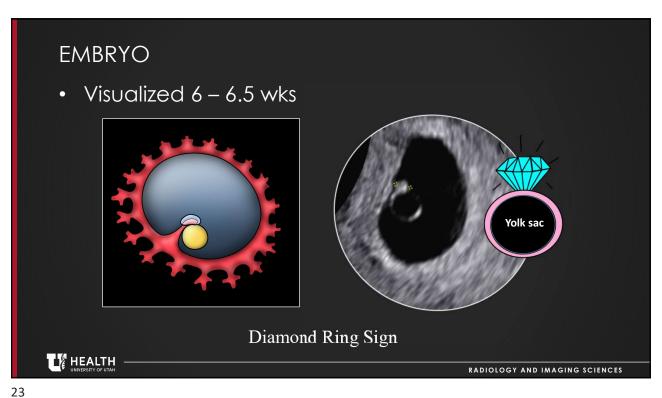
YOLK SAC

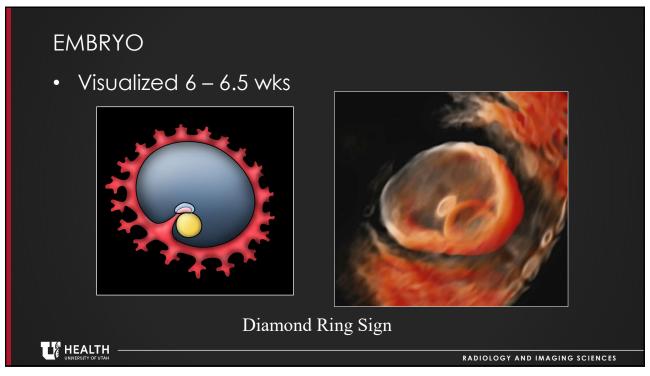
• Visualized at 5 − 5.5 weeks

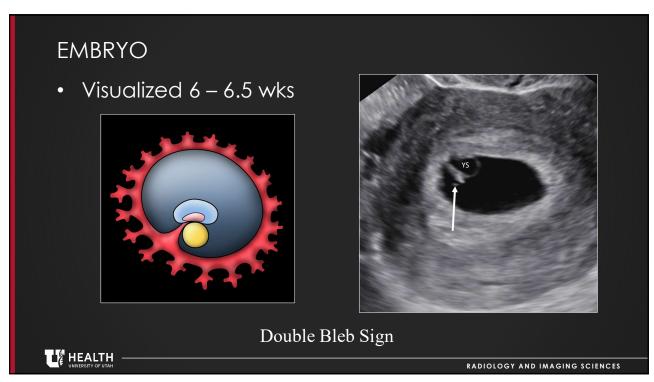
• Normal YS ≤ 6 mm (most 3-5 mm)

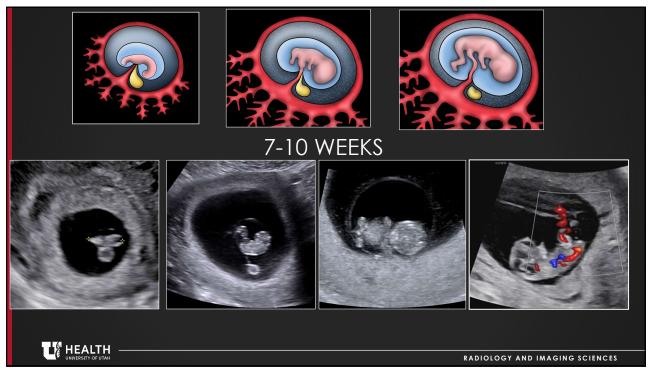
\*\*The property of the intrauterine pregnancy!\*\*

\*\*The property of the intrauterine pregnancy of the intrauterine















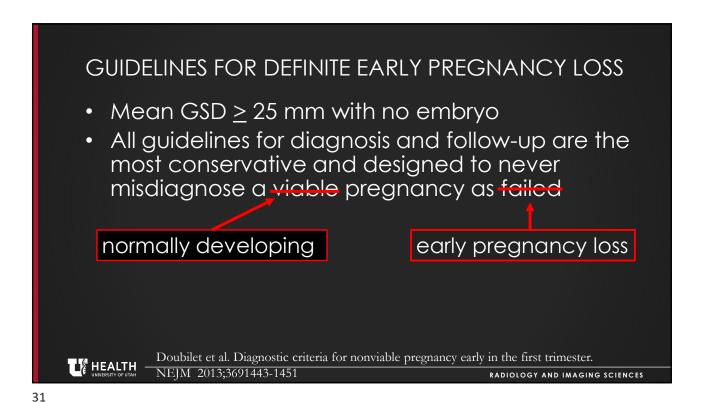
### GUIDELINES FOR DEFINITE EARLY PREGNANCY LOSS

- Mean GSD  $\geq$  25 mm with no embryo
- Yolk sac no longer part of guidelines



Doubilet et al. Diagnostic criteria for nonviable pregnancy early in the first trimester. NEJM 2013;3691443-1451

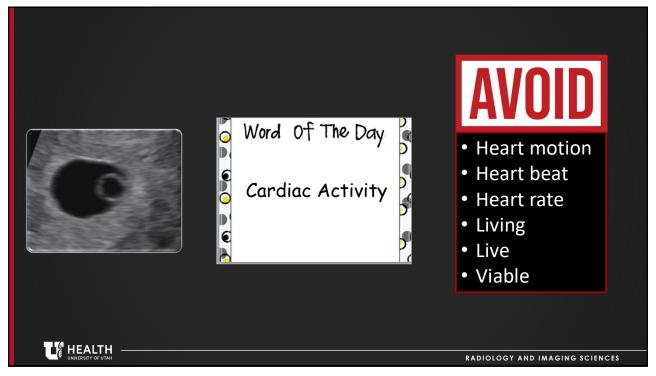
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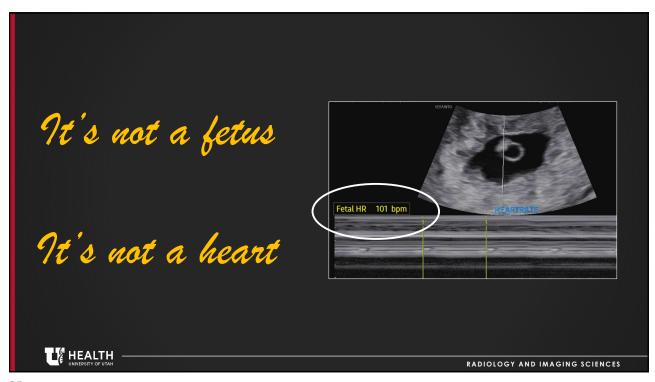


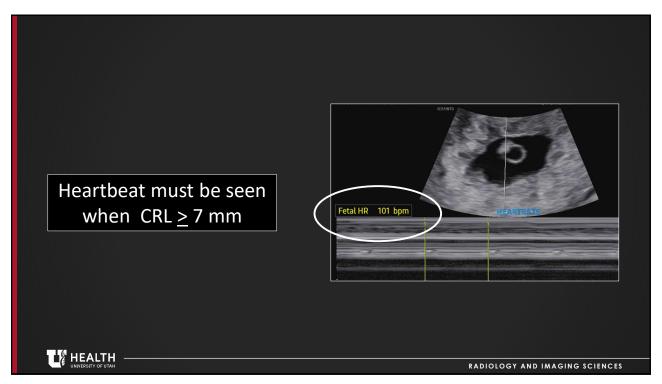
HEALTH

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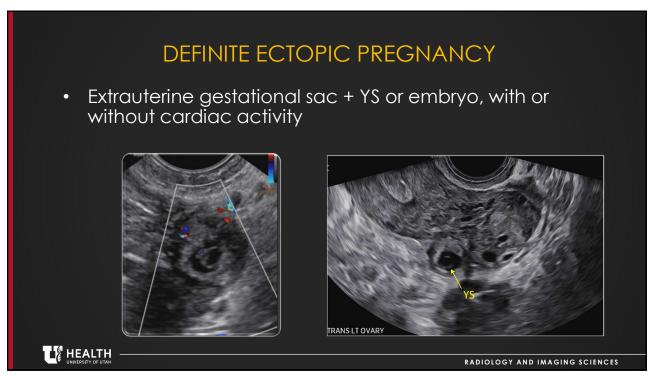








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### PROBABLE ECTOPIC PREGNANCY

- Inhomogeneous adherent mass or extrauterine sac like structure
- Findings
  - Echogenic tubal ring
  - Nonspecific mass
  - "Ring of fire" in trophoblast with color Doppler
- Use your probe to separate from ovary

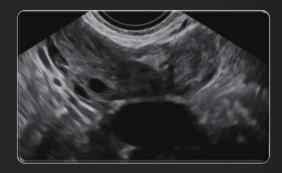


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39

# PROBABLE ECTOPIC PREGNANCY

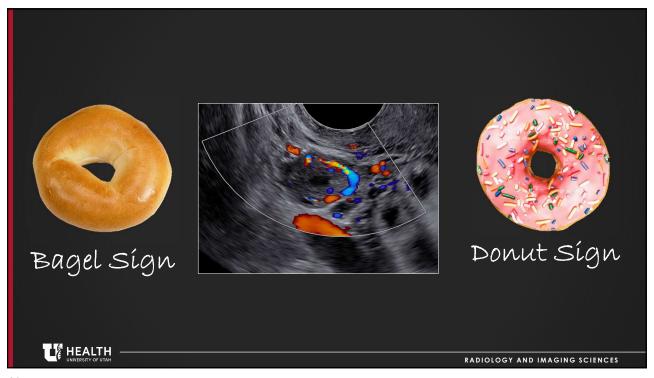




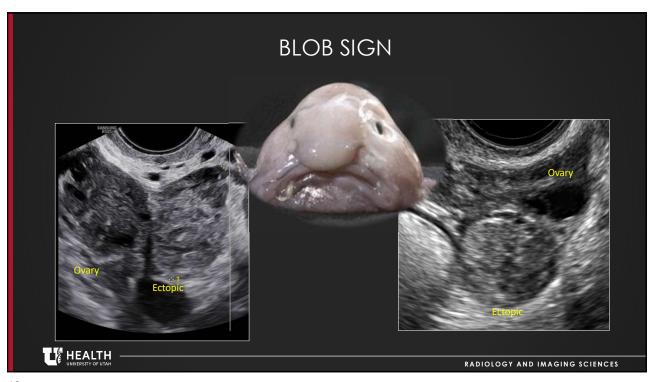
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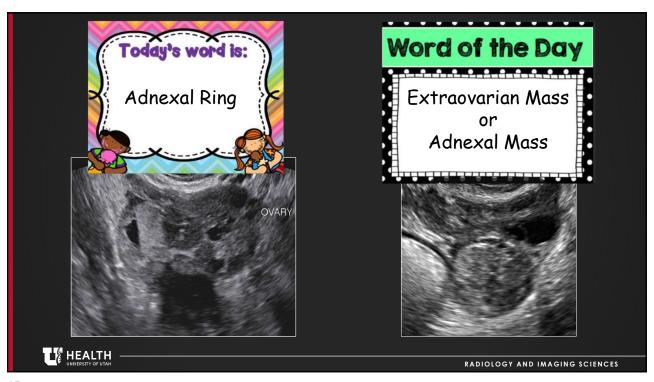
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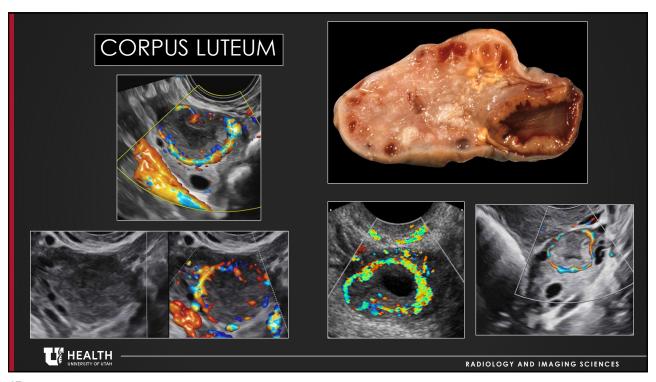


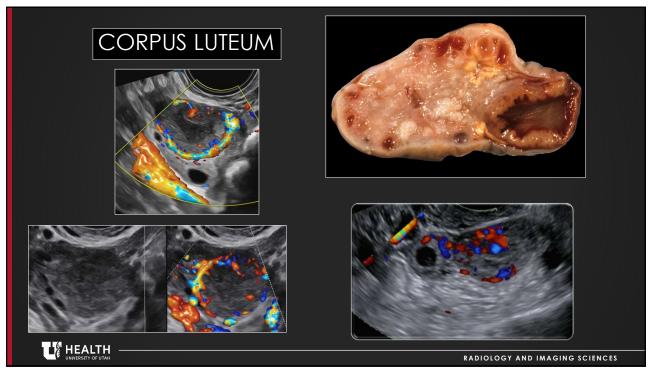












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49

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WHERE IS THE SAC IMPLANTED?



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