

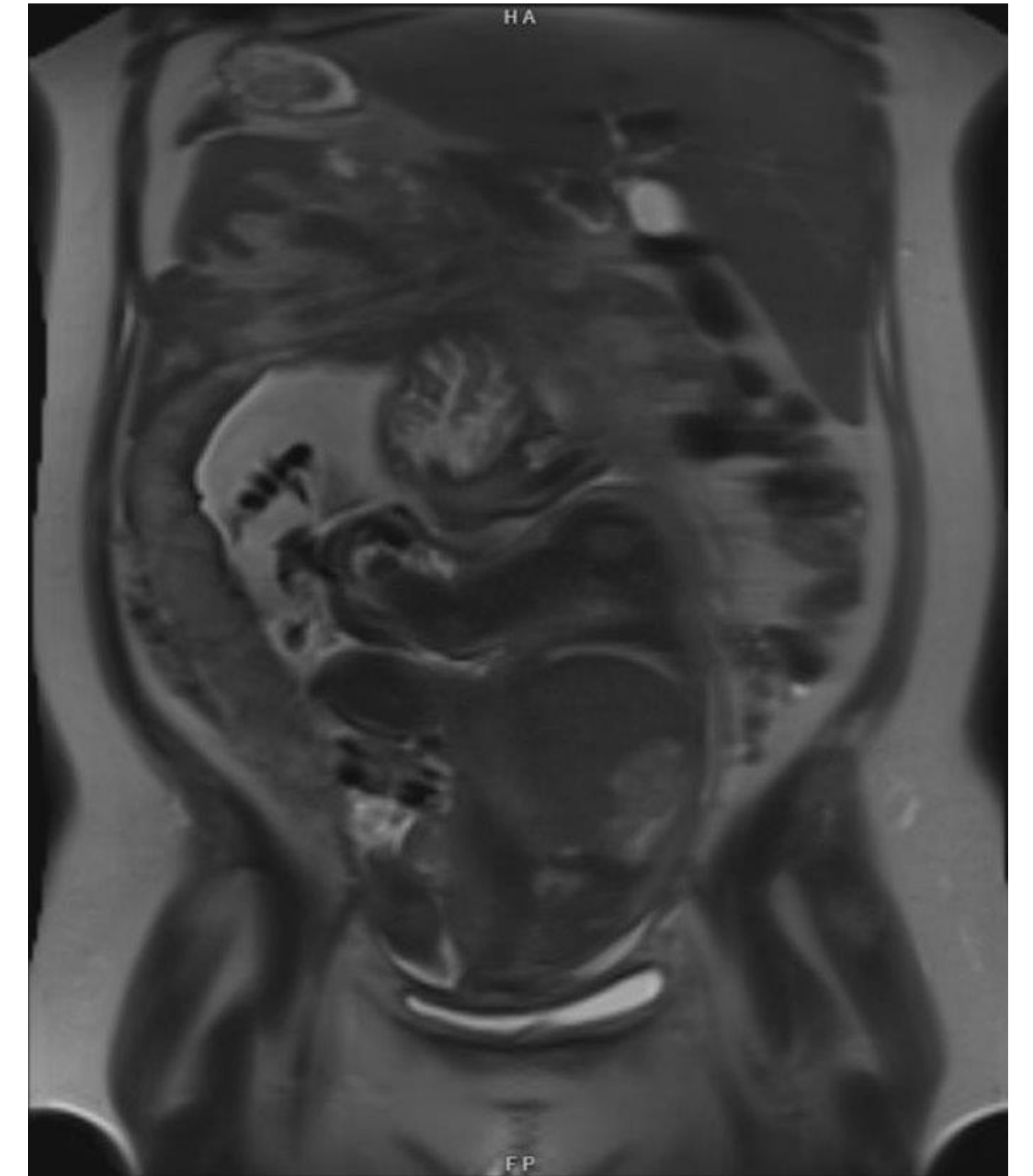
Anesthetic Considerations for Situs Inversus in the Peripartum Period

Preston Root DO and James Damron MD

University of Kentucky, Lexington KY

Background:

- Situs Inversus is a condition where organs of chest and abdomen are positioned in mirror image of normal anatomy
- The two main variants are dextrocardia and levocardia, with the latter associated with increased rates of congenital heart defects
- ~1:12,000 with autosomal recessive inheritance
- May occur in isolation but is associated with other pathology such as primary ciliary dyskinesia, congenital heart defects, and splenic malformations



Anesthetic Considerations for Situs Inversus in the Peripartum Period

Preston Root DO and James Damron MD
University of Kentucky, Lexington KY

Case: 22-year-old G1P0 female at 41w0d with past medical history of mild intermittent asthma

- Abd MRI during pregnancy demonstrated situs inversus with dextrocardia
- Labor epidural
- Convert to C/S, for arrest of descent
- Vacuum assisted delivery
- APGAR scores 9 and 9



Anesthetic Considerations for Situs Inversus in the Peripartum Period

Preston Root DO and James Damron MD

University of Kentucky, Lexington KY

Discussion:

Optimization

- Consider implications of poor mucociliary clearance
- Quantify any cardiac risk factors

Reversed anatomy

- EKG Lead placement
- Right lateral tilt
- TTE positioning and image capture

Emergency

- Pad placement
- Venous access
- Appropriate uterotonics