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## **OBJECTIVES**

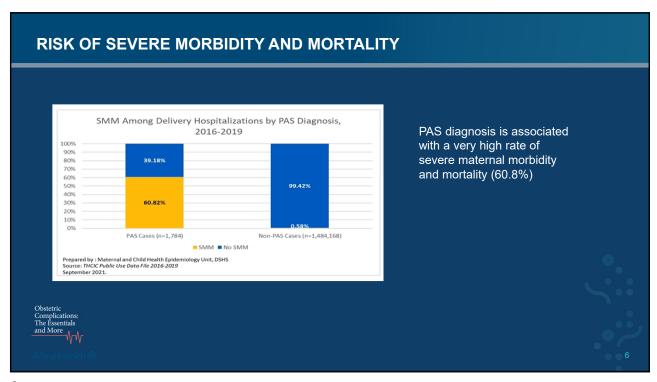
- Describe the incidence and pathophysiology of Placenta Accreta Spectrum Disorder
- Discuss identification of PASD
- Discuss management of PASD
- Discuss techniques for optimizing surgical care for patients with PASD

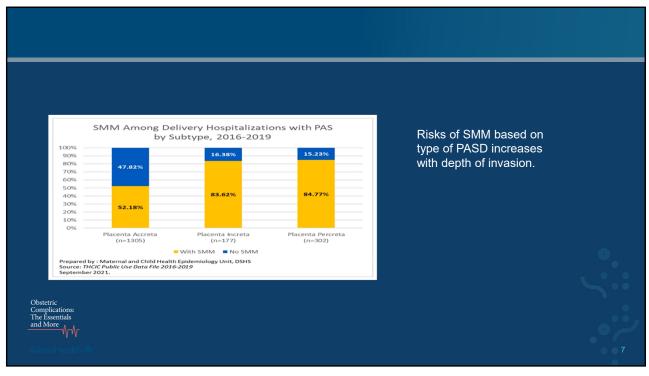
Obstetric Complications: The Essentials and More

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#### **PATHOPHYSIOLOGY**

Defects/Dehiscence vs Invasion

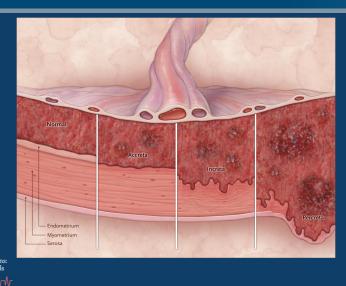
- View of PAS has changed for model of purely invasion to dehiscence
- Placental implantation in the area of a defect allow for disruption of normal anatomy.
- Invasion also occurs but is more often a secondary feature.
- A small defect can expand into a large problem.

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RM Silver, DW Branch. N Engl J Med 2018;378:1529-1536.

- Pathologic staging
- Similar to FIGO staging (allows for clinical staging)
- Accreta (FIGO stage 1) can be difficult to identify before delivery.

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#### **IDENTIFY RISKS**

An ounce of prevention...

- Prior Cesarean Delivery
- Other prior uterine surgery (e.g. Myomectomy, endometrial ablation, curettage)
- Placenta previa
- IVF (more with cryopreserved embryos)
- · History of retained placenta
- Ashermann's
- Endometriosis/adenomyosis
- AMA
- Multiparity
- Smoking

Obstetric Complications: The Essentials and More

Complications: The Essentials

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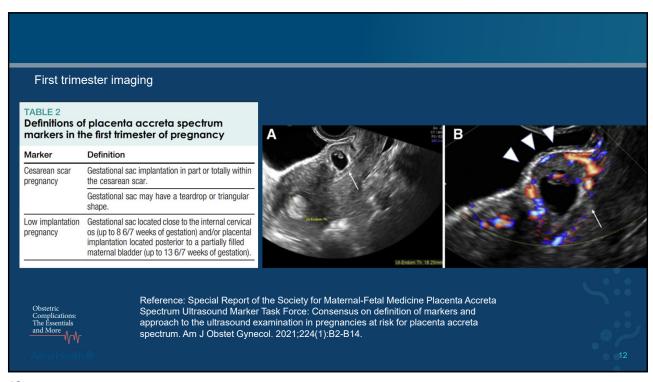
### **IMAGING**

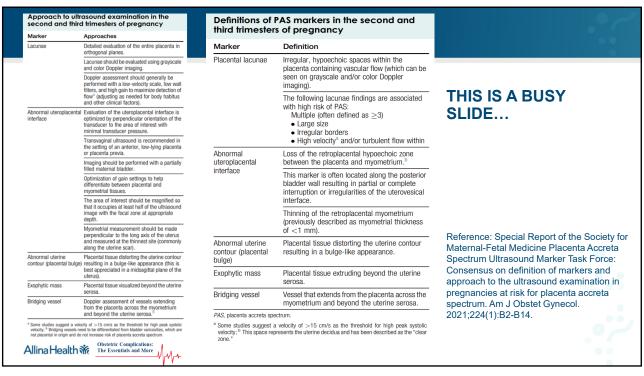
- Ultrasound is usually the best tool for identifying PASD
- MRI may be helpful in some situations and some centers, but has high variability.
- Full or partially full bladder is needed.
- Image the entire placenta.
- Use transvaginal ultrasound.
- Referral of patients at increased risk to specialized center is recommended.

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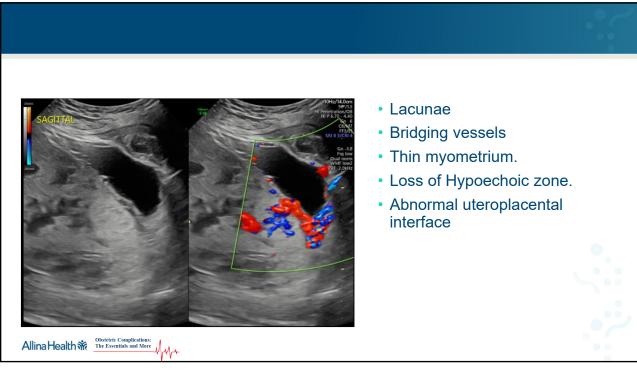
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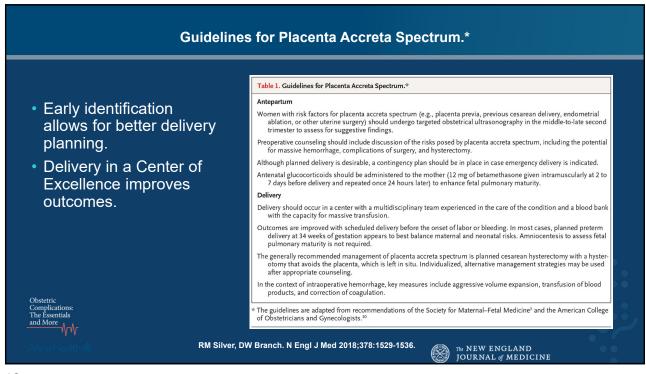




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