

## **C-03 Pregnant Woman With Severe Pulmonary Hypertension and von Willebrand's Disease Presents in Labor: What Are the Anesthetic Considerations for a Safe Delivery?**

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### **Objective**

After completion of this session, the participant will be able to:

- Formulate a plan for anesthetic management of a parturient with severe pulmonary hypertension, cerebral AVM, and von Willebrand's disease.

### **Case Stem Question**

A 27-year-old G2P1 female presents in labor.

PMH: vWD Type 1, severe pulmonary hypertension, moderate RV dysfunction, vein of Galen malformation, prior pregnancy with preeclampsia

PSH: 1 prior C-section done under GA

Medications: Sildenafil 20 mg TID. Previously on selexipag 2000 mcg BID/Ambrisentan, were stopped during pregnancy. Previously admitted with HF symptoms and received epoprostenol.

### **Guiding Questions for Discussion**

What are the anesthetic considerations for a patient with severe pulmonary hypertension?

What are the neuraxial anesthetic considerations for patients with von Willebrand's disease?

What is Vein of Galen, and how does Vein of Galen affect our anesthetic plan?

Patient has had a successful C-section under GA in the past. Should the same anesthetic plan be used?

If this case is either urgent or emergent, would your anesthetic strategy change?

What back up plans or back up services should be alerted prior to patient's delivery?

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