

Through the looking glass: Anesthetic Challenges in Mirror Syndrome

SAMANTHA SMITH, MD | BECKY MIRSKY, MD | YUN XIA, MD, PHD

BACKGROUND

Definition

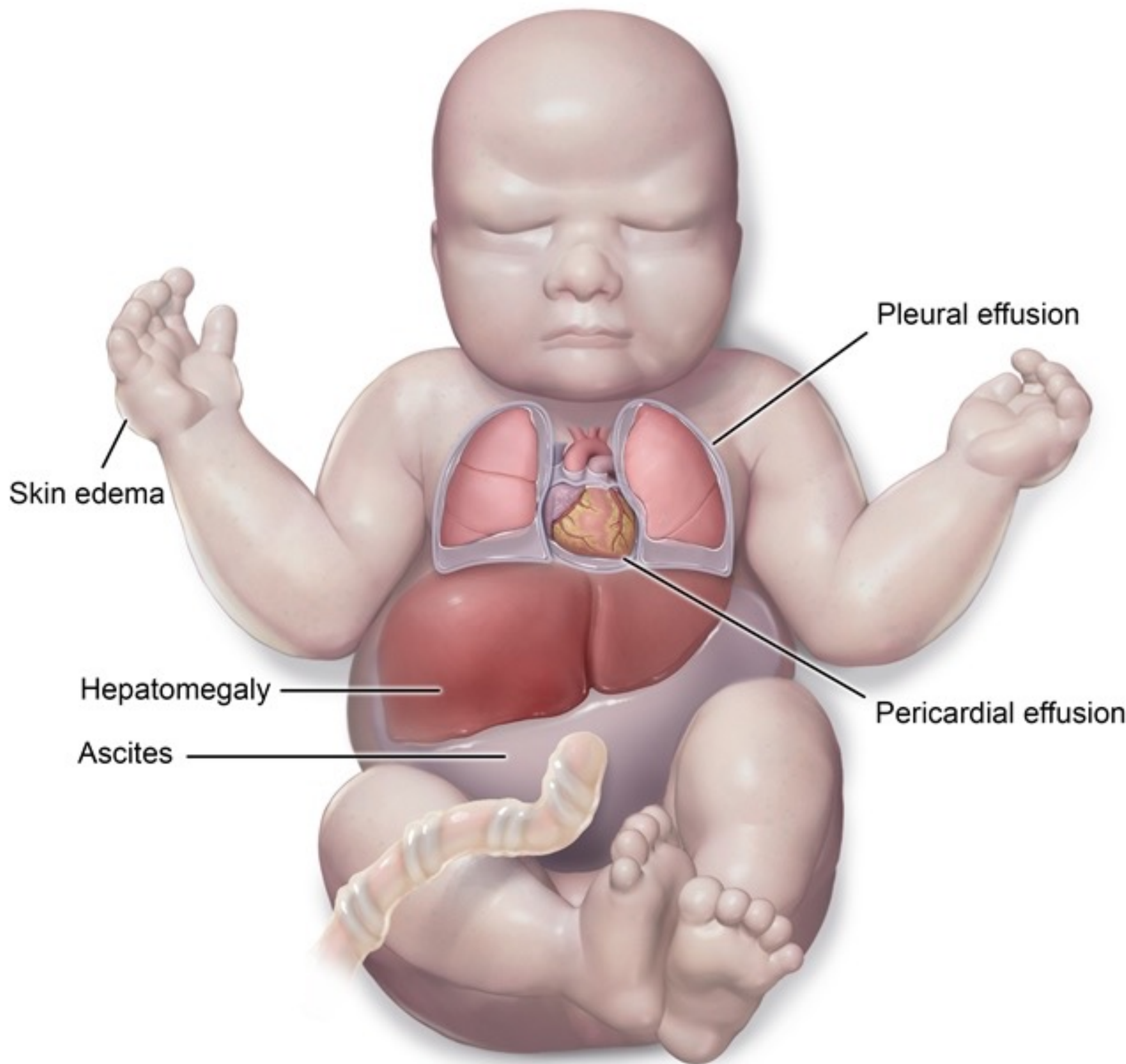
Mirror syndrome (Ballantyne syndrome) is a rare obstetric diagnosis characterized by **“triple edema”**...

Fetal hydrops

Placentomegaly

Maternal edema

... where maternal presentation often mirrors the hydropic fetus.



Pathophysiology

Infection, congenital anomalies, anemia



Hydrops fetalis



Placental edema and ischemia



Release of antiangiogenic factors



Maternal edema, HTN, proteinuria, weight gain

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CASE PRESENTATION

16-year-old G1P0 at 21.4 weeks gestation

- **Diagnoses:** Maternal mirror syndrome, Preeclampsia with severe features, Fetal hydrops due to parvovirus B19 cardiomyopathy
- **Maternal Findings:** Severe hypertension, headache, nausea, vomiting, ascites, hyponatremia, transaminitis
- **Fetal Findings:** Ascites, cardiomegaly, VSD, abnormal Dopplers, placentomegaly

Paracentesis 5 liters, two cordocenteses at outside hospital



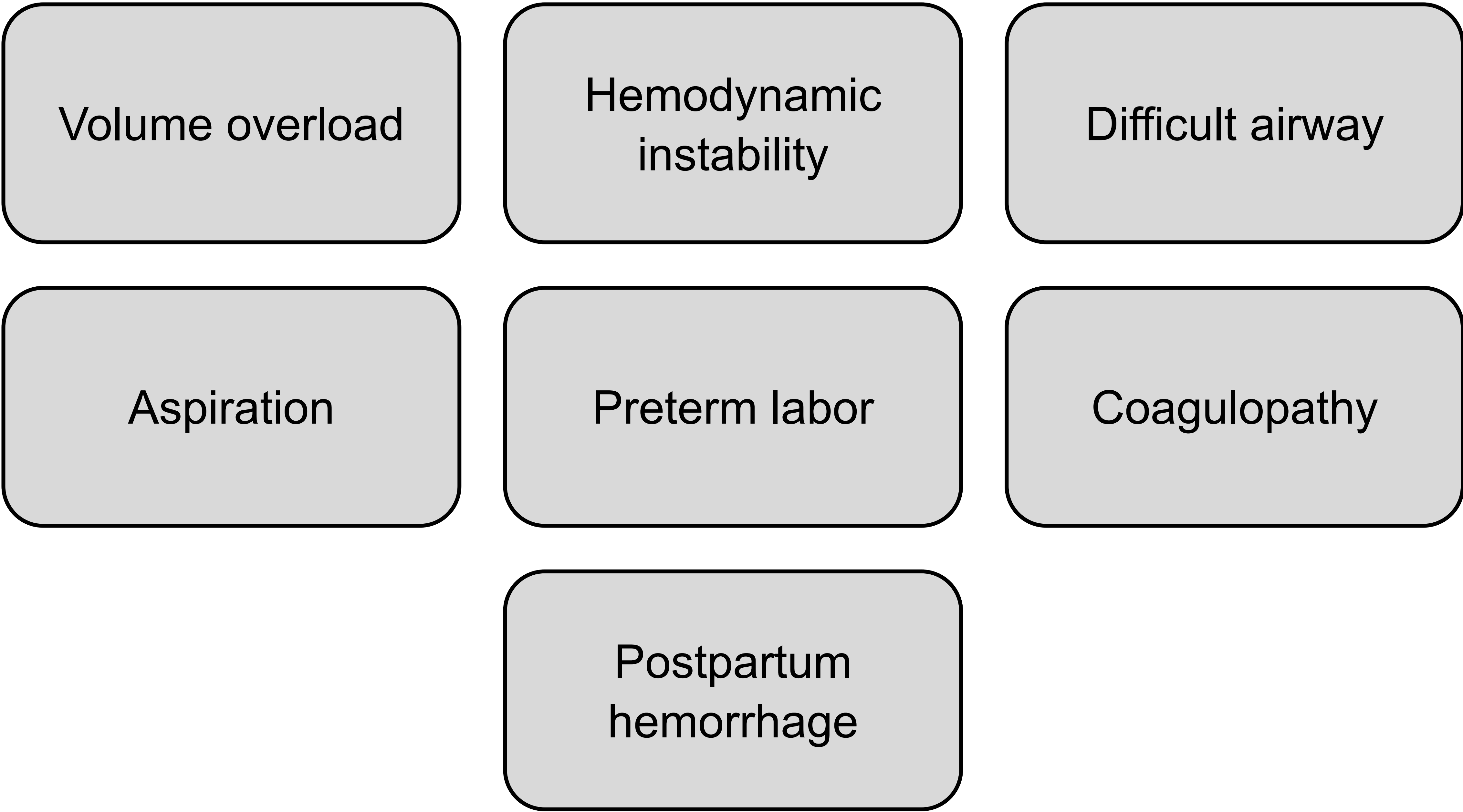
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TEACHING POINTS

Mirror Syndrome Risks



Anesthetic Management

General anesthesia poses airway management and aspiration concerns

Neuraxial anesthesia preferred if coagulation parameters are acceptable

Prioritize **fluid management** and **respiratory monitoring**

Clinical overlap with **preeclampsia** is common

Compassionate care is crucial