

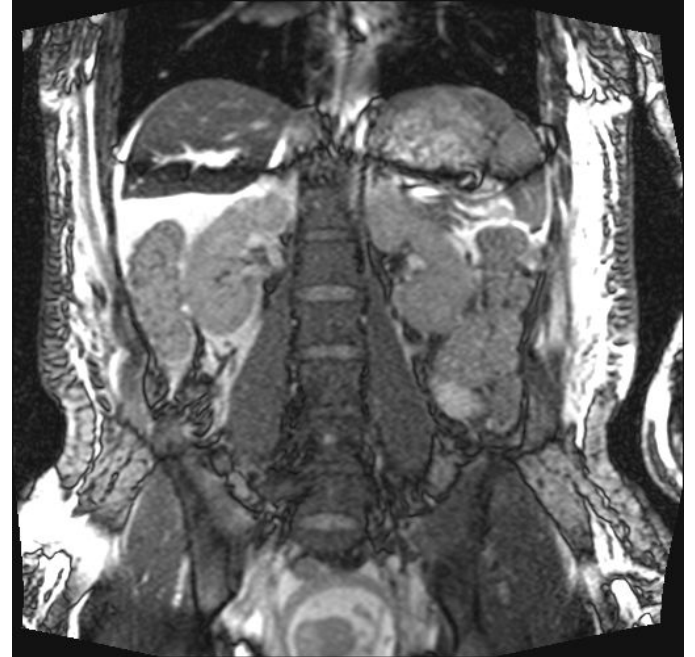
Liver Transplant in a Parturient with Autoimmune Hepatitis Complicated by Placental Abruptio

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Background

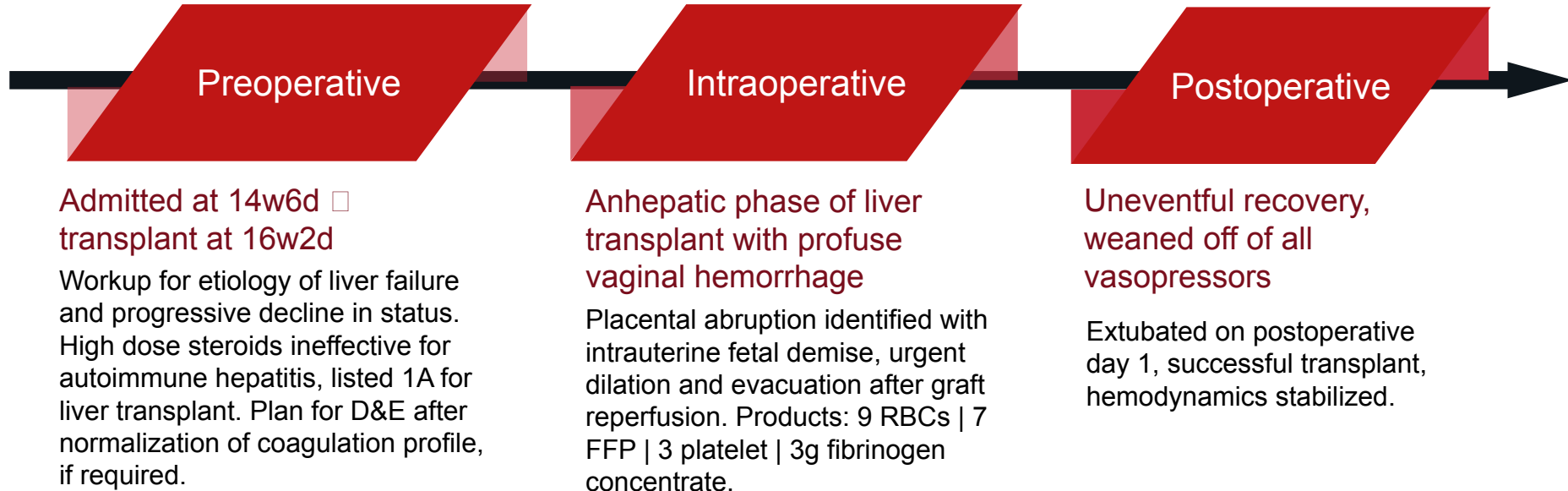
Acute liver failure in pregnancy is rare, can be highly fatal, and requires prompt recognition for optimal maternal and fetal outcomes

We report successful multidisciplinary care for a parturient receiving liver transplant secondary to acute liver failure, which was complicated by intraoperative placental abruption leading to fetal demise and requiring emergent D&E after reperfusion



Case Presentation

- 31 yo G2P1001 at 14w6d with new onset nausea, vomiting and jaundice found to have acute liver failure secondary to biopsy proven seronegative autoimmune hepatitis
- Labs: MELD (3.0): 33 | Cr 0.8 | Na 132 | T.Bili 20.7 | AST 2130 | ALT 1249 | INR 2.86
- Initial multidisciplinary plan: D&E after stabilization with liver transplant



Discussion

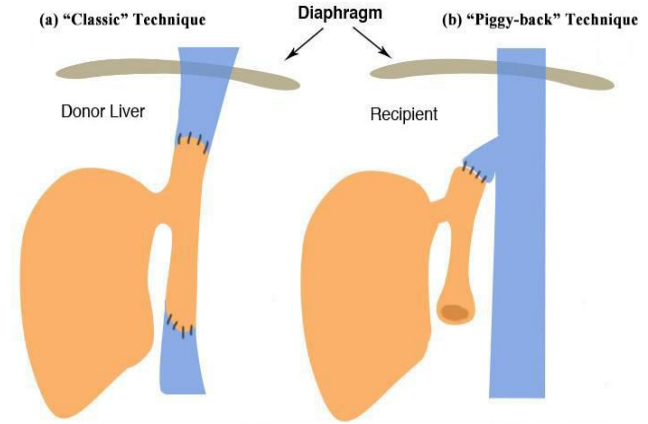
Conflicting Physiology

- Pregnancy hypercoagulability vs liver failure coagulopathy

Surgical Technique Considerations

- Bicaval vs piggyback (side to side anastomosis)
- Systemic bypass in addition to portal bypass may have reduced the uterine congestion associated with caval clamping

Successful maternal and fetal outcomes are possible and have been reported (Kimmich et al.)



Conventional Technique	Piggyback Technique
Removes IVC	Preserves IVC
Often requires bypass	Avoids venovenous bypass in most cases
Greater hemodynamic instability	Less hemodynamic disturbance
Longer anhepatic time	Shorter anhepatic time