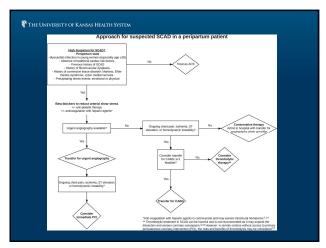


THE UNIVERSITY OF KANSAS HEALTH SYSTEM

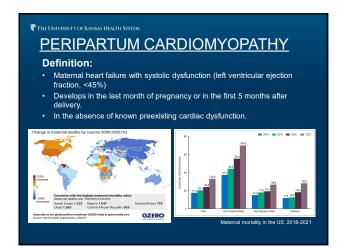
Pregnancy associated SCAD

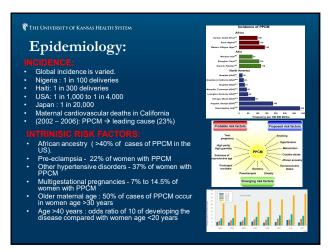
- Most common cause of pregnancy-associated MI and is reported as the cause of MI in 24% to 35% of all women younger than 50 years.
- Can be seen at any trimester in pregnancy and up to months postpartum, the majority of cases have been reported in the third trimester or early postpartum period defined as within 6 weeks of delivery.
- Abnormal electrocardiogram (ECG) changes, elevated troponins, and regional wall motional abnormalities on echocardiography are all diagnostic findings of PASCAD, which can be ultimately confirmed with coronary angiography.
- Failure to immediately address this condition can lead to acute heart failure, cardiogenic shock, and death.

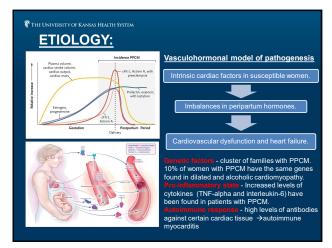
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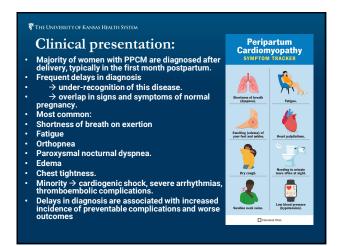


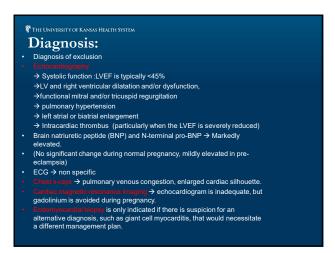
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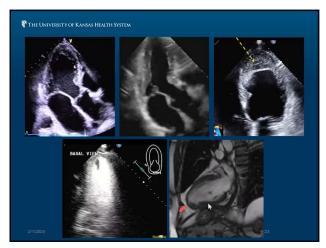


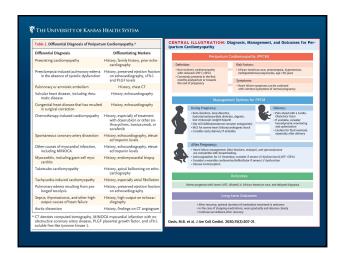


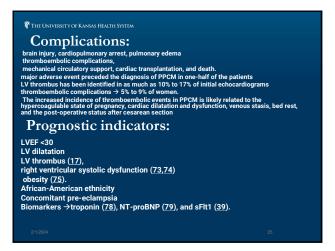


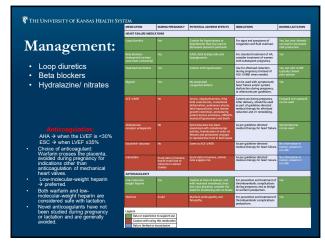












Labor and Delivery: Stable patients are delivered vaginally unless there are obstetric reasons for cesarean section (or) patient is on warfarin. Cesarean delivery: associated with a higher incidence of hemorrhage, infection, and thromboembolic complications. Unstable patients → invasive hemodynamic optimization prior to delivery and monitoring during delivery and the early postpartum period. Following delivery, removal of caval compression by the fetus, autotransfusion due to uterine contractions, and fluid mobilization and resorption contribute to an increase in venous return. The post-partum risk of fluid overload and pulmonary edema must be anticipated. Contraception: In the early postpartum setting with severe LV dysfunction → the increased risk of thromboembolism should dissuade the use of estrogen-containing contraceptives. Progesterone-releasing subcutaneous implants or the Mirena intrauterine device are safe and effective choices. Injectable depot medroxyprogesterone acetate is less effective and is considered a second-line option. Tubal ligation and vasectomy are other options. Persistent LV dysfunction: the risk of a subsequent pregnancy likely outweighs any risk associated with contraception. Therefore, women should be encouraged to select the method they will use most consistently.

