

Patient Review

- 30 Year Old G2P1 patient presents to a MFM office following an abnormal outside ultrasound History of one live birth via C-
- Comprehensive detailed ultrasonography assessment shows large cystic and solid (mixed) mass arising of the sacrococcygeal region of a 21 week 0 day fetus
- OThere was also a ventricular septal defect of the fetal heart noted
- OFetal IUGR later diagnosed
- MRI examination showed that the teratoma did not communicate with the spinal cord and no open neural tube defects were noted
- Patient carried the female fetus to 37 weeks gestation and delivered early via C-section
- Surgical resection of tumor was performed and neonate went home following a 5 week stay in the neonatal intensive care unit

Diagnostic Procedures

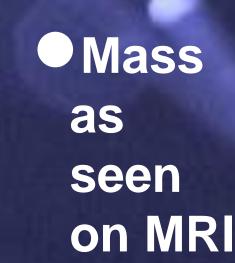
- Ultrasound
- OAllows for frequent monitoring of fetal well-being and observation of tumor size and content
- OCan be done at any time in pregnancy
- MRI
- OGives better insight into tumor make-up, vasculature, and connections
- Multimodality imaging is vital in creating a care plan for both mother and fetus

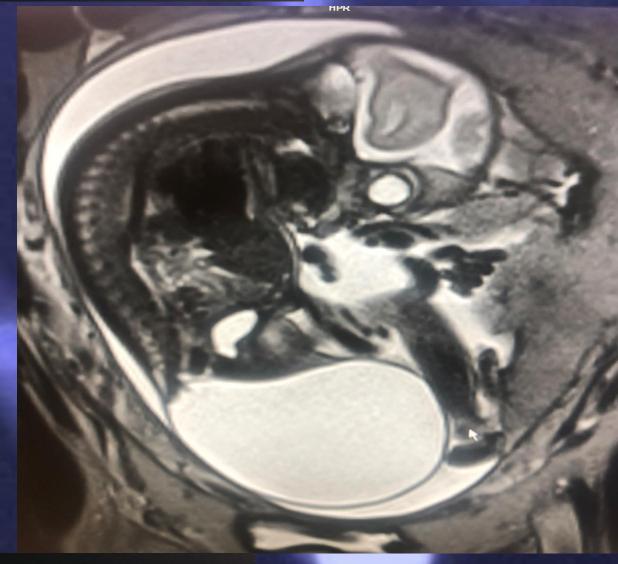
Sacrococcygeal Teratoma

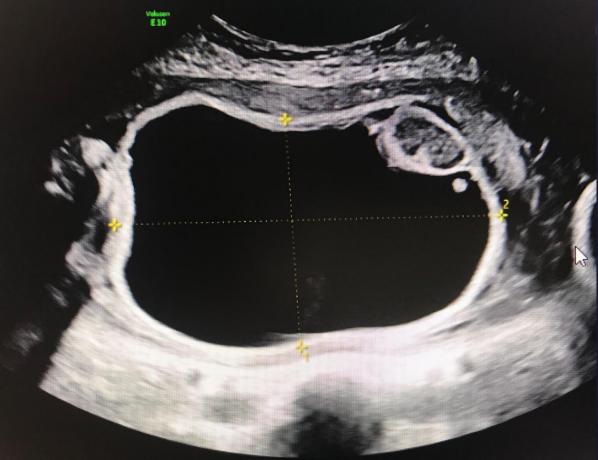
Holly Berkey



Massat 21weeks







Mass at36 weeks

Mass immediately following delivery



Pathogenesis and Effects

- Most common congenital anomaly in fetuses
 - ○1 in 35,000
- Arise from multiple germ cell layers
- OEndoderm, mesoderm, ectoderm
- Can contain teeth, hair, and bone
- Causation unknown
- OMay be caused by abnormal migration of germ cells in the early embryonic period
- Large blood supply of tumor may take necessary nutrition and oxygen away from fetus causing heart issues, placental issues, irreversible neurological effects, or failure to thrive post birth
- Known to cause IUGR due to large nature of tumor
- Small malignant potential

Treatment options

- C-section indicated once
 Sacrococcygeal tumor reaches 5
 cm in diameter
- Surgical intervention is the only therapy needed for benign tumors
- Olt is recommended that surgery be done a few days after birth so the the neonate has more strength
- Chemotherapy and more radical surgeries indicated if malignant

References

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