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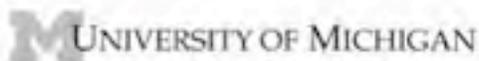
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M1 Human Growth and Development
Fetal and Neonatal Small Group Session
Heather Burrows
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Case 1: Three women are coming into your obstetric practice this afternoon.

-Dr Adams is a 43 year old college professor with a history of depression. She plans to return to work 6 weeks after delivery. She is at 36 weeks and her fetus is tracking on the small end of AGA.

-Ms Brown is a 17 year old high school student living with her extended family. She is at 30 weeks and her fetus is tracking AGA.

-Ms Chadwick is a 33 year old G5P1SAb3 who smokes 2 ppd and uses marijuana. Her fetus is at 18 weeks and is SGA with decreased movement on fetal US and a possible heart defect.

How would you counsel each woman on the following:

Nutrition:

Risk for IUGR

Top priority for intervention today:

Case 2: You are contacted by the NICU team to become the PCP for baby Sidnee. She is a former 29 week preemie with a medical history of multiple blood transfusions, a grade III intraventricular hemorrhage and necrotizing enterocolitis status post partial small bowel resection. She is currently at 2.8 kg and on full oral feeds and ready for discharge. Her medications include iron supplements and caffeine. Her social history is significant for parents who are 16 years old without family support or reliable transportation. Mom smoked throughout her pregnancy. Neither parent have visited the NICU frequently and they have been resistant to social workers' offers of assistance.

-What medical risks does Sidnee have for deficient growth?

-What social risks does Sidnee have for deficient growth?

-What unique requirements does she have for a diet plan?

Case 3: 6 week old Matthew presents to your office this afternoon with a 2 week history of blood in his stools and mild fussiness. His diet consists of low-iron Enfamil formula (approx 19 oz per day). His birth weight was 3.5kg, HC 34cm, length 51cm. His weight at 2 weeks was 3.65kg and his weight today is 3.78kg.

-Has his weight gain been adequate?

-Discuss his diet.

-What are the likely causes of his problem(s) and what interventions would you make?