Acting Internship: Perinatal Medicine

<table>
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<tr>
<th>Course Director</th>
<th>Jill M. Sutton, MD</th>
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<tr>
<td>Duration</td>
<td>4 weeks ONLY</td>
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### Course Goal(s)

The student will experience the range of Maternal-Fetal Medicine clinical care and investigation. The venues for this experience will include the fetal diagnostic center, the high risk obstetric clinic (Regional Perinatal Center), the Antepartum High Risk Unit at Vidant Medical Center, and Vidant Medical Center labor and delivery.

### Educational Objectives

The MSIV student will:

1. Understand the rationale for fetal diagnosis, genetic counseling and early high risk assessment
2. Evaluate patients with high risk problems in pregnancy
3. Participate in the peripartum assessment and management of antepartum and intrapartum high risk obstetric patients
4. Gain specific knowledge in the following high risk problems: preterm birth, premature rupture of membranes, fetal growth restriction, diabetes, hypertension, obstetric infections, obstetric hemorrhage, multiple gestations.
5. Develop an educational project that will enhance future learner education on a selected topic related to high risk pregnancy and obstetrics.

### Course Readings

During the 4 week rotation - chapter(s) from one of the standard textbooks (Creasy and Resnik, Gabbe, or Williams) pertinent to fetal diagnosis, genetics, preterm birth, premature rupture of membranes, hypertension/preeclampsia, obstetric infections, multiple gestations, fetal growth restriction, labor abnormalities, obstetric hemorrhage, and cesarean sections will be offered for review.

### Course Activities/Experience

**Expectations by venue: Fetal Diagnostic Center (FDC)**

i. Observe and participate in the ultrasound clinic (Monday – Friday 8am to 5pm)
ii. Observe two genetic counseling sessions with the genetic counselor or MFM faculty
iii. Observe at least one genetic amniocentesis
iv. Read at least 10 NSTs, cosigned by MFM faculty
v. Observe 2 Biophysical Profiles
vi. Perform 2 AFI measurements under supervision
vii. Perform 2 S/D ratios under supervision
viii. Observe 2 fetal echocardiograms
ix. Observe at least 10 targeted ultrasounds
x. Maintain a log of experience (Name, MR#, GA, Procedure) for review by Dr. Sutton

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Regional Perinatal Center (RPC)

i. Participate in the direct care of high risk patients as an Acting Intern (8am to 5pm)
ii. Present all patients to the MFM attending after the patient is seen.
iii. Select patient to see with one each of the following: history of preterm birth, premature rupture of membranes, fetal growth restriction, diabetes, hypertension/preeclampsia, obstetric infections, obstetric hemorrhage, multiple gestations.
iv. Keep a log with the patient’s name and MR# for review by Dr. Sutton.

Labor and Delivery (L & D).

i. Participate as a member of the L&D Team (Monday-Friday 6am to 5pm).
ii. Participation goals are:
   1. >2 vaginal deliveries
   2. >2 cesarean sections
   3. at least one PP-BTL and one cerclage
   4. perform 4 triage evaluations with a resident co-signature
iii. See each patient with the resident/midwife post partum.
iv. Keep a log of experience (Including Name, MR#, diagnosis and procedure) for review by Dr. Sutton

Antepartum unit

i. Participate as a member of the Antepartum team (6am to 5pm)
ii. Round daily with the Chief resident
iii. Daily med student note to be co-signed by Attending of the Day
iv. Expect case specific reading assignments and short presentations to the rounding team.

Optional Call Shifts

❖ The student is encouraged but not required to take up to two additional call shifts on any weekend during the rotation. This could be Saturday AM (7am-7pm), Saturday PM (7pm to 7am) or Sunday AM (7am to 7pm).

Attend conferences: Fetal Dysmorphology Board, Wednesday PM conferences.

Develop and Present an Educational Project

i. Topic will be selected in week one with the Course Director
ii. Identify and area of focus/educational need with respect to High Risk Obstetrics to enhance either resident or medical student education (or both).
iii. Develop a curricular plan (one page document) for the educator
iv. Develop a pre and post test to assess educational outcomes
v. Develop an educational PowerPoint presentation(20 minutes)
vi. Design the one hour long lecture with the assistance of Dr. Sutton
vii. Present your curricular project to your designated audience

Weekly Meetings with Dr. Sutton: to be scheduled by Dr. Sutton, usually Fridays at Noon.

Agenda:
1. Review logs
2. Review progress with reading
3. Review progress on educational project
4. Ask questions and problem solving

On Call Requirements
Night call is not an expectation, but night call can enhance your L&D experience.
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<th><strong>Student Performance &amp; Assessment</strong></th>
<th>The course director will obtain evaluations from residents and faculty identified by the student. The course director will then take the average of these evaluations along with assessment of the performance on the Educational Project to determine the final grade.</th>
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<td><strong>Other Info</strong></td>
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