

Neonatal-Perinatal Medicine Rotation Description

Perinatal Medicine

Description and Goals:

During the Perinatal Medicine Elective, fellows in Neonatal-Perinatal Medicine will gain exposure to the presentation, evaluation and usual management of disorders of pregnancy that impact the outcome of pregnancy and the neonate. Included in such disorders are

1. Pregnancy Induced Hypertension and pre-eclampsia,
2. HELLP Syndrome
3. Diabetes – including gestational diabetes
4. Maternal cardiac disease
5. Disorders of placentation
6. Disorders of growth and amniotic fluid volume
7. Maternal blood group incompatibilities
8. Maternal infections and exposure to infection
9. Multiple pregnancies
10. Other common maternal conditions and complications of pregnancy

The fellow will also gain exposure to the range of antenatal and intrapartum testing offered to patients under different circumstances, ranging from the uncomplicated to the high risk pregnancy.

The objectives of this elective will be met through the fellow's participation in rounds, clinics, and conferences. Currently (but subject to change) the schedule includes:

1. Monday: MFM Rounds (AM) and Genetics rounds (PM)
2. Tuesday: General MFM (AM) and Conferences (PM)
3. Wednesday: Rounds (AM) and Preterm labor PTL clinic (PM)
4. Thursday: Twins Clinic (AM)
5. Friday: Rounds (AM) and Diabetes Clinic (PM)

The elective will be two weeks in duration, though it may be repeated according to the individual fellow's needs and interests.

Specific Objectives and Competencies Addressed:

1. Patient care that is compassionate, appropriate and effective for the treatment of health problems and promotion of health.
 - a. Identify patients who would benefit from referral to specialists in Maternal-Fetal Medicine during current or future pregnancies
 - b. Identify and demonstrate the pediatrician's contribution in reducing fetal and neonatal risk through participation in assessment and management of perinatal conditions that place the neonate at risk of death or morbidity
 - c. Identify tests of antenatal of fetal well-being and their role in the management of complicated and uncomplicated pregnancies
2. Medical Knowledge

- a. Identify antenatal conditions that impact the prognosis of neonate or the risk of adverse outcomes of pregnancy
 - b. Identify and describe strategies to reduce fetal and neonatal morbidity
 - c. Know the anticipated outcomes, including mortality and morbidity, of preterm delivery of common complications of pregnancy and how fetal interventions influence those outcomes
 - d. Discuss experimental or emerging therapies of disorders that influence the outcome of pregnancy.
 - e. Identify the potential contribution and complications of antenatal and fetal testing during pregnancy
 - f. Identify strategies to reduce risk of neonatal and fetal mortality and morbidity
 - g. Identify sources of information regarding fetal and maternal disorders appropriate for the practice of neonatology.
3. Interpersonal and communication skills
 - a. Identify interactions between specialists in Maternal-Fetal Medicine and their patients that are effective in promoting effective patient care when discussing sensitive and emotional issues related to disorders of pregnancy with prospective parents and families.
 - b. Identify the specific ethical issues encountered in antenatal genetic testing and consultation, including confidentiality and autonomy
 4. Professionalism
 - a. Demonstrate a commitment to the acquisition of knowledge related to perinatal management of disorders affecting neonatal outcomes
 - b. Demonstrate the skills required to critically appraise and apply medical literature to patient care
 - c. Demonstrate a commitment to carrying out professional responsibilities

Contact:

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Evaluation:

Evaluations will be managed through e-Value.