

CLINIC/WARDS ROTATION OBJECTIVES

MATERNAL-FETAL MEDICINE FELLOWSHIP

University of New Mexico

1. General Description

The Wards/Clinic Rotation involves outpatient and inpatient care of gravidas with pregnancy-specific conditions as well as medical and surgical complications of pregnancy. As the only academic center in New Mexico, UNMH fellows will be exposed to a broad and rich clinical experience.

MFM fellows rotating on the wards and MFM clinics will care for women with pregnancy specific conditions such as preterm labor, preterm premature rupture of membranes, preeclampsia, intrahepatic cholestasis of pregnancy and acute fatty liver of pregnancy.

In addition, the MFM fellows will care for gravidas with medical complications of pregnancy both as primary care providers and as consultants. These complications will include: renal, cardiovascular, hematologic, hepatic, gastrointestinal, neuropsychiatric, pulmonary, infectious, gynecologic, neoplastic, dermatologic and autoimmune diseases. In addition, the fellow will care for women with endocrinologic and substance abuse disorders. The fellows will also learn diagnosis and care of women experiencing traumatic injuries as well as those undergoing non-obstetric surgeries.

The goal of this rotation is to enhance the experience and education of the fellow on the medical knowledge and clinical skills that will enable the fellow to appropriately order, perform, and interpret diagnostic studies to aid in the treatment of medical complications of pregnancy and pregnancy specific conditions. The major **goals** of this rotation are to diagnose and manage medical complications of pregnancy as well as pregnancy-specific conditions.

- a. Renal diseases
- b. Cardiovascular diseases
- c. Hematologic disorders
- d. Liver diseases
- e. Gastrointestinal disorders
- f. Neuropsychiatric disorders
- g. Pulmonary disease
- h. Autoimmune disease
- i. Gynecologic diseases
- j. Neoplasms
- k. Substance abuse disorders
- l. Dermatologic disorders

- m. Non-obstetric surgery
- n. Obstetric Complications
 - 1. Bleeding
 - 2. Hypertensive Disorders
 - 3. PPRM
 - 4. Preterm labor

2. Learning Objectives: Upon completion of the rotation

PGY5

A. Medical Knowledge: Upon completion of this rotation, fellows will:

- a. Discuss and understand diagnostic tests, their indications and their test characteristics as related to the medical conditions listed above.
- b. Discuss and understand *basic* management for each of the medical complications and pregnancy specific conditions above and described in greater detail on ABOG Guide to Learning, pages 15-24.

B. Patient Care:

- a. Perform and/or interpret the diagnostic tests for medical complications of pregnancy and pregnancy-specific conditions.
- b. Counsel patients on management and medical interventions for medical complications of pregnancy and pregnancy-specific conditions, specifically:
 - i. Cite published effectiveness rates for any interventions
 - ii. Explain frequency and types of side effects of all interventions
 - iii. Discuss long-term continuation and compliance rates
 - iv. Evaluate the level of evidence for success and complication rates
 - v. List costs of treatment regimens
 - vi. Interpret diagnostic tests and demonstrate knowledge of the following for each test:
 - vii. Standard terminology, normal values, and test reliability

C. Practice-based Learning:

- a. Demonstrate ability to perform self-assessment and incorporate feedback into improving clinical practice
- b. Critically analyze and understand the appropriate use of the diagnostic studies and clinical management plans formulated and identify areas for improvement
- c. Use information technology to locate scientific studies from literature on the various diagnostic tests and management strategies for medical complications of pregnancy and pregnancy-specific conditions and apply these to improve practice and patient care

D. Interpersonal and Communication Skills:

- a. Demonstrate ability to communicate test results to patients and families
- b. Use effective listening skills to elicit and then provide information to patients and families
- c. Work effectively, interact, and communicate appropriately with referring providers.

E. Professionalism: Fellows are expected to:

- a. Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population

- b. Demonstrate respect, compassion, and integrity in interactions with patients, families, and other health care professionals
- c. Demonstrate sensitivity and responsiveness to patient's culture, age, gender, and disabilities

F. Systems-Based Practice:

- a. Practice cost-effective healthcare and demonstrate knowledge of resource allocation that does not compromise quality of care, especially in the use of diagnostic tests
- b. Coordinate patient care among different health care providers, including medical students, residents, nurse practitioners, certified midwives and referring family medicine and general obstetrics and gynecology physicians.

PGY6 objectives

A. Medical Knowledge:

- a. Discuss and understand diagnostic tests, their indications and their test characteristics as related to the medical conditions listed above. *To describe and understand the limitations of the diagnostic tests utilized.*
- b. Discuss and understand standard management for each of the medical complications and pregnancy specific conditions above and described in greater detail on ABOG Guide to Learning, pages 15-24. *Describe treatment alternatives and the strengths and limitations of each management choice.*

B. Patient Care and Procedural Skills

- a. Perform and/or interpret the diagnostic tests for medical complications of pregnancy and pregnancy-specific conditions.
- b. Counsel patients on management and medical interventions for medical complications of pregnancy and pregnancy-specific conditions, specifically:
 - i. Cite published effectiveness rates for any interventions
 - ii. Explain frequency and types of side effects of all interventions
 - iii. Discuss long-term continuation and compliance rates
 - iv. Evaluate the level of evidence for success and complication rates
 - v. List costs of treatment regimens
 - vi. Interpret diagnostic tests and demonstrate knowledge of the following for each test:
 - vii. Standard terminology, normal values, and test reliability

C. Practice-based Learning:

- 1. Demonstrate ability to perform self-assessment and incorporate feedback into improving clinical practice
- 2. Critically analyze and understand the appropriate use of the diagnostic studies and clinical management plans formulated and identify areas for improvement
- 3. Use information technology to locate scientific studies from literature on the various diagnostic tests and management strategies for medical complications of pregnancy and pregnancy-specific conditions and apply these to improve practice and patient care

D. Interpersonal and Communication Skills: Fellows are expected to:

- 1. Demonstrate ability to communicate test results to patients and families

2. Use effective listening skills to elicit and then provide information to patients and families
3. Work effectively, interact, and communicate appropriately with referring providers.

E. Professionalism: Fellows are expected to:

1. Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population
2. Demonstrate respect, compassion, and integrity in interactions with patients, families, and other health care professionals
3. Demonstrate sensitivity and responsiveness to patient's culture, age, gender, and disabilities

F. Systems-Based Practice: Fellows are expected to:

1. Practice cost-effective healthcare and demonstrate knowledge of resource allocation that does not compromise quality of care, especially in the use of diagnostic tests
2. Coordinate patient care among different health care providers, including medical students, residents, nurse practitioners, certified midwives and referring family medicine and general obstetrics and gynecology physicians. Organize care planning conferences for complex surgical cases such as invasive placentation as well as for patients with multiple medical co-morbidities.

PGY7 Objectives

A. Medical Knowledge:

- a. Discuss and understand diagnostic tests, their indications and their test characteristics as related to the medical conditions listed above. *To describe and understand the limitations of the diagnostic tests utilized*
- b. Discuss and understand standard and alternative management for each of the medical complications and pregnancy specific conditions above and described in greater detail on ABOG Guide to Learning, pages 15-24. *Describe treatment alternatives and the strengths and limitations of each management choice.*
- c. *To describe and understand management of patients with multiple complex medical co-morbidities.*

B. Patient Care:

- a. Perform and/or interpret the diagnostic tests for complex medical complications of pregnancy and pregnancy-specific conditions.
- b. Counsel patients on management and medical interventions for medical complications of pregnancy and pregnancy-specific conditions, specifically:
 - i. Cite published effectiveness rates for any interventions
 - ii. Explain frequency and types of side effects of all interventions
 - iii. Discuss long-term continuation and compliance rates
 - iv. Evaluate the level of evidence for success and complication rates
 - v. List costs of treatment regimens
 - vi. Interpret diagnostic tests and demonstrate knowledge of the following for each test:
 - vii. Standard terminology, normal values, and test reliability

C. Practice-based Learning:

- a. Demonstrate ability to perform self-assessment and incorporate feedback into improving clinical practice
- b. Critically analyze and understand the appropriate use of the diagnostic studies and clinical management plans formulated and identify areas for improvement
- c. Use information technology to locate scientific studies from literature on the various diagnostic tests and management strategies for medical complications of pregnancy and pregnancy-specific conditions and apply these to improve practice and patient care

D. Interpersonal and Communication Skills:

- a. Demonstrate ability to communicate test results to patients and families
- b. Use effective listening skills to elicit and then provide information to patients and families
- c. Work effectively, interact, and communicate appropriately with referring providers.

E. Professionalism: Fellows are expected to:

- a. Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population
- b. Demonstrate respect, compassion, and integrity in interactions with patients, families, and other health care professionals
- c. Demonstrate sensitivity and responsiveness to patient's culture, age, gender, and disabilities

F. Systems-Based Practice:

- a. Practice cost-effective healthcare and demonstrate knowledge of resource allocation that does not compromise quality of care, especially in the use of diagnostic tests
- b. Coordinate patient care among different health care providers, including medical students, residents, nurse practitioners, certified midwives and referring family medicine and general obstetrics and gynecology physicians.
- c. Organize care planning conferences for complex surgical cases such as invasive placentation as well as for patients with multiple medical co-morbidities.
- d. By the end of the PGY7 rotations the fellow should be competent to serve as an independent consultant and MFM subspecialist.