Reproductive Endocrinology  
Level: PGY-2

Service: Reproductive Endocrinology with the Heartland Center  
Length of Rotation: 3 months

Supervision: HOII  →  REI Attending  
The resident will work directly with the two attending physicians at Heartland Reproductive Medicine.

Educational Activities:
1) Recommended Reading  

2) Conferences  
a) Wednesday Education Conferences  
b) REI Journal Club with presentation of two articles to staff at HCRM to be completed during each rotation

Typical call assignment:  
This resident will be assigned in house call at Nebraska Medicine or Methodist Women’s Hospital 2 or 3 times per month on the weekends.

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Competency Based Educational Goals and Objectives

Patient Care

Goal: Be able to manage patients with symptomatic leiomyoma.  
Objectives: The resident will demonstrate the ability to:  
1) Evaluate patients with symptoms consistent with leiomyoma.  
2) Counsel patients regarding the management options for leiomyoma.  
3) Perform open myomectomy and assist with laparoscopic myomectomy including da Vinci assisted

Goal: Be able to evaluate patients with primary infertility
Objectives: The resident will be able to:
1) Obtain a complete history from a couple with concerns about fertility.  
2) Complete a physical examination on the female partner.  
3) Obtain appropriate laboratory studies in the infertile couple.  
4) Order, perform and interpret hysterosalpingograms as indicated.

Goal: Competently manage patients undergoing hysteroscopic evaluations and procedures.
Objectives: The resident will demonstrate the ability to:
1) Evaluate patients with symptoms of intrauterine abnormalities.  
2) Counsel patients regarding the risks and potential benefits of hysteroscopy.  
3) Perform diagnostic and operative hysteroscopy.

Goal: Competently manage patients undergoing laparoscopic procedures.
Objectives: The resident will demonstrate the ability to:
1) Evaluate patients with symptoms of pelvic pain.  
2) Evaluate patients with symptoms of endometriosis.  
3) Evaluate patients with symptoms of infertility.  
4) Counsel patients regarding the risks and potential benefits of laparoscopic surgery.  
5) Perform diagnostic and operative laparoscopy.

Goal: Manage or assist in the management of patients requiring ovulation induction.
Objectives: The resident will demonstrate the ability to:
1) Evaluate patients for abnormalities in ovulation.  
2) Initiate ovulation induction.  
3) Determine the efficacy of ovulation induction agents using ultrasound.

Goal: Manage patients with ectopic pregnancy.
Objectives: The resident will demonstrate the ability to:
1) Evaluate patients with abnormally rising hCG levels.
2) Utilize ultrasound to assist in the diagnosis of an ectopic pregnancy.
3) Medically manage ectopic pregnancy.
4) Know the criteria for surgical and medical management of ectopic pregnancies.

**Goal:** Manage patients with endocrinopathies.

**Objectives:** The resident will demonstrate the ability to:
1) Evaluate and treat hirsutism.
2) Evaluate and treat primary and secondary amenorrhea.
3) Evaluate and treat abnormal uterine bleeding.
4) Evaluate and treat hyperprolactinemia.
5) Evaluate and treat menopause.

**Goal:** Utilize ultrasound appropriately in the evaluation and management of patients with infertility.

**Objectives:** The resident will be able to:
1) Evaluate patients with transvaginal ultrasound for follicular development.
2) Evaluate patients with transvaginal ultrasound for identification of pelvic structures.
3) Evaluate patients with transvaginal ultrasound of the assessment of first trimester pregnancy.

**Medical Knowledge**

**Goal:** Understand the etiologies of infertility.

**Objectives:** The resident will be able to discuss:
1) The common etiologies of primary female infertility.
2) The common etiologies of primary male infertility.
3) The common etiologies of secondary female infertility.
4) The common etiologies of secondary male infertility.

**Goal:** Understand the etiology and pathophysiology of endocrinopathies.

**Objectives:** The resident will demonstrate the ability to discuss the etiologies and pathophysiology of:
1) Hirsutism.
2) Primary and secondary amenorrhea.
3) Abnormal uterine bleeding.
4) Hyperprolactinemia.
5) Menopause.
6) Recurrent pregnancy loss
7) Uterine anomalies
8) Abnormal semen analysis

**Goal:** Understand the process of artificial insemination.

**Objectives:** The resident will be able to discuss:
1) The appropriate technique for artificial insemination.
2) The risks of artificial insemination.

**Interpersonal and Communication Skills**

**Goal:** The resident will communicate in a professional manner with the reproductive endocrine service at Nebraska Medicine.

**Objectives:** The resident will demonstrate the ability to communicate effectively by:
1) Providing appropriate check out when handing patients to another team member.
2) Requesting consults from other services with appropriate information.
3) Entering operative reports accurately and in a timely fashion.
4) Entering discharge summaries accurately and in a timely fashion.

**Goal:** The resident will communicate in a compassionate fashion to effectively exchange information to patients.

**Objective:** The resident will demonstrate ability to prepare and counsel a patient for ART.

**Professionalism**

**Goal:** Maintain patient confidentiality

**Objectives:** The resident will demonstrate:
1) Knowledge regarding regulations regarding patient confidentiality in the HIPAA
2) The ability to protect health-related patient information to comply with HIPAA
3) List and be aware of sites on labor and delivery where loss of privacy for the patient may
occur.

**Goal:** Maintain appropriate professional relationships.

**Objectives:** The resident will demonstrate professional interactions with:
1) Medical students.
2) Nursing and support staff.
3) Supervising faculty.
4) Consulting residents.
5) Physician peers.
6) Use of social media, email, and other communication platforms.

**Practice-Based Learning and Improvement**

**Goal:** Identify personal and practice improvement strategies for inpatient and surgical gynecologic care.

**Objectives:** The resident will demonstrate:
1) Receptiveness to faculty and supervising resident instruction and feedback.
2) Ability to use medical information with the ability to access information through traditional and online sources to support their educational experience.

**Systems-Based Practice**

**Goal:** Provide safe patient care at Nebraska Medicine, Methodist Women’s Hospital, Lakeside Hospital, and Heartland Center for Reproductive Medicine.

**Objectives:** The resident will:
1) Comply with Crew Resource Management concepts as required by the hospital.
2) Follow recommended protocols in labor and delivery for patient safety.
3) Demonstrate compliance with policies for surgical site identification.
4) Demonstrate compliance with policies for patient identification.

**Duties and Responsibilities:**
1) Service as resident on reproductive endocrine service.
2) Appropriate, professional supervision of student teaching in light of educational goals.
3) Attend continuity clinics as assigned.
4) Participate in surgical procedures on RE patients.
5) Evaluate and manage patients in the infertility clinic as directed.
6) Attend Wednesday morning educational conferences.
7) Attend other conferences as listed.
8) Take weekend call at UNMC and Methodist Women’s Hospital as assigned.

**Evaluation:**
1) Global evaluation will be performed by the Reproductive Endocrine physicians at the completion of the rotation.
2) Surgical skills evaluations should be completed by the resident and faculty using the My TIP Report system. The resident should obtain evaluations for most procedures.
3) For REI evaluations of the following should be completed by the rotation: Diagnostic/operative laparoscopy, Hysterosalpingogram or sonohysterography, Myomectomy, Transvaginal ultrasound, Operative hysterectomy.
4) At the conclusion of the resident’s service period he/she should complete an evaluation form assessing the quality of the rotation; he/she should also address the teaching undertaken by the attending physician.