University Obstetrics
Level: PGY-1

Service: University Obstetrics
Length of Rotation: 6 Months

Supervision: PGY-1 OB Supervising Resident → Obstetric Attending
All management decisions will be discussed with the supervising resident and faculty. An attending physician will round daily with the residents and students. Attending coverage for Labor and Delivery/Postpartum and Antenatal Services are assigned as the OB Rounder for the day. MFM attending for the day is also designated for MFM patients. Outpatient OB care is provided as a part of the continuity clinics, and supervised by the assigned Gyn Rounder.

Educational Activities:
1) Recommended Reading
   c) Medical Ultrasound Safety American Institute of Ultrasound in Medicine, 3rd Edition 2014.
      i) Part One: Bioeffects and Biophysics
      ii) Part Two: Prudent Use
      iii) Part Three: Implementing ALARA
   f) ACOG Obstetrics Educational Bulletins
   g) ACOG Precis – Obstetrics
      Either Gabbe or Williams should be read in its entirety during the first year.

2) Conferences
   a) Daily teaching rounds.
   b) Wednesday educational conferences.
   c) Diagnostics in Obstetrics and Gynecology on Fridays at 0700.

3) Neonatal Resuscitation course will be taken for certification during orientation as HOI’s and will be repeated as necessary to maintain certification during residency training.

Typical Weekly Assignment:
Rounds start at 7 am M-F, 8 am S-S
This is a two week rotation block, with the two OBG interns on service alternating weeks.

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rounds</td>
<td>Rounds</td>
<td>Rounds</td>
<td>Rounds</td>
<td>Rounds</td>
<td>Diagnostics</td>
<td>OFF</td>
</tr>
<tr>
<td>am</td>
<td></td>
<td></td>
<td>OFF</td>
<td>Lactation/Transgender Clinic</td>
<td>PDC</td>
<td></td>
</tr>
<tr>
<td>pm</td>
<td>8p-8a</td>
<td>5p-8a</td>
<td>5p-8a</td>
<td>OFF</td>
<td>DEM 1-5p</td>
<td>PDC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>Rounds</td>
<td>Rounds</td>
<td>Rounds</td>
<td>Rounds</td>
<td>Diagnostics</td>
<td></td>
</tr>
<tr>
<td>am</td>
<td>L&amp;D 6a-6p</td>
<td>L&amp;D 6a-6p</td>
<td>Cont Clinic</td>
<td>L&amp;D 6a-6p</td>
<td>L&amp;D6a-6p</td>
<td></td>
</tr>
<tr>
<td>pm</td>
<td>L&amp;D</td>
<td>L&amp;D</td>
<td>Education</td>
<td>L&amp;D</td>
<td>L&amp;D</td>
<td>5p-9a</td>
</tr>
</tbody>
</table>

Competency Based Educational Goals and Objectives
Patient Care
Goal: Have basic surgical skills in the performance of obstetric procedures.
Objectives: The resident will be able to:
1) Demonstrate appropriate knot tying techniques.
2) Demonstrate knowledge of appropriate surgical instruments, identifying them by name and function.
3) Demonstrate the ability to open and close the abdomen at the time of cesarean delivery.
4) Demonstrate the ability to open and close an infraumbilical incision for postpartum tubal ligation.
5) Demonstrate the ability to perform a postpartum tubal sterilization.
6) Demonstrate the ability to perform a primary cesarean section with supervision and assistance.
7) Demonstrates the ability to appropriately and safely position patients for operative procedures.
8) Demonstrate the ability to perform dilation and uterine curettage for completion of a spontaneous abortion with an understanding of vacuum and sharp curettage and the risks of the procedure.
9) Perform elective neonatal circumcisions.

Goal: Perform vaginal deliveries competently.

Objectives: The resident will be able to:
1) Demonstrate the ability to conduct a normal vaginal delivery with minimal faculty input
2) Demonstrate the ability to repair a first or second degree perineal laceration or the repair of an episiotomy with minimal faculty input.

Goal: Manage uncomplicated labor patients with supervision.

Objectives: The resident will be able to:
1) Evaluate/triage patients presenting to labor and delivery and determine if admission for labor is appropriate.
2) Demonstrate the ability to apply internal fetal and uterine monitors.
3) Demonstrate the ability to manage normal labor at term with recognition of the onset of active labor.
4) Demonstrate the ability to appropriately manage common labor abnormalities.
5) Demonstrate the ability to interpret fetal heart rate tracings to determine when interventions may be indicated.
6) Demonstrate the ability to manage labor induction with cervical ripening.
7) Demonstrate the ability to use oxytocin appropriately.
8) Perform intrauterine resuscitation
9) Communicate effectively with RN staff caring for laboring patients.

Goal: Provide routine inpatient postpartum care.

Objectives: The resident will demonstrate the ability to:
1) Manage routine postpartum care.
2) Perform routine postoperative care for patients after postpartum tubal ligation.
3) Perform routine postoperative care for patients after cesarean section.
4) Determine indications for DVT prophylaxis and provide when indicated.
5) Manage postpartum hemorrhage with supervision.
6) Assess common postpartum/postoperative complications and develop appropriate management plans.
7) Provide/educate patients on appropriate contraceptive options
8) Counsel and provide immunizations when indicated.

Goal: Manage induced abortions and delivery/evacuation of demised fetus.

Objective: The resident will demonstrate the ability to:
1) Provide compassionate care to women presenting for induced abortion under institutional guidelines (resident may opt out of participation if they have a moral or religious objection)
2) Manage labor induction with cervical ripening agents and/or oxytocin as indicated.

Goal: Manage routine obstetrical care in the outpatient setting.

Objectives: The resident will demonstrate the ability to:
1) Manage routine prenatal care including routine screening.
2) Counsel patients on options for screening including first trimester aneuploidy screening, CF screening, quad screen, neural tube defect screening (AFP), and other genetic screening for high risk patients.
3) Perform early pregnancy assessment.
4) Appropriately utilize ultrasound in pregnancy.
5) Appropriately utilize antenatal testing.
6) Assess patients at risk of complications of pregnancy and develop appropriate management plans with input from faculty.

Goal: Understand the rationale for routine prenatal testing.

Objectives: The resident will demonstrate appropriate ordering of the following laboratory studies:

1) Routine prenatal laboratory studies
2) Screening for fetal malformations/genetic disorders.
3) Ultrasound for fetal assessment.
4) Diabetic screening.
5) Screening for an administration of Rhogam.

Goal: Be able to recognize and manage common pregnancy complications in the ambulatory setting.

Objectives: The resident will be able to appropriately assess and outline a plan of the management for:

1) Nausea and vomiting in pregnancy.
2) Vaginal bleeding in pregnancy.
3) Vaginitis in pregnancy.
4) Common gastrointestinal diseases in pregnancy (heartburn, cholelithiasis, constipation),
5) Anemia in pregnancy.
6) Preeclampsia and hypertension in pregnancy.
7) Postpartum contraception.
8) Breastfeeding.
9) Maternal obesity.

Goal: Be able to perform basic fetal assessment with ultrasonography.

Objectives: The resident will demonstrate the ability to:

1) Conduct and interpret fetal monitoring for nonstress testing.
2) Perform ultrasound to document an amniotic fluid index.
3) Perform ultrasound assessment for biophysical profile.
4) Demonstrate the ability to document basic fetal biometry for dating and estimated fetal weight.

Goal: Evaluate and manage patients with gestational diabetes including diet and medical management.

Objectives: The resident will demonstrate the ability to:

1) Diagnose gestational diabetes
2) Interpret patient records and laboratory values to determine adequacy of glycemic control
3) Initiate medical therapy as indicated
4) Determine the adequacy of oral medication in the pregnant patient
5) Determine the adequacy of insulin regimens in the pregnant patient

Medical Knowledge

Goal: Understand fetal and maternal monitoring used in Labor and Delivery.

Objectives: The resident will demonstrate knowledge of the following:

1) Physiologic responses of the fetal heart rate in the antepartum and intrapartum periods.
2) Ability to interpret normal and abnormal patterns of fetal heart rate.
3) Ability to interpret normal and abnormal patterns of maternal uterine contractions.
4) The indications for invasive monitoring in labor.
5) The limitations for fetal heart rate monitoring.
6) Ability to manage abnormal fetal heart rate tracings.

Goal: Understand the use of instrumental and cesarean deliveries.

Objectives: The resident will know and be able to discuss the following:

1) Indications for vaginal delivery with forceps.
2) Contraindications for vaginal delivery with forceps.
3) Indications for vaginal delivery with vacuum extractor.
4) Contraindications for vaginal delivery with vacuum extractor.
5) Indications for operative abdominal delivery.
6) Contraindications for operative abdominal delivery

Goal: Understand the risks associated with the postpartum period.
Objectives: The resident will know and be able to discuss the following postpartum complications:
1) Postpartum hemorrhage, acute and subacute.
2) Postpartum sepsis.
3) Postoperative wound complications.
4) Postpartum DVT/PE.
5) Resolution of maternal changes of pregnancy placing patients at risk for complications (cardiac events, chronic hypertension, diabetes, asthma, deep venous thrombosis).

Goal: Understand physiology of cervical ripening and labor induction.
Objectives: The resident will demonstrate understanding of the following:
1) Agents used for cervical ripening.
2) Contraindications to cervical ripening agents.
3) Risks associated with oxytocin administration.
4) Available mechanical dilators, indications and contraindications.

Goal: Identify and initiate treatment for postpartum hemorrhage (PPH).
Objectives: The resident will demonstrate knowledge of:
1) Etiology of postpartum hemorrhage.
2) Agents used to treat postpartum hemorrhage.
3) Risk factors for postpartum hemorrhage.
4) Contraindications for use of agents to treat postpartum hemorrhage.

Goal: Understand the rationale for prenatal testing.
Objectives: The resident will demonstrate appropriate ordering of the following laboratory studies:
1) Routine prenatal laboratory studies.
2) Screening for fetal malformations/aneuploidy.
3) Ultrasound for fetal assessment.
4) Diabetic screening.
5) Screening for an administration of Rhogam.

Goal: Be able to recognize and manage common pregnancy complications in the ambulatory setting.
Objectives: The resident will be able to outline a plan of the management for:
1) Nausea and vomiting in pregnancy.
2) Vaginal bleeding in pregnancy.
3) Vaginitis in pregnancy.
4) Common gastrointestinal diseases in pregnancy (i.e. heartburn).
5) Anemia in pregnancy.
6) Initial therapy for a positive diabetic screen in pregnancy.
7) Preeclampsia and hypertension in pregnancy.
8) Postpartum contraception.
9) Breastfeeding.

Goal: Demonstrate knowledge of the indications for prenatal assessment.
Objectives: The resident will be able to discuss:
1) Indications for prenatal ultrasound.
2) Indications for genetic counseling in the prenatal period.
3) Indications for antenatal surveillance.
4) Indications for maternal marker screening and first trimester screening for aneuploidy.

Goal: Demonstrate knowledge regarding ultrasound safety and documentation.
Objectives: The residents will be able to discuss:
1) Basic ultrasound physics.
2) Documentation requirements by AIUM for each trimester.

Goal: Understand the maternal physiologic changes that result in abnormal glycemic control.
Objectives: The resident will be able to discuss:
1) Common risk factors for gestational diabetes.
2) Maternal hormonal influences that alter glycemic control.

Interpersonal and Communication Skills
Goal: Counsel patients and obtain informed consent for obstetrical procedures.
Objectives: The resident will demonstrate the ability to obtain informed consent, outlining the risks and benefits of the following procedures:
1) Vaginal delivery
2) Trial of labor after cesarean
3) Postpartum tubal ligation.
4) Primary cesarean delivery.
5) Repeat cesarean delivery.
6) Operative vaginal delivery.
7) Consent for transfusion.

**Goal:** Communicate effectively to discharge patients after delivery.

**Objectives:** The resident will demonstrate the ability to instruct patients regarding:
1) Discharge instructions after vaginal delivery.
2) Discharge instructions after cesarean delivery.
3) Discharge instructions after tubal ligation.
4) Discharge instructions after pregnancy loss/D&C.
5) Use of postpartum contraception/initiation of desired contraception.

**Goal:** Communicate effectively as a member of the healthcare team.

**Objectives:** The resident will demonstrate the ability to communicate effectively by:
1) Completing accurate and timely hand offs at service transitions.
2) Requesting consults from other services with appropriate information.
3) Entering operative reports into the EMR immediately after procedures.
4) Entering discharge summaries into the EMR within 24 hours of discharge.

**Goal:** Obtain informed consent for neonatal circumcision.

**Objective:** The resident will demonstrate the ability to appropriately counsel parents regarding the risks of newborn circumcision.

**Goal:** Counsel patients and obtain informed consent for obstetric screening.

**Objectives:** The resident will be able to obtain informed consent, outlining the risks and benefits of the following studies:
1) HIV screening.
2) Cystic fibrosis screening.
3) First and second trimester screening for aneuploidy.
4) Gestational diabetes.

**Goal:** Counsel patients about 1st trimester pregnancy loss

**Objectives:** The resident will be able to do the following:
1) Discuss etiology/incidence of pregnancy loss with patients
2) Counsel patients on options for management of 1st trimester pregnancy loss
3) Counsel patients regarding future pregnancy and need for additional testing if indicated.

**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 in labor and delivery.

**Objectives:** The resident will demonstrate:
1) Receptiveness to faculty 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.

**Goal:** Use medical evidence to evaluate labor and delivery practices.

**Objectives:** The resident will demonstrate the ability to:
1) Evaluate literature associated with labor and delivery care.

**Systems-Based Practice**

**Goal:** Provide safe patient care in labor and delivery.

**Objectives:** The resident will:
1. Attend Crew Resource Management courses as required by the hospital.
2. Follow recommended protocols in labor and delivery for patient safety.
3. Demonstrate compliance with Nebraska Medicine policy for surgical site identification.
4. Demonstrate compliance with Nebraska Medicine policy for patient identification.
5. Participate in obstetrical simulations and drills.
6. Correctly perform “time outs” prior to procedures.

**Goal:** Discharge patients with appropriate follow up.

**Objectives:** The resident will demonstrate the ability to:
1. Refer patients appropriately to home health services.
2. Refer patients appropriately for psychiatric services.
3. Refer patients appropriately for social services.

**Newborn Medicine and Lactation**

**Supervision:** PGY-1 → Lactation Consultant

The PGY-1 will work with the inpatient Lactation Consultant on Thursday mornings. The resident is responsible for identifying who and where to meet each Thursday.

**Competency Based Educational Goals and Objectives**

**Patient Care**

**Goal:** Understand newborn adaptation and common complications.

**Objectives:** The resident will:
1. Demonstrate the ability to initiate the assessment of the term newborn.
2. Be able to discuss common complications of the newborn period.

**Goal:** Be able to initiate resuscitation of the newborn infant.

**Objective:** The resident will obtain NRP certification.

**Medical Knowledge**

**Goal:** Be able to be an informed breastfeeding advocate for patients and their families.

**Objectives:** The resident will:
1. Demonstrate knowledge of the benefits of breastfeeding.
2. Demonstrate knowledge of the contraindications of breastfeeding.
3. Demonstrate knowledge of newborn care/counseling.

**Interpersonal and Communication Skills**

**Goal:** Communicate effectively as a part of the health care team.

**Objectives:** The resident will demonstrate the ability to:
1. Complete patient encounter records in a timely fashion.
2. Communicate effectively with the attending in clinic regarding the evaluation and plan of management for each patient.
3. Provide appropriate correspondence with referring physicians.

**Professionalism**

**Goal:** Demonstrate a commitment to maintaining skills in neonatal resuscitation.

**Objectives:** The resident will:
1. Complete NRP training and obtain certification in their first year of training.
2. Maintain this certification throughout residency training.

**Goal:** Apply professional behaviors to the hospital setting.

**Objectives:** The resident will demonstrate professional behavior on the lactation service by:
1. Maintaining a professional attitude with the nursing and ancillary staff.
2. Evaluating assigned patients/newborns in a timely fashion
3. Being prompt to rounds each morning.
**Goal:** Maintain ethical principles in regard to patient information.

**Objectives:** The resident will demonstrate appropriate patient confidentiality by:
1) Abiding by HIPPA regulations.
2) Not discussing patient information outside of appropriate places.

**Goal:** Be committed to professional development and growth.

**Objective:** The resident will demonstrate a commitment to their education by being prepared for and participating in morning teaching rounds.

**Practice-Based Learning and Improvement**

**Goal:** Identify personal and practice improvement strategies on newborn rounds.

**Objectives:** The resident will demonstrate:
1) Receptiveness to faculty 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:** Understand the community resources for patients with newborns.

**Objectives:** The resident will be able to describe:
1) Community nursing resources for new mothers and their babies.
2) Community resources for breastfeeding mothers.

**Goal:** Understand newborn metabolic and hearing screening requirements.

**Objectives:** The resident will:
1) Demonstrate knowledge of the Nebraska state newborn screening program.
2) Demonstrate the ability to counsel parents regarding the state newborn screening program.

**Duties/Responsibilities:**
1) Serve as PGY-1 on the obstetrical service.
2) Appropriate, professional supervision of student teaching in light of educational goals.
3) Attend assigned continuity clinic and ultrasound clinics.
4) Attend teaching rounds on the obstetrical service daily.
5) Perform initial evaluation of patients presenting to Labor and Delivery and present these patients to the Chief resident or attending physician, including completing the history and physical sheet.
6) Manage laboring patients and perform deliveries with supervision.
7) Assist with consultations to the Obstetrical service as assigned by the Chief resident.
8) Round on postpartum service patient’s daily (M-F), present patients to the Chief resident and attending at morning rounds.
9) Perform newborn circumcisions with supervision on neonates after Pediatrics evaluation.
10) Attend Wednesday educational conferences.
11) Attend other conferences as listed.
12) Prepare and present Diagnostics conference as assigned.
13) Take night call as assigned.

**Evaluation:**
1) Global evaluation will be performed by the Obstetric physicians at the completion of the rotation.
2) Surgical skills evaluations should be completed by the resident and faculty using the MyTIP Report system. The resident should obtain evaluations for most procedures.
3) For Obstetrics at the first year level the following procedures should be evaluated with On Demand evaluations: Vaginal delivery, Perineal laceration/Episiotomy repair, Circumcision, Primary section, Postpartum tubal
4) Residents must complete OB ultrasound skills assessment with Dr. Berg.
5) 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.