**Family Medicine Residency**

**Procedure Curriculum**

Elly Riley, DO

---

**Rotation Goal**

After completing the longitudinal and block procedural curriculum, the resident will be competent to independently perform core procedures. Also during residency training, the resident will identify specific procedures that he/she plans to incorporate into private practice. After identifying these procedures, the resident will seek additional training to achieve competence.

**Supervision**

Residents will be supervised by attendings and upper-level residents who are competent to perform the specific procedure.

**Rotation Objectives**

By the end of the Procedure Curriculum, PGY II residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

<table>
<thead>
<tr>
<th>Competency</th>
<th>Required Skill(s)</th>
<th>Teaching Method(s)</th>
<th>Formative Evaluation Method(s)</th>
<th>Frequency of Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPECIALTY SPECIFIC OBJECTIVES</strong></td>
<td>Perform a history and physical examination and identify the need for a diagnostic or therapeutic procedure</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics</td>
<td>Direct Observation Global Evaluation</td>
<td>Daily Monthly</td>
</tr>
<tr>
<td></td>
<td>Adequately and compassionately communicate the risks, benefits, and indications for a procedure and obtain consent</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics</td>
<td>Direct Observation Global Evaluation</td>
<td>Daily Monthly</td>
</tr>
<tr>
<td></td>
<td>Develop skills that allow for competent performance of necessary procedures</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics</td>
<td>Direct Observation Global Evaluation</td>
<td>Daily Monthly</td>
</tr>
<tr>
<td></td>
<td>Seek specialty consultation when appropriate</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics</td>
<td>Direct Observation Global Evaluation</td>
<td>Daily Monthly</td>
</tr>
<tr>
<td></td>
<td>Coordinate care with the patient, his/her family and consultants</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics</td>
<td>Direct Observation Global Evaluation</td>
<td>Daily Monthly</td>
</tr>
<tr>
<td></td>
<td>Establish a reasonable method of follow-up if necessary</td>
<td>NICU Grand Rounds</td>
<td>Direct Feedback</td>
<td>Daily</td>
</tr>
</tbody>
</table>
Under direct supervision, perform the following procedures necessary for the treatment of family medicine patients:

- Advanced cardiac life support
- Admission to cardiac monitor/telemetry (10)
- Admission to intensive care unit (15)
- Medical Resuscitation (10)
- X-Ray Interpretation (10)
- Casting and splinting (5)
- Circumcision (neonatal) (10)
- Electrocardiogram interpretation (25)
- Endometrial biopsy (1)
- Fracture management simple non-displaced (5)
- Foreign body removal (1)
- Laceration repair (5)
- Lumbar puncture adult (3)
- Lumbar puncture pediatric (3)
- I&D abscess or cyst (3)
- Intrauterine device placement and removal (3)
- Joint aspiration and injection (1)
- Nasogastric intubation (1)
- Pap smear (1)
- Pediatric Advanced Life Support
- Neonatal Advanced Life Support
- Regional anesthetic block (1)
- Skin biopsy (1)
- Soft issue injections (1)
- Uncomplicated joint reduction (3)
- Wound debridement (2)
Under direct supervision, perform the following procedures relevant to the treatment of OB patients:

- Advanced Life Support of Obstetrics
- Antepartum, intrapartum, postpartum mgmnt (10)
- Spontaneous vaginal delivery (35)
- Amniotomy (1)
- Management of labor with meconium (1)
- Episiotomy/2nd degree laceration repair (3)
- Repair uncomplicated vaginal/cervical lacerations (3)
- Internal and external fetal monitoring (5)
- Intrauterine pressure monitoring (3)
- Medical problems during pregnancy without significant obstetrical impact (3)
- Assist at cesarean section (5)
- Cervical ripening (3)
- Augmentation of labor (oxytocin) (3)
- Limited obstetrical ultrasound (10)
- Amnioinfusion (3)
- Application of fetal scalp electrode (3)

Under direct supervision, perform the following elective procedures including:

**Cardiology**
- Exercise stress testing (50)
- Holter monitor interpretation (20)

**Endoscopy**
- Sigmoidoscopy (25)
- Upper endoscopy (25)
- Colonoscopy (50)
- Nasolaryngoscopy (10)

**Obstetrics**
- Fourth degree laceration repair (1)
- C-section (50)
- Dilation and curettage (fetal loss <12 weeks) (3)
- Vacuum Extraction (10)
- VBAC (1)
<table>
<thead>
<tr>
<th>Medical Knowledge</th>
<th>SPECIALTY SPECIFIC OBJECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Manual exploration of uterus/extraction of placenta (1)
- Management of intrauterine fetal demise (1)
- Repair of third degree lacerations (2)

**Gynecology and Reproductive medicine**
- Colposcopy with biopsies (25)
- Colposcopy with LEEP (3)
- Vasectomy (3)
- Fine needle aspiration (breast) (1)

**Pediatrics**
- Insertion of umbilical catheter (1)

**Psychiatry**
- Mental Health Evaluation (10)

**Surgery**
- Advance Trauma Life Support
- Chest tube insertion and management (3)
- Incision of thrombosed hemorrhoid (1)
- Assist at surgery (5)

**Other**
- Bone marrow biopsy in adults (1)
- Diagnostic paracentesis (1)
- Diagnostic thoracocentesis (1)
- Paracentesis (3)
- Thoracocentesis (3)
- Central venous access (10)
- Intubation (5)
- Procedural Sedation (5)
- Eye Exam for Foreign Body (1)
- Trauma Resuscitation (5)
- Medical Resuscitation (10)
- X-ray Interpretation (10)
- Anterior nasal packing (1)
- Arterial puncture (1)
- Osteopathic Manipulative Therapy
<table>
<thead>
<tr>
<th>Practice Based Learning and Improvement</th>
<th><strong>SPECIALTY SPECIFIC OBJECTIVES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify strengths, deficiencies and limits in one’s knowledge and expertise; set learning and improvement goals; and identify and perform appropriate learning activities</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics Direct Observation Global Evaluation Daily Monthly</td>
</tr>
<tr>
<td>Utilize evidence based resources in the care of all patients</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics Direct Observation Global Evaluation Daily Monthly</td>
</tr>
<tr>
<td>Participate in the education of patients, families, students, residents and other health professionals, as documented by evaluations of a resident’s teaching abilities by faculty and/or learners</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics Direct Observation Global Evaluation Daily Monthly</td>
</tr>
<tr>
<td>Systematically analyze practice, using quality improvement methods, and implement changes with the goal of practice improvement</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics Direct Observation Global Evaluation Daily Monthly</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interpersonal and Communication Skills</th>
<th><strong>SPECIALTY SPECIFIC OBJECTIVES</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Communicate effectively with families while in the presence of their daily preceptor.</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics Direct Observation Global Evaluation Daily Monthly</td>
</tr>
<tr>
<td>Educate families about community resources</td>
<td>Procedure Workshops Direct Guidance Procedure Clinics Direct Observation Global Evaluation Daily Monthly</td>
</tr>
<tr>
<td>Provide families psychosocial support and counseling as</td>
<td>Procedure Workshops Direct Observation Daily</td>
</tr>
</tbody>
</table>
### Professionalism

**SPECIALTY SPECIFIC OBJECTIVES**

- See General Family Medicine Objectives for a comprehensive list.

- Convey information in a clear and concise manner to patients, families, and other health professionals (i.e., use appropriate vocabulary choice, realistic outcomes, and working with difficult patients and family)
  - Procedure Workshops
  - Direct Guidance
  - Procedure Clinics
  - Global Evaluation
  - Monthly

- Provide compassionate and high quality care to all patients regardless of gender, age, culture, race, religion, disabilities, sexual orientation or socioeconomic class
  - Procedure Workshops
  - Direct Guidance
  - Procedure Clinics
  - Direct Observation
  - Global Evaluation
  - Daily
  - Monthly

- Behave in a professional manner when interacting with patients or other health care providers (i.e., integrity, respect, accountability, punctuality)
  - Procedure Workshops
  - Direct Guidance
  - Procedure Clinics
  - Direct Observation
  - Global Evaluation
  - Daily
  - Monthly

<table>
<thead>
<tr>
<th>Systems-Based Practice</th>
<th>SPECIALTY SPECIFIC OBJECTIVES</th>
<th>Direct Guidance</th>
<th>Global Evaluation</th>
<th>Monthly</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Critically evaluate the risks and benefits of a procedure</td>
<td>Procedure Workshops</td>
<td>Direct Observation</td>
<td>Daily</td>
</tr>
<tr>
<td></td>
<td>Identify methods/procedures that will improve the risk/benefit profile for a procedure</td>
<td>Procedure Workshops</td>
<td>Direct Observation</td>
<td>Daily</td>
</tr>
<tr>
<td></td>
<td>Effectively communicate the risks/benefits with the patient</td>
<td>Procedure Workshops</td>
<td>Direct Observation</td>
<td>Daily</td>
</tr>
</tbody>
</table>

**Educational Resources**

1. Procedures for Primary Care by John Pfenninger and Grant Fowler
2. *American Family Physician* journal
3. Advanced Cardiac Life Support curriculum
4. Advanced Life Support for Obstetrics curriculum
5. Pediatric Advanced Life Support curriculum
6. Neonatal Resuscitation Program curriculum