

Rotation: **Procedures**

Duration of Rotation(hours): Integrated & Longitudinal

Contact Person: Drs. Rich, Spata, or other faculty

Phone #: 588-5630

e-mail: Faculty e-mail

Family Medicine Faculty oversight: Rich

Supervision: Direct supervision at time of procedure in any setting.

RRC Requirements:

- IV.C.21. Residents must receive training to perform clinical **procedures** required for their future practices in ambulatory and hospital environments. ^(Core)
- IV.C.21.a) The program director and family medicine faculty should develop a list of procedural competencies required for completion by all residents in the program prior to graduation. ^(Core)
- IV.C.21.a).(1) This list must be based on the anticipated practice needs of all family medicine residents. ^(Core)
- IV.C.21.a).(2) In creating this list, the faculty should consider the current practices of program graduates, national data regarding procedural care in family medicine, and the needs of the community to be served. ^(Core)
- V.A.1.c).(6) assess residents in data gathering, clinical reasoning, patient management, and **procedures** in both inpatient and outpatient settings; and, ^(Detail)
- VI.A.2.c).(3) Oversight – the supervising physician is available to provide review of **procedures**/encounters with feedback provided after care is delivered. ^(Core)**

Content Areas Covered:

See List of Required, Recommended, and Optional procedures.

Specific Educational Strategies:

Schedule (hours): procedures occur as a part of clinical experience in the ambulatory (e.g. FMP or sports medicine office) and hospital (e.g. in ED or on L&D) experiences. Faculty assigned to the experience provide supervision including prepping trainee and patient for the experience (e.g. review supply list, watch video or read about technique, provide demonstration, consent process, etc), assist in procedure (providing hands on or verbal instruction), and provide feedback including signing off on the procedure and level of independence within MedHub.

Teaching Methods & Venues: adult inpatient, adult and pediatric ED, ICU, FMP, gynecology, sports med/ortho, surgery, electives.

Evaluation Methods and Timing: Residents are to log procedures performed using MedHub within four weeks of performing any procedure. For those rotations where the supervising physician does not have access to TCH MedHub, the resident is to log the procedure in their Procedure Log Book (provided in Orientation) at the time of the procedure. Residents are to record procedure, age and gender of patient, and level of involvement in the procedure. The supervising attending will confirm the procedure, further assigning a level of independence. The three levels of independence is as follows: *Level 1* Knowledge only (knows the indications and contra-indications for the procedure: preceptor had to provide hands-on assistance); *Level 2* Not yet Proficient (Level 1 plus some experience doing the procedure but not enough experience to be proficient: Verbal cues required during procedure); *Level 3* Proficient (Levels 1 & 2, plus is able to perform the procedure independently). Residents procedure logs and competencies are reviewed by the residency faculty clinical competence committee and the program director twice yearly. To be certified in a procedure (deemed proficient), the PD will review the MedHub procedure log twice yearly and advance certification based on the number of verified procedures and the level of independence. All procedures have a pre-assigned number required to for competency based upon faculty discussion and review of literature.

Recommended Resources for Procedures:

Pfenninger and Fowler's Procedures for Primary Care: Expert Consult
Online Procedural Videos (Internal Website)

Objectives/Evaluation Tools:

Objective	Patient Care	Medical Knowledge	Practice Based Learning	Interpersonal Communication skills	Professionalism	System Based Practice
Resident can describe the indications and contraindications for the common and special procedures typically performed by family physicians.	X	X				
Resident demonstrates knowledge of his/her limitations in performing procedures.		X			X	
Resident demonstrates the appropriate steps and proficiency in performing the common procedures performed by most family physicians (common procedures list).	X	X				
Resident identifies those special procedures (special procedures list) he or she plans to offer in future practice.		X				
Resident develops and implements a plan to achieve proficiency for the special procedures he or she plans to offer in future practice.		X				
Resident achieves proficiency in performing the special procedures he or she plans to offer in future practice.	X	X				
Resident can gain “informed consent” from patients for procedures (can state the elements of informed consent and explain these to patients such that patients understand).	X	X		X	X	

Resident maintains a procedural log using New Innovations +/- for reporting to Residency and for personal reference for credentialing purposes beyond residency.					X	X
Resident appropriately codes and bills for FPC procedures performed.		X	X			X

Required Procedures

Procedure	Minimum # To Be Completed	Specific Tasks, Faculty Oversight and/or credentialing body
Abscess I&D	1	FMP, ED, inpatient experiences; oversight by FMP faculty & preceptors, procedure clinic leads
ACLS, NRP, PALS, ALSO	selected courses	Certificate of completion collected by program coordinator for resident file.
Amniotomy (AROM)	2	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Anoscopy	1	FMP, surgery, ED and/or inpatient experiences
Bladder catheterization	2	OB rotation, continuity deliveries, oversight by FM maternity care faculty
cerumen removal	1	FMP, GH experiences, oversight by FMP faculty and preceptors
Continuity deliveries	10	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Cryosurgery	1	FMP experience, oversight by FMP faculty and preceptors
Digital Rectal Exam	1	Completion of digital rectal exams of prostate during surgery, FMP, and/or inpatient rotations
Dorsal Penile Block	5	OB rotation, continuity deliveries, oversight by FM maternity care faculty
EKG Interpretation	n/a	Each resident will be required to work through EKG reading text during their cardiology experience and meet with the faculty lead for review.
Excisional Biopsy	1	Derm and FMP experiences; oversight by FMP faculty & preceptors, procedure clinic leads
eye fluorescein exam	1	FMP experiences, oversight by FMP faculty and preceptors

Fern Testing	2	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Fetal Monitoring	10	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Fetal Scalp electrode placement	1	OB rotation, continuity deliveries, oversight by FM maternity care faculty
FS glucose	1	FMP, GH experiences, oversight by FMP faculty and preceptors
KOH evaluation	3	FMP experience, ED experience, OB rotation, continuity deliveries, oversight by FMP faculty & preceptors
Labor induction/ augmentation	2	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Limited Ultrasound (including AFI, fetal presentation, placental location)	3	OB rotation, continuity deliveries, oversight by FM maternity care faculty
nebulizer administration	1	FMP, GH experiences, oversight by FMP faculty and preceptors
Newborn circumcision	5	OB rotation, continuity deliveries, oversight by FM maternity care faculty
NST interpretation	3	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Peak Flow measurement	1	FMP experience, oversight by FMP faculty and preceptors
Pelvic Exam	3	FMP experience, ED experience, OB rotation, continuity deliveries, oversight by FMP faculty & preceptors
Phlebotomy	1	FMP, GH experiences, oversight by FMP faculty and preceptors
Placenta delivery	2	OB rotation, continuity deliveries, oversight by FM maternity care faculty

PPD placement and interpretation	1	FMP, GH experiences, oversight by FMP faculty and preceptors
Punch Biopsy	2	Derm and FMP experiences; oversight by FMP faculty & preceptors, procedure clinic leads
Removal of skin tags	1	Derm and FMP experiences; oversight by FMP faculty & preceptors, procedure clinic leads
simple laceration repair with tissue glues, suture and/or staples	1	ED, FMP, and surgery experiences; ED faculty lead & procedure clinic leads
Skin staples	1	ED, FMP, and surgery experiences; ED faculty lead & procedure clinic leads
Topical and local anesthesia, digital block	1	Pediatric and Adult ED, FMP, and surgery experiences; ED faculty lead & procedure clinic leads
Total deliveries (Vag & C/S)	30	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Upper and Lower extremity splinting	1	Pediatric and Adult ED, FMP, and surgery experiences; ED faculty lead & procedure clinic leads
Urine Microscopy	3	FMP experience, ED experience, OB rotation, continuity deliveries, oversight by FMP faculty & preceptors
Vaccine administration	1	FMP, GH experiences, oversight by FMP faculty and preceptors
Vaginal delivery	20	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Wet Prep collection and interpretation	3	FMP experience, ED experience, OB rotation, continuity deliveries, oversight by FMP faculty & preceptors
X-Ray Interpretation	n/a	Complete online tutorial and test on CXR and AXR, oversight provided by radiology curriculum lead

Recommended Procedures

Procedure	Minimum # To Be Completed	Specific Tasks, Faculty Oversight and/or credentialing body
Arterial Blood Gas	3	ICU experience, oversight by ICU faculty lead
Chemical condylomata removal	1	FMP experience, oversight by FMP faculty & preceptors
Corn/Callous remo	1	FMP experience & procedure clinic, ED experiences, oversight by procedure clinic leads
Ear or Nose foreign body removal	1	FMP, GH, ED experiences, oversight by FMP faculty and preceptors
Endometrialbiopsy	2	FMP experience & procedure clinic, gyn experiences, oversight by procedure clinic leads & maternity care faculty
Fungal slide preparation and review	1	Derm and FMP experiences; oversight by FMP faculty & preceptors, procedure clinic leads
IUD insertion	2	FMP experience & procedure clinic, gyn experiences, oversight by procedure clinic leads & maternity care faculty
IUD removal	2	FMP experience & procedure clinic, gyn experiences, oversight by procedure clinic leads & maternity care faculty
Joint Aspiration	1	FMP experience & procedure clinic, ED, ortho/sports med experiences, oversight by procedure clinic leads
Joint Injection	2	FMP experience & procedure clinic, ortho/sports med experiences, oversight by procedure clinic leads
NG tube placement	1	ED & inpatient experiences, oversight by inpatient faculty
Reduction of Nursemaid's Elbow	1	FMP experience & procedure clinic, ED experiences, oversight by procedure clinic leads

Sebaceous cyst removal	1	FMP experience, oversight by FMP faculty & preceptors, procedure clinic leads
Shave Biopsy	3	Derm and FMP experiences; oversight by FMP faculty & preceptors, procedure clinic leads
Spirometry	1	FMP experience, oversight by FMP faculty and preceptors
Toenail removal	1	FMP experience & procedure clinic, ED experiences, oversight by procedure clinic leads
Trigger Point injection	5	FMP experience, oversight by FMP faculty & preceptors
Wound Closure (Layered)	3	FMP experience & procedure clinic, surgery experiences, oversight by procedure clinic leads

Recommended POCUS Procedures

Procedure	Specific Tasks, Faculty Oversight and/or credentialing body
U/S Guided Internal Jugular Central Vein Access	ICU rotation, oversight but ICU attending
Ultrasound, limited (including AFI, fetal presentation, placental location)	OB rotations, oversight by maternity care faculty
Ultrasound/POCUS AAA exam	FMP or ED rotation; oversight by FMP faculty or ED attendings.
Ultrasound/POCUS evaluation of SSTI/subcutaneous mass (cyst, abscess, etc)	FMP, ED and/or inpatient rotations; oversight by faculty for the rotation
Ultrasound/POCUS for IUD placement	OB rotation, gyn rotation, FMP procedure clinic; oversight by maternity care or FMP faculty, Procedure clinic faculty leads, or gyn attending
Ultrasound/POCUS gallbladder abdominal exam	FMP, ED and/or inpatient rotations; oversight by faculty for the rotation

Ultrasound/POCUS guided joint or other musculoskeletal injection and/or aspiration	FMP or orthopedic rotations; oversight by FMP faculty or orthopedic/sports med attending.
Ultrasound/POCUS technique in OP Med	FMP experience; oversight by FMP faculty/preceptors.
Ultrasound/POCUS to assess for pulmonary edema	Adult inpatient rotation or ED rotation; oversight by inpatient faculty or ED attending.
Ultrasound/POCUS to calculate post-void residual urine bladder volume	Adult inpatient rotation or ED rotation; oversight by inpatient faculty or ED attending.
Ultrasound/POCUS to estimate heart function (LV, LAE)	Adult inpatient rotation or ED rotation; oversight by inpatient faculty or ED attending.
Ultrasound/POCUS to evaluate CVP via IVC	Adult inpatient rotation or ED rotation; oversight by inpatient faculty or ED attending.
Ultrasound/POCUS to evaluate dyspnea (CLUE protocol)	Adult inpatient rotation or ED rotation; oversight by inpatient faculty or ED attending.

Optional Procedures

Procedure	Minimum # To Be Completed	Specific Tasks, Faculty Oversight and/or credentialing body
Amnioinfusion	2	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Arterial line placement	5	ICU experience, oversight by ICU rotation lead
Bartholin's cyst management	2	FMP experience, oversight by FMP faculty & preceptors, procedure clinic leads
Closed reduction of fractures	1	ED experiences, oversight by rotation faculty
Colposcopy with biopsy	30	30 required for credentialing, resident should check with state boards on minimum number required, FMP experience, oversight by FMP faculty & preceptors, procedure clinic leads
Endotracheal Intubation	5	ICU experience, oversight by ICU rotation lead
Excision of thrombosed hemorrhoid	1	ED and surgery experiences, oversight by ED rotation lead
Extremity casts	1	Ortho/sports med experience, oversight by rotation faculty
Femoral Central Vein Catheter Placement	5	ICU experience, oversight by ICU rotation lead
Frenulotomy	1	Maternity care rotations & newborn rotation, oversight by newborn faculty
I&D of perirectal abscess	2	surgery experience, oversight by surgery rotation lead

IUPC	2	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Level 1 OB Ultrasound	300	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Lumbar Puncture	2	ICU and ED rotation leads
Manual extraction of placenta	2	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Medical acupuncture	n/a	200 hour CME course required for certification. Resident should review state certification guidelines.
Paracentesis	5	ED, inpatient, ICU experience, oversight by ED rotation lead
Peripheral nerve block (not dorsal penile n)	1	FMP and ED experiences, oversight by procedure clinic faculty
Pessary fitting and management	2	FMP experience, oversight by FMP faculty & preceptors, procedure clinic leads
Reduction of shoulder dislocation	1	ED experiences, oversight by rotation faculty
Second Degree laceration repair/ episiotomy repair	3	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Third and fourth degree laceration repair	3	OB rotation, continuity deliveries, oversight by FM maternity care faculty
Thoracentesis	5	ED, inpatient, ICU experience, oversight by ED rotation lead
U/S Guided Internal Jugular Central Vein Access	5	ICU experience, oversight by ICU rotation lead
Vacuum assisted vaginal delivery	5	OB rotation, continuity deliveries, oversight by FM maternity care faculty

Vasectomy	5	FMP and urology experiences, oversight by procedure clinic faculty
Ventilator Management	50 patients	ICU experience, oversight by ICU rotation lead
Wound Debridement	5	Inpatient, surgery experiences

OMM Procedures

Procedure	Minimum # To Be Completed	Specific Tasks, Faculty Oversight and/or credentialing body
Strain- Counter Strain	1	FMP experiences with DO faculty oversight; specific OMM classroom teaching sessions.
Myofascial Release	1	FMP experiences with DO faculty oversight; specific OMM classroom teaching sessions.
Balanced Ligamentous Tension	1	FMP experiences with DO faculty oversight; specific OMM classroom teaching sessions.
Muscle Energy	1	FMP experiences with DO faculty oversight; specific OMM classroom teaching sessions.
High Velocity-low Amplitude	1	FMP experiences with DO faculty oversight; specific OMM classroom teaching sessions.
Facilitated Positional Release	1	FMP experiences with DO faculty oversight; specific OMM classroom teaching sessions.
Soft Tissue/Lymphatic	1	FMP experiences with DO faculty oversight; specific OMM classroom teaching sessions.
Articulatory	1	FMP experiences with DO faculty oversight; specific OMM classroom teaching sessions.