

UNIVERSITY OF MICHIGAN HEALTH SYSTEM · DEPARTMENT OF EMERGENCY MEDICINE  
**PEDIATRIC EMERGENCY MEDICINE FELLOWSHIP PROGRAM**

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**Rotation:** Pediatric Surgery (ELECTIVE)  
**Institution:** University of Michigan  
**Duration:** 2-4 weeks (One time rotation)  
**Fellow Training Year:** PEM Year 1, 2, or 3

**Supervising Faculty:** Peter Ehrlich, MD

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**EDUCATIONAL GOALS:**

1. This rotation will provide PEM fellows the opportunity to participate as a **SENIOR** member of the Pediatric Surgery team, caring for patients by participating in care plans, completing indicated basic procedures, attending the Pediatric Surgery clinic, responding to acute Pediatric Surgical and Pediatric Trauma consults and observing/participating in operative care. *Competencies: PC, MK, P, IC, SBP*
2. The PEM fellow will serve at a MID SENIOR surgical resident level role (they will not do floor work, will manage NICU and PICU patients) supervised by pediatric surgical staff and fellows as they gain proficiency in the evaluation and management of common pediatric surgical disease. *Competencies: PC, MK, P, IC, SBP*

**EDUCATIONAL OBJECTIVES:**

1. Become familiar with the anatomic and pathophysiologic basis of several pediatric surgery index problems, including but not limited to Hirschsprung's disease, volvulus, intussusception, solid tumors, appendicitis, diaphragmatic hernias, pyloric stenosis, etc. *Competencies: PC, MK*
2. Gain proficiency in evaluation and management of acute pediatric surgical problems including pediatric trauma care. They will act as first responders and primary leads for floor, PICU, ED and Trauma consults. *Competencies: PC, MK, IC, SBP*
3. Gain proficiency in the care of pediatric surgical intensive care patients including ventilator, fluid and surgical critical care topics. *Competencies: PC, MK, P, IC, SBP*
4. Gain proficiency in basic surgical procedures, including establishment of vascular access (Example: central line placement and repair), chest tube placement, suturing, abscess drainage, and gastrostomy tube management. *Competencies: PC, MK*
5. Understand postoperative care, including wound management, ventilatory support, nutritional support, and discharge/return to activity planning. *Competencies: PC, MK*
6. Become familiar with ECMO, including indications, basic circuit physiology and outcomes indicators. *Competencies: PC, MK, SBP*
7. Understand operative management through direct observation and participation, at the discretion of the Attending physician. *Competencies: PC, MK, IC, SBP*
8. Learn the principles of pre-operative anesthetic screening (clearing the child for surgery), induction (especially intubation), monitoring, and Post-Operative recovery. *Competencies: PC, MK, SBP*
9. Attend all Pediatric Surgery conferences, including Morbidity and Mortality. *Competencies: P, IC, MK, SBP, PBLI, P*
10. Demonstrate knowledge of patient safety measures and reporting of errors as they pertain to pediatric surgery. *Competencies: PC, SBP, IC, P, PBLI*

**DESCRIPTION OF CLINICAL EXPERIENCE:**

PEM Fellows will report for daily work to the UMHS Pediatric Surgical Fellows office (3<sup>rd</sup> Floor Mott, Pediatric Surgery Suite) at 0530 am. Fellows will work with Pediatric Surgical faculty and Pediatric

Accreditation Council for Graduate Medical Education (ACGME) Core Competency Key:

PC = Patient Care; MK = Medical Knowledge; PBLI = Practice-Based Learning and Improvement; IC = Interpersonal and Communication Skills; P = Professionalism; SBP = Systems-Based Practice

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Surgical fellows assigned to clinical service during this rotation; they will care for children visiting the surgical inpatient, outpatient, PICU and ED settings in the Pediatric Surgical Team setting. PEM fellows may take on call duty (except Tues/Wed to attend mandatory PEM conference); daily/weekly hours not to exceed UMHS/PEM duty hour guidelines.

Contact personnel during your rotation include Dr. Peter Ehrlich, MD, Rotation Supervisor, and Pediatric Surgery Chief Fellow(s). PEM Fellows are supervised in compliance with UMHS/GME/Fellowship Program Supervision policies while on this rotation. PEM Fellows are required to be in compliance with UMHS/GME/Fellowship Program Duty Hour Reporting policies while on this rotation.

**DESCRIPTION OF DIDACTIC EXPERIENCE:**

**Pediatric Surgery Conference Schedule**

Every Tuesday 5:30pm Patient Management Conference (Peds Surg Library)

1 <sup>st</sup> Thursday	7:00am 8:00am	Dept Grand Rounds (Ford Amphitheater) Didactic Lecture (Peds Surg Library) *Except July & August / Start Time @ 7:30am
2 <sup>nd</sup> Thursday	7:15am	Pathology/Radiology Conference (Ped Surg Library)
3 <sup>rd</sup> Thursday	7:30am	Network D&C (Ped Surg Library)
4 <sup>th</sup> Thursday	7:00am 7:30am	Departmental D&C (Ford Amphitheater) Pediatric Surgery Grand Rounds (Ped Surg Library)
5 <sup>th</sup> Thursday	7:30am	Pediatric Surgery Grand Rounds (Ped Surg Library)

Fellows are released to attend Pediatric Emergency Medicine conferences on Wednesday. Fellows will also have weekly one on one teaching sessions with faculty. Fellows are expected to review their month's expected conference/track absences with the Pediatric Surgical Faculty/Fellows prior to the first day of the rotation to confirm scheduling.

**Recommended Readings**

- Essentials of Pediatric Surgery, Rowe
- Atlas of Pediatric Surgery, Holder
- Focused reading may be assigned by supervising surgical faculty

**EVALUATION PROCESS:**

Fellows are evaluated using tools based on the six core competencies completed in writing by pediatric

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anesthesia faculty after rotation via the UMHS MedHub online evaluation system. Fellows likewise evaluate their experiences on this rotation as well. Evaluations are forwarded to the Program Director and made available in aggregate to individual fellows via the MedHub system at all times. Formal review of fellow’s evaluations occurs at quarterly PD/Fellow meetings.

**FEEDBACK MECHANISMS:**

Specific problems or notations of excellence identified through verbal or written communication to the Program Director regarding the fellow are immediately brought to the attention of the involved fellow. Fellows receiving an overall poor performance grade (less than satisfactory evaluation for rotation) are notified immediately and meet with the PD. Fellows who receive notation for improvement in some areas (but pass the overall rotation) are given a work plan for educational intervention with specific timeline for completion and reevaluation. Fellows who do not pass an overall rotation will meet with the PD for remediation work plan, including timetable for reevaluation, UMHS notifications as required by GME and repeat the rotation. Monthly evaluations are placed in the fellow’s file and are available for review at any time by the fellow, but are also reviewed during quarterly meetings with the PD. Fellows are encouraged to review their evaluations on MedHub regularly and at least monthly.

Reviewed		11/2006	5/2011				
Revised	6/2005		5/2011	07/05/2011			
Initials	MN	MN	MN	sb			