

Pediatrics Acting Internship

Stephen Tinguely
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The UNDSMS Pediatrics Sub-internship: “Let’s Get Going”

Upon completion of this session the participant will be able to...

- 1. Review the learning objectives of a successful Pediatrics Sub Internship as designed by COMSEP
- 2. Explain how a new pediatrics sub-internships would function on your campus
- 3. Incorporate the new Pediatrics Milestones document into the evaluation of the pediatric sub intern

History

- AI’s (sub internship) at UNDSMHS
- Replaces Medicine AI for selected students
- Does not replace Surgery AI

Who, What and Where

- May be selected by student matching into Pediatrics
- Available to all students statewide with cap
- Fargo Sanford Children’s
- 4 weeks in patient
- Preceptors:
 - Peds hospitalists
 - Peds intensivists
 - Peds heme-onc
 - AI director

The Curriculum

- COMSEP APPD Subinternship Curriculum
- COMSEP website

Objectives

- Assume primary responsibility for the medical care of hospitalized children.
- Perform focused histories and physical examinations and articulate accurately and concisely the oral and written communications pertinent to the care of the hospitalized child.
- Share information effectively with patient and family.
- Prioritize and organize daily patient care management work effectively.
- Anticipate patient needs during the course of hospitalization and communicate this information effectively at sign-out rounds.
- Re-evaluate a patient when taking over care of a patient and adjust the management plan when needed.
- Reassess the ongoing medical needs of the patient.
- Articulate uncertainty in patient management and know how and when to seek appropriate help.
- Function as an effective team member with others providing care for the hospitalized child.
- Coordinate the care of the patient during hospitalization and at discharge.

- ### Instructional Activities
- Admitting, caring for and discharging hospitalized patients at Sanford Children's Hospital under the supervision of the attending or hospitalist.
 - Performing duties as one would in the role of a resident caring for hospitalized children.
 - Using the Council on Medical Student Education in Pediatrics and Association of Pediatric Program Directors sub-internship curriculum found at www.comsep.org
 - Update Rounds daily with the attending and medical team.
 - Sign off assigned patients to the on-call pediatrician.
 - In-house call until 10:00 pm every fourth night or one week of night shift assignment.
 - Writing admission H&Ps, daily progress notes and discharge summaries on assigned patients.
 - Writing all orders for the assigned patients (orders must be cosigned by attending prior to order implementation).
 - Performing common inpatient procedures under the direct supervision of the preceptor. Such procedures might include IV starts, lumbar punctures, dressing changes, gastrostomy tube placement and urinary catheter placement.
 - Communicating daily with patient and family, and with nursing and consulting services.
 - Interpreting laboratory data and imaging studies.

- ### Learning Topics: Evaluate and Manage
- Respiratory Distress
 - Fever in the immune-compromised child
 - Altered mental status
 - Status epilepticus
 - Status asthmaticus
 - Fluid and electrolytes and acid base balance
 - DKA
 - Hypoglycemia
 - Shock
 - Heart failure
 - Pneumothorax
 - Acute renal failure
 - Child abuse
 - Newborn hyperbilirubinemia

Checklist: Procedures

Document method of learning, date and initials of teacher	Method	Date	Instructor
Procedures (observed, simulation or patient participation)			
IV and IO access			
Arterial and venous punctures			
NG placement			
Foley catheter			
LP			
Neb administration			
ET intubation			
Hemorrhage management			

Checklist: Interpretation

Interpretation (preceptor verification or MCQ)			
Vital signs			
BUN, creat, lytes			
CBC			
Bilirubin			
CSF			
CXR			
EKG			

Checklist: Recognition and Management

Recognition and management (patient management, article reading or on-line)			
Shock			
Altered mental status and GCS calculation			
Tension Pneumothorax			
CHF			
Respiratory distress (DOPE mnemonic)			
Sepsis/meningitis			
Hypoglycemia			
Change in clinical status			
Child abuse			

Checklist: How To's

Admission and discharge criteria			
Admission and discharge orders			
TPN orders			
Patient handoffs (scripts)			
Consultation requests			
Problem oriented patient management			
Meaningful daily progress notes			
Child abuse reporting			
Patient and family education			
Seeking interpreters			
Delivering bad news			
Medication reconciliation			
Med dose calculations			
Ask and research question (PICO method)			
Obtain informed consent			
Pain management in children			

Additional Resources

- Comprehensive Pediatric Hospital Medicine; Ed, Zaoutis, LB and Chiang, VW: Mosby, 2007
- Caring for the Hospitalized Child: A Handbook of Inpatient Pediatrics, American Academy of Pediatrics
- The Harriet Lane Handbook, nineteenth edition; Custer, JW and Rau, RE: Mosby, 2012
- Pediatrics On Call; Pohl, CA: Lange, 2006

Not Year Three Repeat

- 4 weeks in patient
- No lectures
- Patient management emphasis
- Admission orders and discharge planning
- Presenting patient information at daily team update rounds
- Signing off patients at night
- Taking call from home with beeper
- Following 5 patients daily
- No vacations
- Assisting with teaching of third years
- Hands on procedure experiences

Feedback

- I meet with student weekly

Criteria for Grading: During and following this elective, the preceptor will:

- Evaluate by direct observation the quality of patient care assignments.
- Evaluate by direct observation the quality of patient handoffs.
- Evaluate by direct observation the student's ability to recognize changes in patient's clinical status and take appropriate corrective action.
- Evaluate by direct observation the student's ability to participate effectively as a patient care team member.
- Evaluate by direct observation the student's ability to effectively communicate with patient and family as well as nursing and consulting services.
- Evaluate by direct observation the student's ability to interpret laboratory data and imaging studies.
- Utilize the standardized UNDSM&HS's senior elective evaluation form.

Evaluation

- Standard UNDSMHS senior elective evaluation form
- The Pediatrics Milestones Project
 - Currently will be used as formative feedback

References

- COMSEP and APPD Curriculum:
 - Council on Medical Student Education in Pediatrics and Association of Pediatric Program Directors sub-internship curriculum found at www.comsep.org
- Pediatric Milestones Project