

HCMC FAMILY MEDICINE RESIDENCY PROGRAM

G1 Pediatrics

ROTATION SPECIFIC COMPETENCY OBJECTIVES

Patient Care

Objectives:

By the end of the rotation, the G1 resident will:

- Understand a comprehensive assessment of pediatric patients and perform this assessment with some supervision
- Elicit a comprehensive history from parents and patient
- Perform appropriate physical examination
- Assess the patient's growth and development
- Determine the acuity and severity of the patient's problem
- Manage fluids and electrolytes
- Diagnose and manage common pediatric diseases and problems
- Begin to use laboratory tests and imaging modalities appropriately
- Demonstrate emerging ability to using a systematic approach to clinical problem solving and determining therapeutic options
- Demonstrate emerging ability to apply preventative medicine to the pediatric population
- List age appropriate vaccine schedules, efficacy and adverse effects
- Administer and interpret developmental screening tools
- Provide anticipatory guidance based on growth and development
- Understand the beginnings of how psychosocial factors affect illness
- List indications and risks of procedures essential to pediatrics including but not limited to cerumen removal, pediatric x-ray interpretation, peak flow measurement, interpretation of developmental screen

By the end of the rotation, the G2 resident will:

- Oversee the treatment plans of all admitted patients
- Diagnose, evaluate and manage common acute illnesses, chronic diseases, undifferentiated illnesses, symptoms and unclassifiable problems
- Create a robust differential diagnosis for undifferentiated pediatric patients
- Demonstrate more mature understanding of common pediatric conditions requiring admission
- Demonstrate the ability to determine when patients' medical conditions mandate transfer to a more intensive setting
- Consider cost-effective use of laboratory tests and imaging modalities when assessing patients
- Demonstrate intermediate ability to use a systematic approach to clinical problem solving
- Consistently recognize and perform the preventative medicine needs of the pediatric population
- Demonstrate knowledge and administer age appropriate vaccine schedules, efficacy and adverse effects
- Provide anticipatory guidance based on growth and development
- Understand the psychosocial factors affecting illness
- Identify the emotional and behavioral factors that impact the patient illness
- Perform procedures essential to pediatrics including but not limited to cerumen removal, pediatric x-ray interpretation, peak flow measurement, interpretation of developmental screen

Medical Knowledge

Objectives:

By the end of the rotation, the G1 resident will:

- List signs and symptoms of common pediatric diseases including but not limited to respiratory distress, viral illness, asthma, bronchiolitis, diarrhea, fever of unknown origin, gastroenteritis, failure to thrive, trauma and sepsis
- Identify a clinical guideline and evidence-based treatment concerning a single patient problem
- List common pharmaceuticals used in Pediatrics and their indications for usage
- Name various resources used to obtain information about pediatric dosing of medications

By the end of the rotation, the G2 resident will:

- Differentiate between pediatric diseases including but not limited to respiratory distress, viral illness, asthma, bronchiolitis, diarrhea, fever of unknown origin, gastroenteritis, failure to thrive, trauma and sepsis
- Select clinical guidelines and evidence-based medicine concerning patient problems
- Apply common pharmaceuticals to pediatric diseases, listing appropriate doses
- Demonstrate ability to identify and prevent drug interactions

Practice-Based Learning and Improvement

Objectives:

By the end of the rotation the G1 resident will:

- Accept constructive feedback
- Present self education on pediatric topics
- Define the salient facts necessary to educate patients on pediatric topics
- Recognize personal limitations in knowledge
- List sources of additional information
- Understand appropriate feedback and request it from supervisors

By the end of the rotation the G2 resident will:

- Accept and incorporate constructive feedback
- Explain pediatric topics to students and junior residents
- Apply knowledge while educating patients on pediatric topics
- Evaluate limitations of knowledge and create a plan to erase these deficiencies
- Recognize conditions that require consultation and refer
- Seek appropriate feedback from supervisors and interdisciplinary team members

Systems Based Practice

Objectives:

By the end of the rotation, the G1 resident will:

- Define the benefits of cost-effective tests and labs
- Outline the steps necessary in prescribing medication safely, in a cost effective manner
- List factors necessary to facilitate discharge planning
- Name the team members necessary to organize and arrange an appropriate discharge
- Begin to participate in multidisciplinary care team meetings

By the end of the rotation, the G2 resident will:

- Consider the child's illness in the context of the family
- Describe how to evaluate and order cost-effective tests and labs

- Prescribe multiple medications safely
- Explain how to encourage and facilitate timely discharge planning
- Give examples of appropriate arrangements for discharge
- Describe the appropriate use of multidisciplinary care team meetings
- Demonstrate emerging skills at effective patient advocacy

Professionalism

Objectives:

By the end of the rotation, the G1 resident will:

- Consistently arrive on time
- Consistently use respectful language and attitudes toward patients, colleagues, faculty and staff
- State the importance of a patient's privacy
- Define sensitivity to cultural differences
- Recognize the patient's perception of illness
- State the importance of a patient's preferences in formulating a plan of care

By the end of the rotation, the G2 resident will:

- Recognize cultural differences and their impact on patient care
- Differentiate the family's perception of illness from illness
- Formulate a plan of care incorporating the patient's and family's preferences into a plan of care
- Demonstrate protection of a patient's privacy

Interpersonal and Communication Skills

Objectives:

By the end of the rotation, the G1 resident will:

- Create a history and physical for admitted patients
- Understand what is necessary to communicate effectively with patients and family
- List qualities that facilitate the effective use of interpreters
- Identify the qualities that facilitate communication with consultants, team members and members of the allied health team
- Present patients concisely and effectively at rounds

By the end of the rotation, the G2 resident will:

- Demonstrate the ability to communicate effectively with patients and family regarding diagnosis, treatment options, prognosis and follow-up care
- Facilitate and plan for the effective use of interpreters
- Apply techniques of effective communication when interacting with consultants, team members and members of the allied health team
- Demonstrates promptness and thoroughness in completing medical records

Educational Resources

- Behrman RE, Kliegman RM, Jensen AB, eds. Nelson Textbook of Pediatrics. 18th ed. Philadelphia, Pa.: Saunders, 2007.
- Behrman RE, Kliegman RM. Nelson Essentials of Pediatrics. 5th ed., Philadelphia, Pa., Saunders, 2006.
- AAFP Curriculum Guidelines related to pediatric issues and conditions that affect infants and children:

Health Promotion and Disease Prevention – Reprint No. 267
Human Behavior and Mental Health – Reprint No. 270
Conditions of the Skin – Reprint No. 271
Conditions of the Nervous System – Reprint No. 272
Allergy and Immunology – Reprint No. 274
Rheumatic Conditions – Reprint No. 276
Urgent and Emergent Care – Reprint No. 285

Web Sites

- The American Academy of Pediatrics: <http://www.aap.org>
- HCMC, Department of Family Medicine Homepage
- New Innovations Website
- [Gastroenteritis and Diarrhea in Children](#)

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