

GASTROENTEROLOGY AND NUTRITION GOALS AND OBJECTIVES

Faculty:

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Goal: Develop competency in pediatric gastroenterology and nutrition.

Learning Objectives:

1. Gain practical experience in the management and evaluation of pediatric gastroenterology and nutritional programs.
2. Become familiar with the underlying pathophysiologic principles on which diagnosis and management of these problems are based.
3. Understand the indications, risks and limitations for gastrointestinal procedures: endoscopy, colonoscopy, pH probe testing and liver biopsy.
4. Become familiar with the histologic and radiographic abnormalities in key representative gastrointestinal diseases.
5. Understand some of the psychosocial, financial, and ethical issues associated with acute and chronic gastrointestinal diseases.
6. Understand the principles and management of enteral and parenteral nutrition in the context of gastrointestinal diseases.
7. Understand issues in pediatric nutrition such as malnutrition, obesity, eating disorders, etc.

Curriculum Content:

Patients with the following clinical diagnoses should be seen or discussed on the rotation:

- a. chronic abdominal pain
- b. constipation
- c. encopresis
- d. Hirschsprung's disease
- e. chronic diarrhea (giardia, cystic fibrosis, celiac disease, milk protein sensitivity, disaccharidase deficiency, toddlers' diarrhea)
- f. vomiting including gastroesophageal reflux
- g. jaundice
- h. chronic liver disease
- i. hepatitis
- j. cholestasis in infants: biliary atresia, neonatal hepatitis
- k. inflammatory bowel disease: Crohn's disease, ulcerative colitis
- l. pancreatitis
- m. intestinal obstruction: intussusception, volvulus, pyloric stenosis
- n. gastrointestinal bleeding
- o. short bowel syndrome

A checklist should be kept as patients are seen and topics are covered during the rotation.

Skills Acquisition:

1. Perform a thorough history to assess the presence of gastrointestinal disease.
2. Interpret physical findings with respect to gastrointestinal disease processes.
3. Order and interpret pertinent laboratory findings needed in the evaluation of gastrointestinal diseases.

Reading Materials:

1. GI and Nutrition article collection prepared by the division.
2. GI and Nutrition textbooks
3. Articles from the faculty files
4. Online articles

Rotation Requirements:

1. Residents will be expected to participate in all gastroenterology clinics at Children's and Charity Hospitals.
2. Residents will perform inpatient consultations, read about the problem and present them to the faculty for discussion.
3. Residents will round daily on the patients on the GI service with faculty.
4. Residents will participate in clinical conferences, rounds, Fellows' conference, pathology conference and other learning activities of the GI division as scheduled by the faculty attending.