



**Division of Gastroenterology/Nutrition
Nutrition Rotation Schedule
HMS Medical Student: Sample Schedule**

OUTPATIENT ENTERAL NUTRITION (Weeks 1-2)

Week	5/5	5/6	5/7	5/8	5/9
Week 1					
AM	<p>Upon arrival Meet with administrator for orientation materials *333 Longwood, 4th floor, GI/Nutrition suite</p> <p>9:30 Orientation with Dr. Sue Huh *Room 410</p> <p>10:00 Attend PN rounds with Dr. Clifford Lo (Attending on service)</p>	<p>8:00 Celiac clinic *Fegan 5</p>	<p>8:00 One Step Ahead clinic *CHPCC entrance</p>	<p>9:00 Pulmonary *Farley 4</p> <p>Didactic</p>	<p>10:00 Adolescent clinic *333 LWD, 5th floor</p>
PM	<p>1:30 Powerchart training *Autumn Street</p>	<p>1:00, Modified Barium Swallow, *Main Radiology desk, 2nd floor main building</p>	<p>12:00- DOM Grand Rounds, *Folkman Auditorium 1:00- GI Grand Rounds *Gamble Library 2:00 – GI Clinical Research Conf *Gamble Library</p>	<p>1:00 CAIR clinic *Fegan 3</p>	<p>12:30 Growth and Nutrition *Fegan 5</p>
Week 2					
AM	<p>8:30 Keto clinic *Fegan 9 (see directions below, page 2)</p>	<p>8:00 Eosinophilic Gastrointestinal Disease clinic (EGID) *Fegan 5</p>	<p>9:00 Open/GI clinic *Fegan 5</p>	<p>PN consults</p> <p>8:00 Bariatric Surgery *Fegan 3</p> <p>Didactic</p>	<p>8:30 Atopic Dermatitis clinic *Fegan 6</p>
PM	<p>12:30 Home Parenteral Nutrition clinic *Fegan 5</p>	<p>PM with Dr. Lo</p>	<p>See first Wednesday conferences. Same each week</p>	<p>1:00 Longwood Rounds *Folkman auditorium</p> <p>2:00 CAIR clinic *Fegan 3</p>	<p>12:30 Growth and Nutrition *Fegan 5</p>



INPATIENT PARENTERAL NUTRITION (Weeks 3-4)

Week	5/19	5/20	5/21	5/22	5/23
3					
AM	8:00 PN Orientation with RD on service PN Rounds PN consults	Fellow lecture PN Rounds PN consults	PN Rounds PN consults	PN consults <i>11:00 PN</i> <i>production with</i> <i>pharmacist Kathy</i> <i>Gura</i> <i>*Pharmacy</i> Didactic	PN consults
PM	PN consults	PN consults	See first Wednesday conferences. Same each week.	1:00 CAIR clinic *Fegan 3	12:30/1:00 PN sign-out rounds *333 Longwood, 4 th floor conference room
Week	5/26	5/27	5/28	5/29	5/30
4					
AM	OFF Hospital Holiday: Memorial Day	Fellow lecture PN Rounds PN consults	PN Rounds PN consults	PN consults	PN consults
PM	OFF Hospital Holiday: Memorial Day	PN consults	See first Wednesday conferences. Same each week.	1:00 Longwood Rounds *Folkman auditorium 2:00 CAIR clinic *Fegan 3	Student lecture 12:30/1:00 PN sign-out rounds *333 Longwood, 4 th floor conference room

*Each Wednesday, Jackie will e-mail you the list of GI conferences we receive each week.

Medical Student contact information:

Email:

Pager:



**Boston
Children's
Hospital**

Until every child is well



**HARVARD MEDICAL SCHOOL
TEACHING HOSPITAL**

Recurring conferences:

Tues & Thursday: 12-1pm, usually in garden conference room (farley building). Broad variety of topics, most frequently deal with core general pediatric content

Wednesday: 12-1pm, in folkman auditorium, enders building - majority are invited speakers from other institutions talking about a wide range of topics

Wednesday: 4-5pm, Subintern conference, hunnewell 2 conference room (in the department of medicine offices) - generally case-based, targeted towards MS4s

Most Fridays: 12-1pm, mini-grand rounds in byers a and b conference rooms in the enders building - generally case-based conferences delivered by residents, fellows, sometimes faculty as well

Daily: 230-330, gen peds conference - usually in housestaff lounge (main building pavilion, rm 129, by blood bank) - generally didactics relating to core general peds and some subspecialty topics

Medical Student Pediatric Nutrition Elective Rotation

Overview

- Accept one 4th year student per month through HMS elective
- Mix of international and U.S. students

Process

- 1) 2 weeks prior to start of rotation: email introductory letter
 - a) Ask student to confirm their intent to participate
 - b) Ask about any specific nutrition interests
- 2) Finalize inpatient / outpatient schedule – email to all participating attendings / dietitians
- 3) Orientation: meetings with rotation administrative coordinator, rotation director, attending on nutrition service, RD preceptor
- 4) Structure:
 - a) 2 weeks inpatient – parenteral nutrition, clinics
 - b) 2 weeks outpatient – clinics
 - c) Didactic lectures, assigned readings
 - d) Student gives one 15-20 minute talk
 - e) Combination of active participation and observational experiences
- 5) End of rotation:
 - a) Attending on service provides evaluation of student
 - b) Student completes SurveyMonkey evaluation of rotation

MEDICAL STUDENT NUTRITION ROTATION EXPECTATIONS AND GOALS

2 Weeks: INPATIENT PARENTERAL NUTRITION

Student Responsibilities/Expectations

- Assess new PN consultations on the day of notification, develop a plan for PN initiation and follow-up
- Review PN starts and follow-up plan daily with RD preceptor, Nutrition Attending
 - o Expected PN panel: 2-4 patients
 - o Write notes daily on PN patients
- Attend all PN walk rounds. Be prepared to discuss patients and relevant nutritional and medical issues during walk rounds with the team and for weekend signout rounds.
- Review learning objectives and discuss topics with nutrition attending / RD dietitian
- Give 1 (15-20 minute) nutrition-specific lecture during the month
- Attend designated afternoon clinics:
 - o Center for Advanced Intestinal Rehabilitation (CAIR)
 - o Growth and Nutrition Program (GNP)
 - o Home PN Program

Learning Goals/Competencies

- I. Nutritional assessment and requirements
- II. Parenteral nutrition – Indications, management, complications
- III. Short Bowel syndrome
- IV. Malnutrition, Micronutrient Deficiencies

2 Weeks: INTRODUCTION TO ENTERAL NUTRITION

Student Responsibilities/Expectations

- Attend Nutrition open and subspecialty clinics. Core clinics:
 - o Celiac
 - o Eosinophilic gastrointestinal disease
 - o Food allergy
 - o Bariatric surgery
 - o Cystic Fibrosis clinic
 - o Optimal weight for life clinic
 - o Metabolism clinic
 - o Adolescent clinic
- The student is usually an observer in outpatient clinics; occasionally there may be opportunities for the student to conduct initial patient evaluation followed by review with the attending physician. For multidisciplinary clinics, student is encouraged to follow the progress of one new patient through the various providers.

Learning Goals/Competencies

- V. Intro to Growth and Nutrition
- VI. Enteral nutrition

Nutrition Rotation: Learning Objectives and Activities

When the Learning Activity is a "Reading Assignment", please complete the assigned reading and discuss with the Nutrition Service Attending. Refer to the linked Learning Objectives to guide your discussion. The readings below are available in the "Green Book", or in the Nutrition medical student rotation folder on the J:\GI_share drive.

I. Nutritional Assessment and Requirements

Learning Objectives:

1. Calculate Resting Energy Expenditure and Total Energy Expenditure for all ages
2. Assess nutritional status for patients of all ages using standard anthropometric measurements
3. Understand the source populations, strengths and weaknesses of the WHO and CDC growth charts.
4. Understand the concept of a z-score, and how to use it in monitoring growth.
5. Identify 3 different biochemical tests for nutritional status

Learning Activity #1: Reading Assignment

Mandatory:

- Duggan, Hendricks. Manual of Pediatric Nutrition; "Nutritional Assessment"; Chapters 1 through 3, 4th Edition., 2005

Optional:

- Duggan, Christopher, Pediatric Gastrointestinal Disease; 3rd edition, "Nutritional Assessment and Requirements". Chapter 78; Part 3; 1691-1705, 2000
- Duggan C, Watkins J, Walker WA. Nutrition in Pediatrics. 4th edition., 2009
 - Chapter 2: Clinical Assessment of Nutritional Status
 - Chapter 3: Laboratory Assessment of Nutritional Status
 - Chapter 44: Nutritional Assessment of the Hospitalized Patient
- American Dietetic Association; Pediatric Manual of Clinical Dietetics; "Nutrition Assessment" Chapters 10-12, 2nd edition. 2008