



2nd Annual Fellows' Nutrition Course
Crowne Plaza Chicago O'Hare – Rosemont, Illinois
November 8-11, 2007

Course Directors

Alan Buchman, MD, MSPH, Northwestern University
James Scolapio, MD, Mayo Clinic – Jacksonville
Martin Floch, MD, Yale University

Thursday, November 8

5:00 pm Registration Opens
6:00-9:00 pm Opening Reception and Dinner

Welcome and Introductions by Course Directors

- *Alan Buchman, MD, MSPH, James Scolapio, MD, and Martin Floch, MD*

Welcome Remarks

- *Linda Hsieh, RD, Nestle Nutrition, USA*

Friday, November 9

7:00-7:50 am Breakfast
7:50-8:00 am Opening Announcements

Basic Nutrition

Moderator: Alan L. Buchman, MD, MSPH

8:00-8:25 am	Carbohydrates - Absorption and Metabolism	<i>Kelly Tappenden, RD, PhD</i>
8:25-8:50 am	Protein and Energy Requirements	<i>Robert Kushner, MD</i>
8:50-9:15 am	Fats - Absorption, and Metabolism	<i>Kelly Tappenden, RD, PhD</i>
9:15-9:40 am	Dietary Fiber, Prebiotics and Probiotics	<i>Martin Floch, MD</i>
9:40-10:00 am	Panel Discussion	
10:00-10:15 am	Break	
10:15-10:40 am	Body Composition & Practical Nutritional Assessment	<i>Khursheed Jeejeebhoy, MBBS, PhD</i>
10:40-11:05 am	Vitamins – Water Soluble Deficiencies	<i>Andrew Ukleja, MD</i>
11:05-11:30 am	Vitamins – Fat Soluble Deficiencies	<i>Andrew Ukleja, MD</i>
11:30-11:55 am	Trace Metals	<i>Craig McClain, MD</i>

11:55 am-12:15 pm Q&A
12:15-1:15 pm Lunch

Clinical Consequences of Under and Over Nutrition
Moderator: Martin Floch, MD

1:15-2:15 pm **WORKSHOP** – Nutritional Assessment
Carol Semrad, MD; Robert Kushner, MD; Martin Floch, MD

2:15-2:40 pm Obesity– Medical Management *Robert Kushner, MD*
2:40-3:05 pm Obesity- Surgical Management *Eric Hungness, MD*
3:05-3:30 pm Medical Complications of Bariatric Surgery *Jeanette Keith, MD*
3:30-3:55pm Endoscopic Management of Obesity *John Martin, MD*
3:55-4:20pm Q&A

4:20-4:35 pm Break

4:35-4:55 pm Malnutrition, Starvation and Refeeding Syndrome *Khursheed Jeejeebhoy, MBBS, PhD*
4:55-5:20 pm Malabsorption *John DiBaise, MD*
5:20-5:45 pm The Celiac Patient *Carol Semrad, MD*
5:45-6:00 pm Q&A

7:00 pm Group Dinner

Saturday, November 10

7:00-7:50 am Breakfast
7:50-8:00 am Opening Announcements

Nutrition in Gastrointestinal Disease
Moderator: James Scolapio, MD

8:00-8:25 am The Liver Patient and Alcohol *Craig McClain, MD*
8:25-8:50 am Hepatic Failure *John DiBaise, MD*
8:50-9:15 am Acute Pancreatitis *Stephen McClave, MD*
9:15-9:40 am Chronic Pancreatitis *John Martin, MD*
9:40-10:00 am Q&A

10:00-10:20 am Break

10:20-10:45 am Inflammatory Bowel Disease *Alan Buchman, MD, MSPH*
10:45-11:10 am Short-Bowel Syndrome and Bacterial Overgrowth *James Scolapio, MD*
11:10-11:35 am Food Intolerances and Hypersensitivities *Sheila Crowe, MD*

11:35 am-Noon Q&A
Noon-1:00 pm Lunch

Parenteral and Enteral Nutrition
Moderator: James Scolapio, MD

The following lectures and workshop today and Sunday should answer most questions on nutrition prescription detail raised in the example cases.

1:00-1:25 pm	Indications for PPN and TPN	<i>James Scolapio, MD</i>
1:25-1:50 pm	Stress and the Critical Care Unit Patient	<i>Thomas Ziegler, MD</i>
1:50-2:15 pm	Complications of Parenteral Nutrition	<i>Alan Buchman, MD, MSPH</i>
2:15-2:40 pm	Complications of Enteral Nutrition	<i>Stephen McClave, MD</i>
2:40-3:05 pm	Medical and Legal Issues of Nutrition Support	<i>Alan Buchman, MD, MSPH</i>

3:05-3:20 pm Break

3:20-5:20 pm Workshops (participants divided into two groups and will alternate between the following two workshops)

- **WORKSHOP** – a. TPN: Indications, Ordering it, and Monitoring the Patient
b. EN: Indications, Ordering it, and Monitoring the Patient

Alan Buchman, MD, MSPH, James Scolapio, Thomas Ziegler, MD

- **WORKSHOP** – Hands-on Enteral Access

Stephen McClave, MD; Mark DeLegge, MD; Douglas Seidner, MD

Fellows: Dinner on your own

Sunday, November 11

7:00-7:50 am Breakfast
7:50-8:00 am Opening Announcements

Formulas, Metabolism, and Special Clinical Conditions

Moderator: Alan L. Buchman, MD, MSPH

8:00-8:25 am	Creating the Parenteral Formula	<i>Mark DeLegge, MD</i>
8:25-8:50 am	Micronutrient Requirements and Deficiencies	<i>Douglas Seidner, MD</i>
8:50-9:15 am	Enteral Formulas—How Much and Which	<i>Mark DeLegge, MD</i>
9:15-9:30 am	Q&A	
9:30-9:45 am	Break	
9:45-10:10 am	Home Parenteral Nutrition	<i>Alan Buchman, MD, MSPH</i>
10:10-10:35 am	Intestinal Transplant and Non-Transplant Surgery	<i>Jon Fryer, MD</i>
10:35-11:00 am	Metabolic Bone Disease and Gastrointestinal Illness	<i>Douglas Seidner, MD</i>
11:00-11:25 am	Nutrition in the Elderly	<i>Samuel Klein, MD</i>
11:25-11:50 am	Nutrition and the Cancer Patient	<i>Joel Mason, MD</i>
11:50 am-12:15 pm	Nutrition in the Patient with Anorexia and Cachexia	<i>Samuel Klein, MD</i>
12:15-12:30 pm	Wrap Up	

Fellows Nutrition Course November 2007 – Chicago

Faculty

Course Directors

Alan Buchman, MD, MSPH
Northwestern University
Chicago, Illinois

James Scolapio, MD
Mayo Clinic
Jacksonville, Florida

Martin Floch, MD
Yale University
New Haven, Connecticut

Speakers

Sheila Crowe, MD
University of Virginia
Charlottesville, Virginia

Mark DeLegge, MD
Medical University of South Carolina
Charleston, South Carolina

John DiBaise, MD
Mayo Clinic
Scottsdale, Arizona

Jon Fryer, MD
Northwestern University
Chicago, Illinois

Eric Hungness, MD
Northwestern University
Chicago, Illinois

Robert Kushner, MD
Northwestern University
Chicago, Illinois

Khursheed Jeejeebhoy, MBBS, PhD
University of Toronto
Toronto, Ontario, Canada

Jeanette Keith, MD
University of Alabama, Birmingham
Birmingham, Alabama

Samuel Klein, MD
Washington University
St. Louis, Missouri

John Martin, MD
Northwestern University
Chicago, Illinois

Joel Mason, MD
Tufts University
Boston, Massachusetts

Craig McClain, MD
University of Louisville
Louisville, Kentucky

Stephen McClave, MD
University of Louisville
Louisville, Kentucky

Kelly Tappenden, RD, PhD
University of Illinois-Champaign Urbana
Champaign, Illinois

Douglas Seidner, MD
Cleveland Clinic Foundation
Cleveland, Ohio

Andrew Ukleja, MD
Cleveland Clinic Foundation
Weston, Florida

Carol Semrad, MD
University of Chicago
Chicago, Illinois

Thomas Ziegler, MD
Emory University
Atlanta, Georgia

Hosts

Linda Hsieh, RD
Manager, Medical Education
Nestle Nutrition, USA

Charles Willis, MBA
Vice President, Education & Training
AGA Institute

Allison Waxler
Director of Training
AGA Institute

Learning Objectives

Upon completion of this course, participants should:

- Better understand basic nutrition and its impact on overall good health.
- Recognize the impact of nutrition in major gastrointestinal diseases.
- Understand energy and macronutrient requirements.
- Understand vitamin and mineral requirements.
- Identify access for nutrition support.
- Understand the clinical consequences of under and over nutrition.
- Understand formulas, metabolism, and special clinical conditions.
- Understand the use of therapeutic diets.
- Manage obesity in patients.
- Share information learned on basic nutrition with colleagues.