

# CURRICULUM VITAE

## PERSONAL INFORMATION

Name: Alan Lewis Buchman  
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Date of Birth: 10-24-60  
Place of Birth: Pittsburgh, PA  
Citizenship: USA  
Married: Wife: Diane, Children: Brandon, Benjamin

## EDUCATION:

1978	Northwestern University	B.A	Psychology
1986	Chicago Medical School	M.D.	Medicine
1993	UCLA	MSPH	Nutrition

## GRADUATE MEDICAL EDUCATION:

1986-1989	Cedars Sinai Medical Center	Internal Medicine
1989-1991	UCLA Medical Center	Clinical Nutrition
1991-1993	Emory University	Gastroenterology

## BOARD CERTIFICATION

National Boards, Parts I,II, III  
National Board of Medical Examiners  
Internal Medicine #322875 (7/1/97)  
American Board of Internal Medicine #123932 (9/13/89)  
American Board of Gastroenterology (1993, 2003)  
National Board for Nutrition Support Physicians #961-018(4/30/96)

## MEDICAL LICENSURE

California	G061526 (7/1/87)	active
Georgia	034784 (10/3/91)	inactive
Texas	J5715 (6/22/94)	inactive
Illinois	336-062256 (7/3/99)	active

DEA

(BNDD) BB1131919

### **FACULTY APPOINTMENTS**

2007-present Professor of Medicine and Surgery  
2006-2007 Associate Professor of Surgery  
2000-2007 Associate Professor of Medicine, Northwestern University; Department of Medicine  
1997-2000 Clinical Associate Professor of Medicine, University of Texas Houston; Department of Medicine  
1993-1997 Assistant Professor of Medicine, Baylor College of Medicine; Department of Medicine

### **HOSPITAL APPOINTMENTS**

1994-2000 Active Staff The Methodist Hospital, Houston, TX  
1994-1997 Active Staff Ben Taub Hospital, Houston, TX  
1994-1997 Active Staff Veterans Affairs Medical Center, Houston, TX  
1995-2000 Active Staff Diagnostic Hospital, Houston, TX  
1995-2000 Active Staff St. Lukes Hospital, Houston, TX  
1994-1997 Active Staff The Institute for Rehabilitation and Research, Houston, TX  
1994-1996 Active Staff Transitional Hospital of Houston, TX  
1997-2000 Active Staff Hermann Hospital, Houston, TX  
1997-2000 Active Staff Lyndon B. Johnson Hospital, Houston, TX  
2000-pres Active Staff Northwestern Memorial Hospital, Chicago, IL  
2000-2005 Active Staff Lakeside Veterans Affairs Hospital, Chicago, IL

### **COMMITTEE SERVICE**

#### **HOSPITAL COMMITTEES**

1990-1991 UCLA Medical Center, Los Angeles, CA Parenteral and Enteral Support Committee  
1993-1994 The Methodist Hospital, Houston, TX Parenteral and Enteral Nutrition Subcommittee  
1995-1996 The Methodist Hospital, Houston, TX Bloodstream Infections Subcommittee  
1994-1998 Harris County Hospital District, TX Gastroenterology and Clinical Nutrition Committee  
1994-2000 St. Luke's Hospital, Houston, TX Gastrointestinal Endoscopy Advisory Committee  
1994-1996 Transitional Hospital, Houston, TX Medical Records Advisory Committee  
1997-2000 Hermann Hospital, Houston, TX Gastroenterology Committee  
1999-2000 Hermann Hospital, Houston, TX Pharmacy and Therapeutics Committee

#### **UNIVERSITY COMMITTEES**

2003-pres. Northwestern University CME Review Committee  
Chairman, 2005-pres.  
2007-pres Northwestern University, General Faculty Committee

## **AWARDS/HONORS**

1990	UCLA School of Public Health Student Travel Award
1991	West's Who's Who in Health and Medical Sciences
1992	AFCR Travel Award
1996	Outstanding Technical Paper Presentation, American Oil Chemists Assoc Annual Meeting
1997	Stanley Dudrick Research Scholar Award; American Society for Parenteral and Enteral Nutrition
1998	Seale Harris Award; Southern Medical Association
2001-2002.	Physician Nutrition Specialist Award; American Society for Clinical Nutrition
2002.	Mead Johnson Award, American Society for Nutritional Sciences
2004	Who's Who in Medical Sciences Education
2005	American Gastroenterological Association's Fiterman Foundation; Hugh R. Butt Award in Hepatology and Nutrition
2006	American Gastroenterological Association, Fellow
2006	Chicago Medical School Distinguished Alumni Award

## **ELECTED FELLOWSHIPS**

American College of Nutrition	1993
American College of Physicians	1995
American College of Gastroenterology	2006
American Gastroenterological Association	2006

## **VISITING PROFESSOR**

1.	Duke University Medical Center	March 4, 1993
2.	University of Pittsburgh	April 20, 1993.
3.	Karolinska Institute, Stockholm, Sweden	September 3-8, 1999
4.	University of Louisville	November 12, 1999
5.	University of Kansas	April 13, 2000
6.	Cleveland Clinic	April 28, 2000
7.	Lutheran General Hospital	November 7, 2001
8.	Mt. Sinai School of Medicine	September 14, 2005
9.	University of Louisville	August 25, 2005
10.	Brown University	December 21 2005
11.	Medical College of Virginia	January 26, 2006
12.	Long Island Univ/North Shore Jewish Hospital	March 30-31, 2006
13.	University of Oregon Health Sciences Center	June 8, 2006
14.	University of Texas Southwestern Medical School	June 22, 2006
15.	Temple University	March 21, 2007

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

Northwestern University	
Alumni Admissions Council	1997-present
Chicago Medical School Alumni Assoc.	1988-present
American College of Physicians	
Associate	1989-1990
Member	1990-1995
Fellow	1995-present
American Federation of Medical Research	1989-present
President, Midwest Section	2005-2006
National Council	2002-present
President-Elect, National AFMR	2007-present
American Institute of Nutrition	1989-present
American Society of Parenteral and Enteral Nutrition (ASPEN)	1989-present
Director-at-Large, Houston-Gulfcoast Chapter	1994-1995
Chairman, Speakers Committee	1994-1995
President Elect	1995-1996
European Society Parenteral and Enteral Nutrition	1990-present
American College of Nutrition	
Member	1990-present
Fellow	1993-present
American Medical Association	1995-2000
Texas Medical Association	1995-2000
Harris County (TX) Medical Society	1995-2000
Federation of American Societies for Experimental Biology (FASEB) Member	1989-present
Consultant to the Life Sciences Research office	1997
American Gastroenterological Association	1993-present
Fellow	2006-present
Growth, Development and Nutrition Section, Abstract Review Committee	1998
Chair, Clinical Nutrition Section Abstract Review Committee	2002
Intestinal Disorders Section	
Chair, Abstract Review Committee	2000-2002
Member, Abstract Review Committee	2000-2001
Task Force on Nutrition	1999-present
Nutrition Curriculum Task Force	2000-present
Education Committee	1999-2002
Manpower and Training Committee	2003-2006
Representative, Intersociety Consortium on Professional Nutrition Education	1999-present
Vice-Chair, Nutrition and Obesity Section	2007-2009
National Council	2007-2011
American College of Gastroenterology	1993-present

Crohn's and Colitis Foundation Houston/Gulfcoast Chapter	1994-present
Medical Advisory Committee	1994-2000
Professional Education Committee	1994-2000
Chicago Chapter	
Medical Advisory Committee	2001-present
Education Committee	2004-present
Southern Medical Association	1995-2000
Houston Society of Internal Medicine	1996-2000
Houston Gastroenterological Society	1996-2000
Gastroenterology Research Group	1997-2002
Chicago Society for Gastroenterology	2000-present

#### Elected Memberships

American Society for Clinical Nutrition	1988-present
Central Society for Clinical Research	2005-present
Chair, Gastroenterology Section	2006-present

### **PROFESSIONAL and SCIENTIFIC SERVICE**

#### A. NATIONAL COMMITTEES

Crohn's and Colitis Foundation of America	
National Professional Education Committee	2004-present
Central Society for Clinical Research	2006-present
Gastroenterology Sub-Specialty Chair	2006-2008
Membership Committee	2006-2008
American College of Gastroenterology	
FDA Matters Committee	2006-
National Institutes of Health, Steering Committee	
Consensus Conference on Short Bowel Syndrome/Intestinal Transplantation	2003-2004
National Board of Nutritional Support Certification (Physician Certification)	
Item Writer	1995
American Board of Internal Medicine	
Item Writer	1996-1998
American Society for Parenteral and Enteral Nutrition	
Self Assessment Committee	1996-1998
Clinical Congress Committee	1998-2000
Founder, Medical Practice Section	1998
Chair, Medical Practice Section	1998-2000
American Society for Clinical Nutrition	
Long-Range Planning Committee	2005-2007
Federation of American Societies for Experimental Biology (FASEB)	
Consultant to the Life Sciences Research Office	1997
American Gastroenterological Association	
Fellow	2006-pres
Task Force on Nutrition	1999
Growth, Development and Nutrition Section	

Member, Abstract Review Committee	1998,2005
Chairman, Abstract Review Committee	1999, 2005
Intestinal Disorders Section	
Member, Abstract Review Committee	1999
Chair, Abstract Review Committee	
Clinical Intestinal Disorders/Malabsorption	2000, 2001
Nominating Committee (Intestinal Disorders Section)	2000
Education Committee	1999-2002
Manpower and Training, Nutrition Curriculum Subcommittee	2000
Representative to Intersociety Professional Nutrition Education Consortium	2000
Food and Drug Administration	
Gastrointestinal Drug Advisory Committee, Consultant	2003
Gastrointestinal Drugs Advisory Committee	2004-present
Oley Foundation, Board of Trustees	2001-present
American Federation of Medical Research	
Councilor, Midwest Region	2000-present
National Council, Councilor-at-large	2001-present
Publications Committee	2003-present
Chair, Midwest Section	2005-2006
American Society of Parenteral and Enteral Nutrition (ASPEN)	
National Self Assessment Committee	1996-1998
National Clinical Congress Committee	1998-1999
European Society for Parenteral and Enteral Nutrition	
Abstract Review Committee	2003
National Commission for Digestive Diseases	2007

## B. STUDY SECTIONS

The Welcome Trust (United Kingdom)	1999
Physiology and Pharmacology	
The Medical Research Council of the United Kingdom (ad hoc reviewer)	2002, 2005
Eli and Edythe Broad Foundation	
Inflammatory Bowel Disease Grants Program (ad hoc reviewer)	2002
National Center for Research Resources (NCCR) - GCRC Review Panel (Review and site visit of Emory University)	2004
NCCAM (NIH) SEP CP-15	
Centers of Excellence for Research on Complementary and Alternative Medicine	2004

## C. EDITORIAL BOARDS

American Journal of Gastroenterology	2006-2008
Journal of the American College of Nutrition	1995-2000
Journal of Parenteral and Enteral Nutrition	1998-2007
Associate Editor	2003-2007
Clinical Nutrition	1998-present
Section Editor for Clinical Reviews	2002-2005
Gastroenterology and Hepatology Review	

Associate Editor	2005-present
Nutrition	1998-present
Inflammatory Bowel Disease	1999-present
Section Editor	2007-present
Digestive Diseases	1999-2004
Digestive Diseases and Sciences	2000-present
Journal of Clinical Gastroenterology	2000-present
Section Editor	2006-present
Digestion	2000-2004
Current Gastroenterology Reports (Section Editor - Nutrition)	2000-2007
Clinical Gastroenterology and Hepatology	2005-present
Reviews in Clinical Gastroenterology	2005-present
Seminars in Gastroenterology (Nutrition Editor)	2001
AMA Family Medical Guide. Disorders of the Digestive System	2001-2002
Journal of Investigational Medicine	2003-2005
Malabsorption Watch (available through <a href="http://www.shortbowel.com">www.shortbowel.com</a> ), (Editor)	2004-2007
AGA Institute Press	2006-present
Gastroenterology Clinics of North America (Guest Editor)	2006-2007
World Journal of Gastroenterology	2007-2009

## TEACHING

Mentor Program - Baylor College of Medicine Medical Students	1994-1997
Mentor Program - Baylor College of Medicine Medicine Housestaff	1994-1997
Director, Nutritional Support Core Lecture Series, Baylor College of Medicine	1994-1996
Coordinator, Medical Student Elective in Nutritional Support, Baylor College of Medicine	1995-1996
Instructor, Gastroenterology section, Pathophysiology course, Baylor College of Medicine	1994-1996
Instructor, Nutrition Section, Pathophysiology course, Baylor College of Medicine	1995-1996
Instructor, Vomiting and Dehydration module, Baylor College of Medicine	1996
Instructor, Pathophysiology of Disease Course, Physicians Assistant Program, Baylor College of Medicine	1994-1996
Instructor, Nutrition Course, Physician Assistants Program, Baylor College of Medicine	1995-1996
Co-coordinator, Core Curriculum for Gastroenterology Fellows, Baylor College of Medicine	1995-1996
Chairman, Gastrointestinal Nurses Education Committee, The Methodist Hospital, Houston, TX	1995-1996
Preclinical Resource Network advisor Program, Baylor College of Medicine	1996
Clinical Preceptor, Regional Nutrition Center of the New York Academy of Sciences Nutrition Mini-fellowship	1996
Instructor, Core Nutrition Course, University of Texas Houston Medical School	1997

Instructor, Pathophysiology Course, University of Texas Houston Medical School	1997-1999
Instructor, The Scientific Basis of Medicine Course, Northwestern University	2001-present

#### Postgraduate Medical Education Course Director

1. TGSSPEN/HADA/Baylor College of Medicine Post Graduate Course: Controversies in Nutrition '95, Houston, TX. September 16, 1995
2. Crohn's and Colitis Foundation/Baylor College of Medicine Postgraduate Course: Update in Inflammatory Bowel Disease Treatment, Houston, TX. October 7, 1995.
3. Baylor College of Medicine Postgraduate Course: Controversies in Nutrition '96, Houston, TX. August 24, 1996
4. Northwestern University Medical School/Northwestern Memorial Hospital. Chicago, IL. Inflammatory Bowel Disease and the Primary Care Physician. October 13, 2001
5. American College of Physicians Annual Congress. Philadelphia, PA. Panel Leader: Current Issues in Nutrition. April 12, 2002
6. Northwestern University Medical School Update in Inflammatory Bowel Disease for the Clinician. April 8, 2002
7. American Society for Parenteral and Enteral Nutrition. Nutrition for the Practicing Clinician Course. Practical Aspects of Nutrition Support. San Antonio, TX, January 18, 2003.
8. American Gastroenterological Association. Nutrition and Nutritional Support for the Practicing Gastroenterologist. February 22-23, 2003, Miami Beach, FL
9. National Institutes of Health. Organizing Committee. Workshop on Intestinal Failure, Las Vegas, NV. February 7, 2004.
10. Northwestern University. The Snowbird Course on IBD and Intestinal Failure. Snowbird, Utah, March 10-12, 2005.
11. Northwestern University/Northwestern Memorial Hospital. Inflammatory Bowel disease for the Primary Care Physician. Chicago, IL, April 9, 2005
12. Northwestern University. The 2<sup>nd</sup> Annual Snowbird Course on IBD and Intestinal Failure. Snowbird, Utah, March 9-12, 2006.
13. CSCR/MWAFMR Combined Annual Meeting, co-director, April 28, 2006
14. American Gastroenterological Association. Nutrition and Nutritional Support: A Primer for Gastroenterology Fellows. November 11-13, 2006, Chicago, IL
15. American Gastroenterological Association. Nutrition and Nutritional Support for the Practicing Gastroenterologist. March, 2007, Boston, MA
16. Northwestern University. The 3<sup>rd</sup> Annual Winter Course on IBD, Nutrition, and Intestinal Failure. Sundance, Utah, March 1-3, 2007
17. American Gastroenterological Association. Nutrition and Nutritional Support: A Primer for Gastroenterology Fellows. November 11-13, 2007, Chicago, IL
18. Northwestern University. The 4<sup>th</sup> Annual Winter Course on IBD, Nutrition, and Intestinal Failure. Sundance, Utah, March 6-9, 2008

I have given nearly 250 lectures in Postgraduate Medical Continuing Education Courses from 1993-present

I have been involved in Teaching of residents and fellows in a clinical setting from 1993-present

## RESEARCH GRANTS/CONTRACTS (Last 5 years only)

### A. Federal Grants (last 5 years)

Food and Drug Administration (primary investigator, 2001-2004): "Prevention of TPN-associated liver disease." FD-R-001994-01 \$637,133

### B. Contracts (1999-present only)

ISIS Pharmaceuticals (Primary investigator, 2002). Phase 3 Double-Masked, Placebo-Controlled Study of Alicaforsen (ISIS 2302), an Antisense Inhibitor of ICAM-1, for the Treatment of Patients with Active Crohn's Disease

Cytokine PharmaSciences, Inc. (Primary investigator, 2002). Long-term Study of CNI-1493 for Treatment of Moderate to Severe Crohn's Disease

Cytokine PharmaSciences, Inc. (Primary investigator, 2002). A Randomized, Double-Blind, Placebo-Controlled Study of CNI-1493 for Treatment of Moderate to Severe Crohn's Disease

Genetics Institute, Inc. (Primary investigator, 2002). A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Safety and Exploratory Pharmacogenomic Study of Orally Administered Recombinant Human Interleukin Eleven (rhIL-11) in Patients with Active Crohn's Disease

Elan Pharmaceuticals, Inc. (Primary investigator, 2002). A Phase III, International, Multicenter, Double-Blind, Placebo-Controlled Study of the Efficacy, Safety, and Tolerability of Intravenous Antegren (Natalizumab) (300mg Monthly) in Maintaining Clinical Response and Remission in Subjects with Crohn's Disease

Elan Pharmaceuticals, Inc. (Primary investigator, 2002). A Phase III, International, Multicenter, Double-Blind, Placebo-Controlled Study of the Safety, Efficacy and Tolerability of Intravenous Antegren (Natalizumab) in Subjects with Moderately to Severely Active Crohn's Disease.

Genetics Institute, Inc. (Primary investigator, 2002). A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Dose-Escalating Safety and Exploratory Pharmacogenomic Study of Orally Administered Recombinant Human Interleukin Eleven (rhIL-11) in Patients with Mild to Moderate Left-Sided Ulcerative Colitis

Elan Pharmaceuticals, Inc. (Primary investigator, 2003). A Phase III, Multicenter, Open-Label, Long-Term Study of the Safety, Tolerability, and Efficacy of Intravenous Antegren (Natalizumab) in Crohn's Disease Subjects who have Previously Participated in Studies CD251, CD301, CD303, or CD306

Wyeth-Ayerst Research (Primary investigator, 2003). A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging Study of Orally Administered Recombinant Human Interleukin-11 (rhIL-11) for the Treatment of Patients with Active Crohn's Disease

ISIS Pharmaceuticals (Primary investigator, 2003). Phase 2, Double-Blind, Controlled Study of Four Dosing Regimens of Alicaforsen (ISIS 2302) Enema, an Antisense Inhibitor of ICAM-1 for the Treatment of Patients with Mild to Moderate Active Colitis

Cytokine PharmaSciences, Inc. (Primary investigator, 2003). A Randomized, Double-Blind, Placebo-Controlled study of CNI-1493 for Treatment of Moderate to Severe Crohn's Disease

Cytokine PharmaSciences, Inc. (Primary investigator, 2003). Long-Term Study of CNI-

1943 for Treatment of Moderate to Severe Crohn's Disease  
Abbott (Primary investigator, 2003). A Multi-Center, Randomized, Double-Blind, Placebo-Controlled Study of the Safety of Human Anti-TNF Monoclonal Antibody Adalimumab for the Induction and Maintenance of Clinical Remission in Subjects with Crohn's Disease  
Cytokine PharmaSciences, Inc (Primary investigator, 2003). Extension Study of CNI-1493 for Treatment of Moderate to Severe Crohn's Disease  
NPS Allelix Pharmaceuticals (Primary investigator, 2003). A Pilot Study of the Safety and Efficacy of ALX-0600 in Subjects with Moderately Active Crohn's Disease  
PDL Humanizing Science (Primary investigator, 2003). Phase I/II, Partially Randomized, Open-Label Study of Visilizumab in Patients with Severe Ulcerative Colitis Refractory to intravenous Corticosteroids  
NPS Allelix Pharmaceuticals (Primary investigator, 2004). A Study of the Efficacy and Safety of Teduglutide in Subjects with Parenteral Nutrition-Dependant Short Bowel Syndrome  
NPS Allelix Pharmaceuticals (Primary investigator, 2004). A Study of the Efficacy and Safety of Teduglutide in Subjects with Parenteral Nutrition-Dependant Short Bowel Syndrome Who Completed Protocol CL0600-004  
Therakos (Primary investigator, 2004). A Single Arm Study of ExtraCorporeal Photoimmune Therapy with Uvadex For Corticosteroid Sparing in Patients with Corticosteroid-Dependent Crohn's Disease who May also be Refractory or Intolerant to Immunosuppressants and/or an Anti-Tumor Necrosis Factor Agent  
NPS Pharmaceuticals (Primary investigator, 2004). An Open Label Extension Study of the Safety and Efficacy of ALX-0600 in Subjects with Crohn's Disease who Completed the Pilot Study Protocol CL0600-008  
Synta Pharmaceuticals Corp. (Primary investigator, 2004). A Phase I/IIa Trial of STA-5326 (oral anti IL-12) in Crohn's Disease Patients with CDAI Scores of 220-400

## **SCHOLARLY BIBLIOGRAPHY**

### Original Peer-Reviewed Research

1. Moukarzel A, Ament ME, Buchman AL, Dahlstrom KA, Vargas J. Renal function of children receiving long term parenteral nutrition. *J. Peds* 1991;119:864-8.
2. Buchman AL, Ament ME. Comparative hypersensitivity in intravenous lipid emulsions. *JPEN* 15:345-6, 1991.
3. Moukarzel A, Song MK, Buchman AL, Vargas J, Guss W, McDiarmid S, Reyen L, Ament E. Excessive chromium intake in children receiving total parenteral nutrition. *Lancet*. 339:385-8,1992.
4. Moukarzel AA, Buchman AL, Salas JS, Vargas J, Guss W, Baron HI, Reyen L, Ament ME. Iodine supplementation is not necessary in children on long term parenteral nutrition. *J Peds*. 121:252-4,1992
5. Buchman AL, Moukarzel A, Ament ME. The role of chromium and cadmium toxicity in TPN-induced nephropathy. *J Clin Nutr Gastro*. 7:39-41,1992
6. Buchman AL, Dubin M, Jenden D, Moukarzel A, Roch MH, Rice K, Gornbein J, Ament ME, Eckhert CD. Lecithin supplementation causes a decrease in hepatic steatosis in patients receiving long term parenteral nutrition. *Gastroenterology*. 102:1363-70,1992.

7. Moukarzel A, Dahlstrom KA, Buchman AL, Ament ME. Carnitine status of children on long term parenteral nutrition: A longitudinal prospective study. *J Peds* 120:759-62,1992
8. Buchman AL, Moukarzel A, Ament ME, Gornbein J, Goodson B, Carlson C, Hawkins RA. The impairment of renal function is associated with long term parenteral nutrition. *JPEN*. 17:438-44, 1993
9. Buchman AL, Moukarzel A, Jenden DJ, et al. Hepatic transaminase abnormalities are associated with low plasma free choline in patients receiving long term parenteral nutrition. *Clin Nutr*. 12:33-37, 1993
10. Buchman AL, Ament ME, Moukarzel A. Total serum amylase but not lipase correlates with measured glomerular filtration rate. *J Clin Gastro*. 16:204-6,1993
11. Buchman AL, Moukarzel A, Ament ME. Low plasma carnitine levels are not secondary to vitamin B6 deficiency in long term TPN patients. *J Clin Nutr Gastroenterology*. 8:31-3, 1993
12. Buchman AL, Keen CL, Vinters HV, Harris E, Chugani HT, Bateman B, Rodgerson D, Vargas J, Verity A, Ament M. Copper deficiency secondary to a copper transport defect, a new copper metabolic disturbance. *Metabolism*. 43:1462-1469,1994
13. Buchman AL, Moukarzel A, Ament ME. Selenium renal homeostasis is impaired in patients receiving long term TPN. *JPEN*. 18:231-33,1994
14. Buchman AL, Ament ME, Weiner M, Kodner A, Mayer EA. Gastrointestinal dysmotility and megaduodenum in anorexia nervosa: Reversal with weight gain and improvement in nutritional status. *Dig Dis Sci*. 39:433-40,1994
15. Buchman AL, Goodson B, Herzog F, Ament ME. Catheter thrombosis and superior/inferior vena cava syndrome are rare complications of long-term parenteral nutrition. *Clinical Nutrition*. 13:356-360, 1994
16. Buchman AL, Moukarzel A, Goodson B, Herzog F, Pollack P, Reyen L, Alvarez M, Ament ME, Gornbein J. Catheter-related infections associated with home parenteral nutrition and predictive factors for the need for catheter removal in their treatment. *JPEN*. 18:297-302, 1994 (lead article)
17. Moukarzel AA, Haddad I, Ament ME, Buchman AL, Reyen L, Maggion Baron HI, Vargas J. 189 years of experience with home long term parenteral nutrition in childhood:natural history and life of central venous catheters. *J Pediatr Surg* 29:1323-7, 1994
18. Moukarzel AA, Goulet O, Salas JS, Marti-Henneberg C, Buchman AL, Cynober L, Rappaport R, Ricour C. Growth retardation in children on long term parenteral nutrition:effects of ornithine ketoglutarate. *Amer J Clin Nutr*. 40:408-13,1994
19. Buchman AL, Jenden DJ, Moukarzel A, Roch M, Rice KM, Chang AS, Ament ME. Pharmacokinetics during intermittent intravenous choline infusion in humans. *Clin Pharmacol Therapeutics*. 55:277-83,1994
20. Buchman AL, Moukarzel AA, Ament ME, Eckhert C, Bhuta S, Mestecky J, Hollander D. The effects of TPN on intestinal morphology and function in man. *Transplantation Proc*. 26:1457,1994
21. Buchman AL, Moukarzel AA, Meztecky J, Ament ME. Intestinal immune function is unaffected by parenteral nutrition in man. *JACN*. 14:656-661, 1995

22. Buchman AL, Dubin M, Moukarzel AA, Jenden DJ, Roch M, Rice KM, Gornbein J, Ament ME. Choline deficiency: a cause of hepatic steatosis associated with parenteral nutrition that can be reversed with and intravenous choline chloride supplementation. *Hepatology* 22:1399-1403, 1995 (lead article)
23. Buchman AL, Moukarzel A, Ament ME. Excessive urinary oxalate excretion occurs in long term TPN patients both with and without ileostomies but is not associated with TPN-induced nephropathy. *JACN*. 14:24-28, 1995 (lead article)
24. Buchman AL, Moukarzel A, Bhuta S, Belle M, Ament ME, Eckherdt CD, Hollander D, Gornbein J, Kopple JD, Vijayaraghavan SR. Parenteral nutrition is associated with intestinal morphologic and functional changes in humans *JPEN* 19:453-460, 1995
25. Buchman AL, Keen C, Commisso, J, Killip D, Ou CN, Rognerud CL, Dennis K, Dunn JK . The effect of a marathon run on plasma and urine metal concentrations. *J Amer Coll Nutr* 17:124-127, 1998
26. Misra S, Ament ME, Choi H, Jenden DJ, Buchman AL. Plasma choline concentrations in children requiring long-term home parenteral nutrition: a case control study. *JPEN* 23:305-308, 1999
27. Buchman AL, Killip D, Ou CN, Rognerud CL, Pownall H, Dennis K, Dunn JK. Short term Vitamin E supplementation in marathon runners: a placebo-controlled trial. *Nutrition* 15:278-283, 1999
28. Buchman AL, Jenden DJ, Roch M. Plasma free, phospholipid-bound and urinary free choline decrease during a marathon run and may be associated with impaired performance *J Am Coll Nutr* 18:598-601, 1999
29. Buchman AL, O'Brien WE, Ou CN, Rognerud C, Alvarez M, Dennis K, Ahn C. The effect of arginine or glycine supplementation on intestinal and muscle injury, serum amino acids and performance during a marathon. *Int J Sports Med* 20:315-321, 1999
30. Sands BE, Bank S, Sninsky CA, Robinson M, Katz S, Singleton JW, Miner PB, Safdi MA, Galandiuk S, Hanauer SB, Varilek GW, Buchman AL, Rodgers VD, Salzberg B, Cai B, Loewy J, DeBruin MF, Rogge H, Shapiro M, Schwertschlag US. Preliminary evaluation of safety and activity of recombinant human interleukin-11 in patients with active Crohn's disease. *Gastroenterology* 117:58-64, 1999
31. Buchman AL, Jenden DJ, Suki W, Roch M. Changes in plasma free and phospholipid-bound choline concentrations in chronic hemodialysis patients. *J Renal Nutr* 10:133-138, 2000
32. Buchman AL, Awal M, Jenden D, Roch M, Kang SH. The effect of lecithin on plasma choline concentration during a marathon. *J Am Coll Nutr* 19:768-770, 2000
33. Buchman AL, Sohel M, Moukarzel A, Bryant D, Schanler R, Awal M, Burns P, Dorman K, Belfort M, Jenden DJ, Killip D, Roch M. Plasma choline in normal newborns, infants, toddlers, and in very low birth weight neonates requiring total parenteral nutrition. *Nutrition* 17:18-21, 2001
34. Buchman AL, Neely MW, V. Bruce Grossie Jr, Truong L, Lykissa E, Ahn C. Organ heavy metal accumulation during parenteral nutrition is associated with pathologic abnormalities in rats. *Nutrition* 17:600-606, 2001

35. Buchman AL, Sohel M, Brown M, Jenden DJ, Ahn C, Roch M, Brawley TL. Verbal and visual memory improve following choline supplementation in long-term total parenteral nutrition: A pilot study. *JPEN* 25:30-35, 2001
36. Buchman AL, Ament ME, Sohel M, Dubin M, Jenden DJ, Roch M, Pownall H, Farley W, Awal M, Ahn C. Choline deficiency causes reversible hepatic abnormalities in patients during parenteral nutrition: proof of a human choline requirement; a placebo-controlled trial. *JPEN* 25:260-268, 2001
37. Buchman AL, Fife C, Torres C, Smith L, Aristizibal J. Hyperbaric oxygen therapy for severe ulcerative colitis. *J Clin Gastroenterol* 33:337-339, 2001
38. Nehra V, Angulo P, Buchman AL, Lindor K. Nutritional and metabolic considerations in the etiology of nonalcoholic steatohepatitis. *Dig Dis Sci* 46:2347-2352, 2001
39. Yacyshyn BR, Chey WY, Goff J, Salzberg B, Baerg R, Buchman AL, Tami J, Yu R, Gibiansky E, Shanahan WR; ISIS 2302-CS9 Investigators. Double-blind, placebo-controlled trial of the remission inducing and steroid-sparing properties of an ICAM-1 antisense oligodeoxynucleotide (ISIS 2302) in active, steroid-dependent Crohn's disease. *Gut* 51:30-36, 2002
40. Buchman AL, Wallin A. Videocapsule Endoscopy Renders Obscure Gastrointestinal Bleeding No Longer Obscure. *J Clin Gastroenterol* 37:303-6, 2003.
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- JP, Buchman A, Craig R. Incidence of catheter sepsis in parenteral nutrition patients before and after the implementation of strict policies for catheter care. *JPEN* 31:S67, 2007
23. Fitzhugh J, Fryer JP, Polensky S, Wallin A, Buchman A. Success in TPN reduction with intestinal rehabilitation. *JPEN* 31:S67, 2007
  24. Buchman AL, Kapikian R, Demchyshyn LL. Teduglutide augments plasma citrulline, a marker of enterocyte mass in patients with Crohn's disease. *Gastroenterology* 132:A177, 2007
  25. Scolapio JS, Buchman AL, FLoch MH. First annual AGA fellows' nutrition course: outcome of nutrition support, obesity, and basic and clinical nutrition training. *Gastroenterology* 132:A-80, 2007
  26. Fryer J, Buchman AL. Timely consideration of intestinal transplantation influences outcomes. *Gastroenterology* 132:A-338, 2007
  27. Sandborn WJ, Baumgart DC, Targan SR, Salzberg BA, Mayer L, Hommes D, Hanauer SB, Mahadevan U, Reinisch W, Plevy S, Dignass AU, Van Assche GA, Buchman AL, et al. Long-term clinical outcome following visilizumab for the treatment of intravenous steroid-refractory ulcerative colitis. *Gastroenterology* 132:A-506, 2007

## **Presentations/Invited Lectures (last 5 years)**

### **International**

1. 10<sup>th</sup> Argentine and 2<sup>nd</sup> Southern American Congress of Nutrition Support and Metabolism, Buenos Aires, Argentina. "Nutrition support in chronic liver disease." May 28, 2001
2. 10<sup>th</sup> Argentine and 2<sup>nd</sup> Southern American Congress of Nutrition Support and Metabolism, Buenos Aires, Argentina. Liver disease associated with the short bowel syndrome." May 29, 2001
3. 10<sup>th</sup> Argentine and 2<sup>nd</sup> Southern American Congress of Nutrition Support and Metabolism, Buenos Aires, Argentina. Nutrition support in inflammatory bowel disease." May 30, 2001
4. World Congress of Gastroenterology 2002, Bangkok, Thailand. Malnutrition in the elderly: the scope of the problem. February 28, 2002
5. Indian Society for Parenteral and Enteral Nutrition Congress. Keynote Address. Hyderabad, India. TPN-Associated Liver Disease. December 7, 2002
6. European Society for Parenteral and Enteral Nutrition (ESPEN) Congress. Cannes, France. TPN-Associated Liver Disease. September 20, 2003.
7. European Society for Parenteral and Enteral Nutrition (ESPEN) Congress. Cannes, France. Session Chair, Artificial Nutrition in Liver Disease. September 20, 2003
8. European Society for Parenteral and Enteral Nutrition (ESPEN) Congress. Cannes, France. Poster Discussant: Gastrointestinal and Liver Disease. September 20, 2003
9. Nutrition and Inflammatory Bowel Disease. University of Toronto. November 7, 2003.
10. Short Bowel Syndrome: is Nutrition the Cornerstone of Management?. University of Barcelona, Barcelona, Spain. November 21, 2003
11. Economics and Ethics in Nutritional Support. 10<sup>th</sup> Annual Nestle Conference on Nutrition. Berlin, Germany, June 13, 2004.

12. Nutrition: The forgotten therapeutic weapon. AGA-Portuguese Gastroenterological Society, Porto, Portugal, April 1, 2005
12. TPN-Associated Liver Disease. 9<sup>th</sup> International Small Intestine Transplantation Congress. Brussels, Belgium June 30, 2005.
13. Growth Factors and Intestinal Rehabilitation. 10<sup>th</sup> International Small Intestine Transplantation Congress. Los Angeles, CA. September, 6, 2007
14. Who Needs and Intestinal Transplant – When to Refer. Australian Gastroenterology Week, Perth, Australia. October 25, 2007
15. Hepatobiliary Complications Associated with Parenteral Nutrition. Australian Gastroenterology Week, Perth, Australia. October 26, 2007
16. All Patients Need a Nutritional Assessment on Admission. Australian Gastroenterology Week, Perth, Australia. October 26, 2007
17. Complications of Home Parenteral Nutrition. Australian Gastroenterology Week, Perth, Australia. October 27, 2007
18. Somewhere Over the Rainbow- New Therapies for Inflammatory Bowel Disease on the Horizon,. Australian Gastroenterology Week, Perth, Australia. October 27, 2007
19. Mew Enterla Therapies for Gut Adaptation. Intestinal Failure Conference 2007. Royal Melbourne Children’s Hospital, Melbourne, Australia. October 29, 2007.
20. Complications of Parenteral Nutrition. AUSPEN. Melbourne, Australia. October 29, 2007
21. Complications of Parenteral Nutrition. Auckland City Hospital, Auckland, New Zealand. October 30, 2007

### **National**

1. AGA Postgraduate Course. The Difficult to Feed Patient. Atlanta, GA, May 19, 2001
2. AGA Postgraduate Course. The Difficult to Feed Patient. Atlanta, GA, May 20, 2001
3. Oley Foundation Congress. Preserving your Liver. Milwaukee, WI. June 22, 2001
4. AGA. Monitor - Clinical Intestinal Disorders. Atlanta, GA May 22, 2001
5. Coram Healthcare. Home Parenteral and Enteral Nutrition Workshop. Las Vegas, NV. TPN-Associated Liver Disease. October 19, 2001
5. American Society for Parenteral and Enteral Nutrition. Complications of Home TPN. San Diego, CA. February 22, 2002
6. Yale University School of Medicine. Hepatobiliary complications associated with parenteral nutrition. New Haven, CT. January 17, 2002
7. University of Florida, Gainesville, FL. Choline deficiency in humans. April 8, 2002
8. Kansas Medical Education Foundation 15<sup>th</sup> Annual Advances in Course in Gastroenterology. Topeka, KS. Nutritional assessment and recognition of nutrient deficiencies. April 11, 2002
9. American College of Physicians Annual Congress. Philadelphia, PA. Panel Leader: Current Issues in Nutrition. April 12, 2002
10. American College of Physicians Annual Congress. Philadelphia, PA. Current Issues in Nutrition: Nutrient deficiencies and toxicities April 12, 2002
11. AGA Postgraduate Course. Problems in Enteral and Parenteral Nutrition. San Francisco, CA, May 20, 2002
12. Digestive Disease Week. Hepatobiliary Complications of Parenteral Nutrition. San Francisco, CA. May 22, 2002

13. American Society for Parenteral and Enteral Nutrition. Nutrition for the Practicing Clinician Course. Practical Aspects of Nutrition Support. San Antonio, TX, January 18, 2003.
14. Oley Foundation Regional Nutrition Support Workshop. TPN-Associated Liver Disease. San Antonio, Texas. January 19, 2002.
15. Nutrition Week/American Society for Clinical Nutrition. Nutrition and Inflammatory Bowel Disease. San Antonio, TX January 20, 2003.
16. Nutrition and Nutritional Support for the Practicing Gastroenterologist. American Gastroenterological Association. Course Director. February 22-23, 2003, Miami Beach, FL
17. Nutrition and Nutritional Support for the Practicing Gastroenterologist. American Gastroenterological Association. Nutrition and Inflammatory Bowel Disease. February 22, 2003, Miami Beach, FL
18. Nutrition and Nutritional Support for the Practicing Gastroenterologist. American Gastroenterological Association. Hepatobiliary Complications of TPN. February 23, 2003, Miami Beach, FL
19. Nutrition and Nutritional Support for the Practicing Gastroenterologist. American Gastroenterological Association. Management of Short Bowel Syndrome. February 23, 2003, Miami Beach, FL
20. The Treatment of Mild and Moderate Ulcerative Colitis, March 27, 2003. San Diego, CA. Solvay Pharmaceuticals.
21. The Treatment of Mild and Moderate Ulcerative Colitis, June 5, 2003. Indianapolis, IN. Solvay Pharmaceuticals.
22. Videocapsule Endoscopy: A New Frontier. April 4, April 11, 2003. Teleconference. AstraZeneca Pharmaceuticals.
23. American Society for Parenteral and Enteral Nutrition. Audio teleconference. Glutamine: Counterpoint. May 8, 2003.
24. American Gastroenterological Association Annual Postgraduate Course. Parenteral and Enteral Nutrition: When to use them. Orlando, FL May 18, 2003
25. TPN for the Liver: Poison or Potion. DDW, Orlando, FL May 22, 2003.
26. TPN for the Liver: Poison or Potion. University of Pittsburgh post-DDW Review Course, Pittsburgh, PA, June 6, 2003.
27. The Treatment of Mild and Moderate Ulcerative Colitis, June 12, 2003. Baltimore, MD. Solvay Pharmaceuticals.
28. The Treatment of Mild and Moderate Ulcerative Colitis, July 17, 2003. Dallas, TX. Solvay Pharmaceuticals
29. The Treatment of Mild and Moderate Ulcerative Colitis, July 31, 2003. Nashville, TN. Solvay Pharmaceuticals
30. The Treatment of Mild and Moderate Ulcerative Colitis, August 5, 2003, Louisville, KY. Solvay Pharmaceuticals
31. The Treatment of Mild and Moderate Ulcerative Colitis, September 9, 2003. Huntington, WV. Solvay Pharmaceuticals
32. The Treatment of Mild and Moderate Ulcerative Colitis, October 21, 2003. Wayne, PA. Solvay Pharmaceuticals
33. Glutamine: Use in parenteral and enteral nutrition. Harvard Medical School. November 2, 2003

34. The use of choline in parenteral nutrition. Harvard Medical School. November 3, 2003
35. The Treatment of Mild and Moderate Ulcerative Colitis, November 13, 2003. Peoria, IL. Solvay Pharmaceuticals
36. The Treatment of Mild and Moderate Ulcerative Colitis, Houston, TX. December 18, 2003. Wayne, PA. Solvay Pharmaceuticals
37. The Treatment of Mild and Moderate Ulcerative Colitis, San Antonio, TX. December 19, 2003. Solvay Pharmaceuticals.
38. Etiology and Initial Management of Short Bowel Syndrome. NIH Workshop, Las Vegas, NV. February 7, 2004.
39. The Medical Management of Short Bowel Syndrome. Serono Symposium. Las Vegas, NV. February 9, 2004
40. The Diagnosis of Crohn's Disease: Videocapsule Endoscopy versus Radiologic Studies. The 3<sup>rd</sup> International Symposium on Capsule Endoscopy, Miami, FL. March 1, 2004.
41. Short Bowel Syndrome. AGA Clinical Conversational Series. Internet. March 19, 2004.
42. Complications of TPN. Medical College of Wisconsin Digestive Diseases Seminar Series. Milwaukee, WI, April 19, 2004.
43. AGA Postgraduate Course. The Difficult to Feed Patient. New Orleans, LA, May 20, 2004
44. American Society for Parenteral and Enteral Nutrition. TPN-Associated Liver Disease. Teleconference. July 1, 2004.
45. Surgical Management of Short Bowel Syndrome. AGA Clinical Conversations Series. November 18, 2004.
46. Nutritional Management of Short Bowel Syndrome. AGA Clinical Conversations Series. November 23, 2004.
47. TPN-Associated Liver Disease. Transplantation Grand Rounds. Mt. Sinai School of Medicine, September 16, 2005.
48. The Use of Clonidine in the Management of Diarrhea in the Short Bowel Patient. Digestive Disease Week. Chicago, IL. May 16, 2005.
49. Course Director and Moderator, The Snowbird Course on Inflammatory Bowel Disease and Intestinal Failure. March 10, 2005
50. Nutritional Management of IBD, The Snowbird Course on Inflammatory Bowel Disease and Intestinal Failure. March 10, 2005
51. Capsule Endoscopy in Crohn's Disease, The Snowbird Course on Inflammatory Bowel Disease and Intestinal Failure. March 10, 2005
52. Growth Factors in the Treatment of Short Bowel Syndrome. The Snowbird Course on Inflammatory Bowel Disease and Intestinal Failure. March 10, 2005
53. Dietary Management of Short Bowel Syndrome. The Snowbird Course on Inflammatory Bowel Disease and Intestinal Failure. March 10, 2005
54. Enteral and Parenteral Nutrition in IBD. DDW/CCFA IBD Forum. Chicago, IL. May 16, 2005
55. Clonidine decreases fecal output in patients with a proximal jejunostomy. DDW. Chicago, IL. May 16, 2005
56. Gastroenterology Review. St. Louis Univ, Gastroenterology Board Review for Family Practice. Oak Brook, IL July 16, 2005.
57. Nutrishare 14<sup>th</sup> annual consumer course. New Advances in the Management of Short Bowel Syndrome, San Diego, CA, August 12, 2005

58. Medical Management of Short Bowel Syndrome, Kentucky Society for Enteral and Parenteral Nutrition, Louisville, KY, August 24, 2005
59. Nutritional Management of IBD. Univ Louisville Gastroenterology Grand Rounds, August 25, 2005.
60. Update on the Diagnosis and Management of Inflammatory Bowel Disease. Port Huron, MI, September 13, 2005
61. TPN-Associated Liver Disease, Mt Sinai Medical School, New York, NY, September 14, 2005
62. Nutrition and IBD. University of California, San Diego. San Diego, CA. September 15, 2005
63. Moderator, Nutrition A La Care. American College of Gastroenterology, Honolulu, HI November 1, 2005.
64. Nutritional Assessment. American College of Gastroenterology, Honolulu, HI November 1, 2005.
65. TPN-Associated Liver Disease. Medical College of Virginia, Richmond, VA Gastroenterology Grand Rounds, January 26, 2006
66. Nutritional Management of IBD. Richmond Gut Club. Richmond, VA. January 26, 2006.
67. Medical Management of Short Bowel Syndrome. Medical College of Virginia, Richmond, VA Medical Grand Rounds, January 27, 2006
68. TPN-Associated Liver Disease. Gastroenterology Grand Rounds. Brown University, December 1, 2005
69. Medical Management of Short Bowel Syndrome. Gastroenterology Grand Rounds, St. Louis Univ Medical School, St. Louis, MO, December 8, 2005.
70. TNF Antagonists: Evolution of the Treatment of Inflammatory Bowel Diseases. Gastroenterology Grand Rounds. Long Island University, Jewish Hospital, March 31, 2006
71. Using Biologic and Immunomodulators Safely During Treatment for Inflammatory Bowel Disease. Digestive Disease Week, Los Angeles, CA, May 22, 2006
72. TNF Antagonists: Evolution of the Treatment of Inflammatory Bowel Diseases. Gastroenterology Grand Rounds. Wayne State University, Detroit, MI. January 11, 2006
73. TPN: Poison or Potion for the Liver: Yale University Gastroenterology Grand Rounds. January 17, 2006
74. Medical Management of Short Bowel Syndrome. Stanford University Gastroenterology Grand Rounds. November 2, 2005
75. Gut Hormonal Therapy, Present and Future. Oley Foundation. Dallas, TX, February 11, 2006
76. TPN-Associated Liver Disease. Oley Foundation. Dallas, TX, February 11, 2006
77. 2nd Annual Snowbird Conference on the Clinical Management of IBD and Intestinal Failure. Snowbird, Utah. Catheter-Related Complications of TPN. March 11, 2006
78. 2nd Annual Snowbird Conference on the Clinical Management of IBD and Intestinal Failure. Snowbird, Utah. TPN-Associated Hepatobiliary Disease. March 12, 2006
79. TNF-Antagonists: Evolution of the Treatment in Inflammatory Bowel Diseases. Medical Grand Rounds. The Chicago Medical School, March 22, 2006
80. TNF-Antagonists: Evolution of the Treatment in Inflammatory Bowel Diseases. Medical Grand Rounds. North Shore Hospital, Great Neck, NY, March 30, 2006

81. TNF-Antagonists: Evolution of the Treatment in Inflammatory Bowel Diseases. Medical Grand Rounds. Long Island Jewish Hospital, March 31, 2006
82. Master Classes in Gastroenterology: Controversies in the Management of Crohn's Disease. Portland, OR, June 8, 2006
83. Short Bowel Syndrome and Intestinal Transplantation. Gastroenterology Research Conference. University of Oregon Health Sciences Center. June 9, 2006
84. Short Bowel Syndrome and Intestinal Transplantation. Gastroenterology Grand Rounds. University of Texas Southwestern Medical School, Dallas, TX, June 22, 2006
85. Master Classes in Gastroenterology: Controversies in the Management of Crohn's Disease. Dallas, TX, June 22, 2006
86. The Role of TNF Antagonists in the Treatment of Inflammatory Bowel Disease. Gastroenterology Grand Rounds. Medical College of Georgia, Augusta, GA, July 20, 2006
87. Society for Critical Care Medicine Annual Congress. Glutamine. Orlando, FL, February 19, 2007
88. Growth Factors in IBD. 3<sup>rd</sup> Annual Winter Course on IBD, Intestinal Failure, and Nutrition. Sundance, Utah, March 2, 2007
89. Steps to Avoid Intestinal Transplantation. 3<sup>rd</sup> Annual Winter Course on IBD, Intestinal Failure, and Nutrition. Sundance, Utah, March 2, 2007
90. What Should I Know About Nutrition in Treating Patients with Short Bowel Syndrome." Gastroenterology Grand Rounds. Temple University Medical School, Philadelphia, PA. March 21, 2007
91. A Critical Appraisal of Treatment Modalities for Inflammatory Bowel Disease. Medicine Grand Rounds. Temple University Medical School, Philadelphia, PA. March 21, 2007
92. AGA Press Conference: Nutrition and Gastrointestinal Disease. Washington DC, March 21, 2007
93. Moderator, DDW. Short bowel syndrome, nutrition support, and gut function. Washington DC, March 21, 2007
94. Moderator, AGA Fellows' Course on Nutrition. Rosemont, IL. Nov 8-11, 2007
95. Nutrition and Inflammatory Bowel Disease. AGA Fellows' Nutrition Course. Rosemont, IL November 10, 2007
96. Complications of Parenteral Nutrition, AGA Fellows' Nutrition Course, Rosemont, IL November 10, 2007
97. Workshop: TPN and EN: Indications, Ordering It, and Monitoring the Patients. AGA Fellows' Nutrition Course, Rosemont, IL, November 10, 2007
98. Medical and Legal Issues in Nutrition Support, AGA Fellow's Nutrition Course, Rosemont, IL, November 11, 2007
99. Home Parenteral Nutrition. AGA Fellows' Nutrition Course, Rosemont, IL November 11, 2007
100. Nutrition and IBD. CCFA Clinical Congress. Aventura, Florida. December 7, 2007

### **Regional**

1. Midwest AFMR/CSCR Annual Meeting. Chicago, IL. "Personal and Government Regulation of Nutritional Supplements: What We Want and What We Should Expect. September 8, 2001
2. Crohns and Colitis Foundation. Chicago, IL. "Osteoporosis and IBD". September 25,

2001

3. Northwestern University Medical School/Northwestern Memorial Hospital. Chicago, IL. Endoscopic Assessment of IBD. October 13, 2001
4. Northwestern University Medical School/Northwestern Memorial Hospital. Chicago, IL. "Immunomodulator Therapy in IBD." October 13, 2001
5. Northwestern University Medical School/Northwestern Memorial Hospital. Chicago, IL. "Nutritional Management of IBD and Short Bowel Syndrome." October 13, 2001
6. Northwestern University Medical School/Northwestern Memorial Hospital. Chicago, IL. "Bone Disease in IBD." October 13, 2001
7. Gastroenterology Grand Rounds. Lutheran General Hospital, Park Ridge, IL. Complications of Long Term Parenteral Nutrition. November 7, 2001
8. Medicine Grand Rounds. Evanston Northwestern Healthcare (Evanston Hospital), Evanston, IL. Medical Management of the Short Bowel Patient and Intestinal Transplantation. November 16, 2001
9. Crohns and Colitis Foundation. Chicago, IL. "Osteoporosis in Women and Children - Beating Bone Loss." November 17, 2001
10. Crohns and Colitis Foundation. Chicago, IL. "Understanding Malabsorption and Nutritional Needs of IBD." November 17, 2001
11. Astra-Zeneca, Merrillville, IN. "Treatment Options for Mild to Moderate Crohn's Disease." November 28, 2001
12. Lutheran General Hospital, Park Ridge, IL. Medical Grand Rounds. Medical Management of the Short Bowel Patient and Intestinal Transplantation. December 5, 2001
13. Astra-Zeneca, Rockford, IL.. "Treatment Options for Mild to Moderate Crohn's Disease." December 11, 2001
14. Thorek Hospital. Chicago, IL. "Update on IBD." February 13, 2002
15. Northwestern University Medical School Update in Inflammatory Bowel Disease for the clinician. Bones and Crohns. April 8, 2002
16. Northwestern University Medical School Update in Inflammatory Bowel Disease for the Clinician. Nutrition and IBD April 8, 2002
17. Northwestern University Medical School Update in Inflammatory Bowel Disease for the Clinician. Video capsule endoscopy and clinical research at Northwestern. April 8, 2002
18. Update on Gastrointestinal Disease: Highlights and Insights from DDW 2002. Nutrition and IBD. Chicago, IL July 15, 2002
19. Illinois Masonic Medical Center. Medical Grand Rounds. Chicago, IL. New advances in the diagnosis and treatment of Crohn's disease. August 14, 2002
20. Rush-Copley Medical Center. Medical Grand Rounds. Aurora, IL. New advances in the diagnosis and treatment of Crohn's disease. November 4, 2002
21. Loyola University Medical Center. Medical Management of the Short Bowel Patient and Intestinal Transplantation. November 5, 2002
22. Crohn's and Colitis Foundation. Rosemont Convention Center, Rosemont, IL Video capsule endoscopy: new diagnostic modalities in Crohn's disease. November 23, 2002
23. Northwestern University Medical School. The Year in Review, Internal Medicine Review Course. Video Capsule Endoscopy. January 31, 2003.
24. Thorek Hospital Grand Rounds. Chicago, IL The Medical Management of Short Bowel Syndrome. February 14, 2003

25. The Treatment of Mild to Moderate Crohns Disease. Oak Brook, IL. April 11, 2003.
26. Medical Management of Intestinal Failure: It's not just TPN. Dimensions in Intestinal Transplantation Conference. Northwestern Memorial Hospital. Chicago, IL June 4, 2003.
27. Medical Management of Intestinal Failure: It's not just TPN. 1<sup>st</sup> annual Difficult to Treat Gastrointestinal Disorders. Dimensions in Intestinal Transplantation Conference. Northwestern Memorial Hospital. Chicago, IL June 28, 2003.
28. Videocapsule Endoscopy of the Small Intestine. Crohns and Colitis Foundation of America. Rosemont, IL. November 8, 2003
29. Oley Foundation Regional Meeting. Nutritional Management of Short Bowel Syndrome. Chicago, November 13, 2004.
30. Crohns and Colitis Foundation Annual Meeting. Nutritional Management of Crohns Disease: Myths and Facts. Elgin, IL. December 7, 2004.
31. Crohns and Colitis Foundation. Videocapsule Endoscopy: Use in Crohn's Disease. Rosemont, IL. February 19, 2005.
32. Crohns and Colitis Foundation. Nutrition and IBD: Facts and Fantasy. Rosemont, IL February 19, 2005.
33. Course Director, IBD for the Primary Care Physician. Chicago, IL, April 9, 2005.
34. Endoscopic Assessment of IBD, IBD for the Primary Care Physician. Chicago, IL, April 9, 2005
35. Nutritional Issues with IBD, IBD for the Primary Care Physician. Chicago, IL, April 9, 2005.
36. Extraintestinal manifestations of IBD., IBD for the Primary Care Physician. Chicago, IL. April 9, 2005.
37. Bone Disease in IBD, IBD for the Primary Care Physician. Chicago, IL, April 9, 2005. Crohns and Colitis Foundation. Nutritional Management of Crohns Disease. Hinsdale Hospital, Hinsdale IL.. May 6, 2005.
38. Crohns and Colitis Foundation. Nutritional Management of Crohns Disease. Alexion Brothers Hospital, Elgin, IL.. May 26, 2005.
39. Medical Management of Short Bowel Syndrome. Chicago Society for Parenteral and Enteral Nutrition, October 16, 2005
40. 3<sup>rd</sup> Difficult to Manage Gastrointestinal Problems. Anti-Cytokine Therapy in IBD - 2006. Chicago, IL, April 22, 2006
41. 3<sup>rd</sup> Difficult to Manage Gastrointestinal Problems. Growth Factors in the Management of Short Bowel Syndrome. Chicago, IL, April 22, 2006
42. Oley Foundation Regional Workshop. Complications of Parenteral Nutrition. Indianapolis, IN. September, 9, 2006
43. Christ Hospital, Medical Grand Rounds. Medical Management of Short Bowel Syndrome and Intestinal Transplantation. Oak Lawn, IL. September 14, 2006
44. Lutheran General Hospital, Gastroenterology Research Conference. Nutrition and IBD. Park Ridge, IL. September 27, 2006

#### **Local**

1. Northwestern University Medical School. "Nutritional Supplements." Scientific Basis of Medicine Course. February 7, 2001
2. Northwestern University Medical School. "Inflammatory Bowel Disease." Scientific

- Basis of Medicine Course. February 8, 2001
3. Northwestern University Medical School. "Inflammatory Bowel Disease Case Discussion." Scientific Basis of Medicine Course. February 8, 2001
  4. Northwestern University Medical School. "Short Bowel Syndrome." Gastroenterology Summer Lecture Series. August 1, 2001
  5. Northwestern University Medical School. "Nutrition/Malabsorption." Gastroenterology Summer Lecture Series. July 24, 2002
  6. Northwestern University Medical School. "Inflammatory Bowel Disease." Scientific Basis of Medicine Course. February 8, 2002
  7. Northwestern University Medical School. "Inflammatory Bowel Disease Case Discussion." Scientific Basis of Medicine Course. February 8, 2002
  8. Northwestern University Medical School. "Inflammatory Bowel Disease." Scientific Basis of Medicine Course. February 3, 2003
  9. Northwestern University Medical School. "Inflammatory Bowel Disease Case Discussion." Scientific Basis of Medicine Course. February 3, 2003
  10. Northwestern University Medical School. Diet in the Treatment of Short Bowel Syndrome Interdisciplinary Course. May, 2003
  11. Northwestern University Medical School. Diet in the Treatment of Short Bowel Syndrome Interdisciplinary Course. November 14, 2003
  12. Northwestern University Medical School. Diet in the Treatment of Short Bowel Syndrome Interdisciplinary Course. May 14, 2004
  13. Northwestern University Medical School. Endocrinology Fellows Conference. Principles of TPN. January 9, 2004.
  14. Northwestern University Medical School. Scientific Basis of Medicine Course. Inflammatory Bowel Disease. January 30, 2004
  15. Malabsorption and Short Bowel Syndrome. Gastroenterology Summer Lecture Series. July 28, 2004.
  16. Northwestern University Medical School. Diet in the Treatment of Short Bowel Syndrome Interdisciplinary Course. January 31, 2005
  17. Northwestern University Medical School. Diet in the Treatment of Short Bowel Syndrome Interdisciplinary Course. April 15, 2005
  18. Northwestern University Medical School. Gastroenterology Summer Lecture Series. Short bowel syndrome and intestinal Transplantation, August 16, 2005.
  19. Clinical Nutritional Management. IDC course. August 19, 2005
  20. Inflammatory Bowel Disease. 2<sup>nd</sup> year Scientific Basis of Medicine. January 19, 2006
  21. Inflammatory Bowel Disease. 2<sup>nd</sup> year Scientific Basis of Medicine. January 24, 2007

November 1, 2007

