

Curriculum Vitae and Bibliography

Ryan T Hurt, MD, PhD

1. Personal Information

Place of Birth: Rochester, Minnesota
Citizenship: United States of America

2. Present Academic Rank and Position

Consultant - Division of General Internal Medicine, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota 11/2012 - Present

Consultant (Joint Appointment) - Division of Gastroenterology and Hepatology, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota 11/2012 - Present

Director - Home Parenteral and Enteral Nutrition, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota 12/2012 - Present

Consultant (Joint Appointment) - Division of Endocrinology, Diabetes, Metabolism, Nutrition, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota 07/2013 - Present

Associate Professor of Medicine - Mayo Clinic College of Medicine and Science 06/2014 - Present

3. Education

Hamline University, St. Paul, Minnesota - BA, Biology & Psychology 1996

Murray State University, Murray, Kentucky - MS, Biology 2000

University of Louisville School of Medicine, Louisville, Kentucky - MD, Medicine 2005

University of Louisville - Resident 07/2005 - 06/2008

University of Louisville - Chief Resident 07/2008 - 06/2009

University of Louisville, Louisville, Kentucky - MS, Physiology and Biophysics 2009

University of Louisville, Louisville, Kentucky - Ph.D., Physiology and Biophysics 2010

4. Certification

Board Certifications

American Board of Internal Medicine (ABIM)

Internal Medicine 2008 - Present

Mayo Clinic Quality Academy

Mayo Clinic Quality Fellow: Bronze Level Certification 2010

Mayo Clinic Quality Fellow: Silver Level Certification 2015

5. Licensure

Minnesota Minnesota Medical License 51495 (Medical)

Minnesota NPI 1578603163 (Medical)

Kentucky Kentucky Medical License 41631 (Medical)
 Minnesota DEA License (Other)

6. Honors and Awards

Beta Beta Beta (National Biological Honor Society) - Hamline University	01/1994
Dean's List - Hamline University	01/1994 - 01/1996
Psi Chi (National Psychology Honor Society) - Hamline University	01/1995
Teaching Assistant of the Year - Murray State University - Department of Biology	01/1998 - 01/1999
Finalist Resident Research Competition - 26th Annual Meeting of the Association of VA Surgeons Houston, Texas	01/2002
Finalist Resident Research Competition - 27th Annual Meeting of the Association of VA Surgeons Nashville, Tennessee	01/2003
Medical Student Scholarship - American Association for the Surgery of Trauma	01/2003
Dr. Norvin Green Memorial Award, (Given for the best research paper or thesis by a medical student) - University of Louisville School of Medicine	01/2005
Most Outstanding Resident-Department of Internal Medicine, University of Louisville - Kentucky Chapter ACP-ASIM	01/2005 - 01/2006
Community General Internal Medicine Award, Most Outstanding Resident Performance in the Community GIM Rotation - Department of Internal Medicine, University of Louisville	01/2006 - 01/2007
Poster of Distinction (top 10% of accepted poster presentations) at the Digestive Disease Week, Los Angeles - American Association for the Study of Liver Diseases	03/2006
Outstanding Senior Resident - Department of Internal Medicine, University of Louisville	01/2007 - 01/2008
First Place for Research - American College of Physicians, Kentucky Chapter Annual Meeting	09/2007
Excellence in Clinical Education Award, Outstanding resident teacher during the third year medicine clerkship - University of Louisville School of Medicine	01/2008
Member - Alpha Omega Alpha Honor Medical Society	01/2008
Member (top 10% of graduating students) - University of Louisville Chapter, Golden Key International Honour Society	10/2008
Member (top 10% graduate students) - Phi Kappa Phi, Honor Society, University of Louisville Chapter	05/2009
Award, Excellence in teaching and role model for professionalism and humanism, as chosen by the third year medical school class - University of Louisville School of Medicine	06/2009
Recognition for Excellence in Residency Teaching (top 20% of resident rated educators 2009-2010) - Mayo Internal Medicine Residency - Internal Medicine Residency Program, Department of Internal Medicine, Mayo Clinic	10/2010
Recognition for Excellence in Residency Teaching (top 20% of resident rated educators 2010-2011) - Mayo Internal Medicine Residency - Internal Medicine Residency Program, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota	10/2011

Recognition for Excellence in Residency Teaching (top 20% of resident rated educators 2011-2012) - Mayo Internal Medicine Residency - Internal Medicine Residency Program, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota	10/2012
Fellow - American College of Physicians	07/2013
Recognition for Excellence in Residency Teaching (top 20% of resident rated educators 2012-2013) - Mayo Internal Medicine Residency - Internal Medicine Residency Program, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota	10/2013
Mayo Model of Care - General Internal Medicine	11/2013
Teamwork Award, Home Parenteral and Enteral Nutrition - Department of Medicine, Mayo Clinic, Rochester, Minnesota	2014

7. Military Service

8. Previous Professional Positions and Major Appointments

Graduate Teaching Assistant - Department of Biology, Murray State University, Kentucky	08/1996 - 05/1999
Research Tech III - University of Louisville School of Medicine, Kentucky	08/1999 - 09/2001
NIH Summer Research Scholar - College of Medicine, University of Louisville, Kentucky	07/2002 - 09/2002
Urgent Care Physician - Immediate Care Center, Glasgow, Kentucky (2-3 weekends per month)	10/2006 - 10/2008
Instructor - University of Louisville School of Medicine, Kentucky	2008 - 2009
Attending Physician, University of Louisville, Department of Medicine, Resident Continuity Clinic. - University of Louisville School of Medicine, Kentucky (2 clinics per week)	07/2008 - 06/2009
Hospitalist - Norton Inpatient Specialists - Jewish Hospital, Shelbyville, Kentucky (2-3 weekends per month)	07/2008 - 07/2009
Attending Physician, University of Louisville, Department of Medicine, General Medicine Wards - University of Louisville School of Medicine, Kentucky (3 months March, May, July and 1 weekend per month).	07/2008 - 07/2009
Nutritional Clinical Experience, University of Louisville, Department of Medicine - University of Louisville School of Medicine, Louisville, Kentucky Mentor: Stephen A. McClave, M.D.	01/2009 - 08/2009
Assistant Clinical Professor - College of Medicine, Division of General Internal Medicine, University of Louisville, Louisville, Kentucky	2009 - 2014
Senior Associate Consultant - Division of General Internal Medicine, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota	08/2009 - 11/2012

Assistant Professor of Medicine - Mayo Clinic College of Medicine and Science 11/2009 - 05/2014

Senior Associate Consultant (Joint Appointment) - Division of Gastroenterology and Hepatology, Department of Internal Medicine, Mayo Clinic, Rochester, Minnesota 08/2012 - 11/2012

9. Professional and Community Memberships, Societies, and Services

Professional Memberships and Services

American College of Physicians

Student Member	01/2002 - 01/2005
Associate Member	01/2005 - 2009
Member	2009 - 06/2013
Fellow	07/2013 - Present
Associate Leadership Network, University of Louisville, Department of Internal Medicine	
Representative	01/2006 - 01/2009
Leadership Day, Washington D.C.	
Kentucky Resident Representative	05/2007
Kentucky Resident Representative	05/2008
Kentucky Resident Representative	05/2009
Minnesota Representative	05/2010

American Medical Association

Student Member	01/2001 - 01/2005
Resident Member	01/2005 - 01/2008
Regular Member	01/2008 - Present

American Osler Society

Member	01/2015 - Present
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American Physiological Society

Member	2010 - Present
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American Society for Nutrition

Member	2011 - Present
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American Society for Parenteral and Enteral Nutrition

Member	01/2007 - Present
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Monitoring Committee

Member	01/2009 - 01/2011
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Nutritional Education National Task Force

Task Force Member	2011 - 2014
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Kentucky Chapter, Kentucky Society of Parenteral and Enteral Nutrition

President	07/2015 - 06/2017
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Kentucky Society of Parenteral and Enteral Nutrition

Member	2011 - Present
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Kentucky Society of Parenteral and Enteral Nutrition, Planning Committee

Member	2014 - Present
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Minnesota Medical Association Member	2009 - Present
Zumbro Valley Medical Society Member	2009 - Present
Society of General Internal Medicine Member	01/2008 - 2014
The Obesity Society Member	2010 - 2016

Journal Editorial Responsibilities

International Journal of Academic Medicine Section Editor	08/2015 - Present
Nutrition in Clinical Practice Contributing Editor	11/2015 - Present

Journal Other Responsibilities

Addiction Reviewer	08/2017 - Present
American Journal of Clinical Nutrition Reviewer	09/2017 - Present
Brazilian Journal of Medical and Biological Research Reviewer	09/2017 - Present
Drug and Alcohol Dependence Journal Reviewer	2016 - Present
JAMA Dermatology (Formerly Archives of Dermatology) Reviewer	06/2011 - Present
Journal of Palliative Care Peer Reviewer	09/2017 - Present
Journal of Parenteral and Enteral Nutrition Reviewer	10/2008 - Present
Journal of the American Medical Association Reviewer	2015 - Present
Mayo Clinic Proceedings Reviewer	2013 - Present
Nutrition in Clinical Practice Reviewer	10/2008 - Present
Nutrition Research Reviewer	2015 - Present

10. Educational Activities

A. Curriculum and Course Development

Resident Didactic Curriculum Assisted in the revision of the internal medicine core curriculum for residents. University of Louisville Kentucky, Kentucky	2008 - 2009
Professor Rounds Developed a monthly lectureship for University of Louisville well known faculty to present interesting topics to medicine residents University of Louisville Kentucky, Kentucky	2008 - 2009
Internal Medicine Morning Report Revised and implemented morning report for 20 to 30 medical students, residents, and attendings daily University of Louisville Kentucky, Kentucky	2008 - 2009
Medical Journal Club Revised and implemented weekly journal club at University of Louisville University of Louisville Kentucky, Kentucky	2008 - 2009
Internal Medicine 3rd Clerkship Rotation Revised the didactic lectures given by the chief medical resident. These lectures were weekly and topics included ECG interpretation, chest x-ray reading, and acid base physiology University of Louisville Kentucky, Kentucky	2008 - 2009
Nestle Nutrition Clinical Fellowship Develop and implement the core nutrition curriculum for six fellows per year University of Louisville Portland, Oregon	01/2013 - Present
Nestle Nutrition Clinical Fellowship Develop and implement the core nutrition curriculum for six fellows per year Oregon Health and Sciences University Portland, Oregon	2013 - Present
Nutrition Curriculum Developed curriculum for 2nd year medical students in the areas of malnutrition and obesity Mayo Medical School	2017 - Present
Preconference ICU Nutrition Course Helped develop the symposium for roughly 200 participants focused on current and controversial topics in ICU nutrition Clinical Nutrition Week ASPEN 2017	02/2017 - Present

B. Teaching - Intramural

Concepts of Biology Lab (Bio 199) Didactic Course, Graduate Teaching Assistant Murray State University Murray, Kentucky	1996 - 1999
Principles of Ecology Lab (Bio 330) Didactic Course, Graduate Teaching Assistant Murray State University Murray, Kentucky	1996 - 1999
Human Anatomy Lab (Bio 228) Didactic Course, Graduate Teaching Assistant Murray State University Murray, Kentucky	1999
Hospital Attending, Inpatient Internal Medicine Resident Service, 3 months 2008-2009 University of Louisville and VA Hospitals Louisville, Kentucky	2008 - 2009
Resident Continuity Clinic 2 half days a week University of Louisville and VA Hospitals Louisville, Kentucky	2008 - 2009
Internal Medicine Clerkship (Med 901) Didactic Course, Instructor of Medicine. Gave required weekly seminars to the 3rd year medical students on ECG interpretation, CXR basics, and Acid-Base Physiology University of Louisville School of Medicine Louisville, Kentucky	2008 - 2009
Human Physiology (Phy 801) Didactic Course, Instructor of Medicine. Instructor with patient simulation center covering topics such as cardiac murmurs, sepsis, and shock. University of Louisville School of Medicine Louisville, Kentucky	2008 - 2009
Introduction to Clinical Medicine II (IDEP-816) Didactic Course, Instructor of Medicine. Gave didactic ECG interpretation lecture for 2nd year medical students. University of Louisville School of Medicine Louisville, Kentucky	2009
Advanced Doctoring 4 weeks per year Mayo Medical School Rochester, Minnesota	2010 - 2013

Internal Medicine Resident Core Curriculum Give lectures on nutrition for all residents who rotate on the GI service, every six weeks Mayo Medical School Rochester, Minnesota	2012 - Present
GIH Fellows Core Curriculum Gave lecture on Enteral Nutrition Mayo Medical School Rochester, Minnesota	05/2013
The History of Refeeding Syndrome and Malnutrition: From Napoleon to Bergen-Belsen Willius Society - Mayo Clinic History of Medicine Society	08/13/2014
Malnutrition, EN and PN, and Refeeding Syndrome Mayo Medical School Rochester, Minnesota	01/31/2017

C. Mentorship

Individual and Position	Timeframe	Outcomes	Current Status
Gopathi, Swapna Internal Medicine Resident	1/2008 - 1/2009	Gopathi S, Hurt RT, Guardiola J. Intracardiac thrombus in Behcet's disease: A rare case in the United States. Respiratory Medicine CME. 2011; 4 (4):154-6.	Hospitalist, Private Practice, Houston, TX
Jarboe, Jamie Internal Medicine Resident	1/2008 - 1/2009 Residency Internal Medicine, University of Louisville, Louisville, KY Fellowship Hematology/Oncology, Tufts University, Boston, MA	1. Jarboe JB, Hurt RT. Pulmonary alveolar proteinosis. American College of Physicians, Associate Clinical Vignette Competition, First Place, Kentucky Chapter, Louisville, KY, September 2008 2. Jarboe JB, Hurt RT. Pulmonary alveolar proteinosis. American College of Physicians, Associate Clinical Vignette Competition, Finalist National Competition, Philadelphia, PA, April 2009	Hematologist/Oncologist, Private Practice, Bowling Green, KY

Kulisek, Chris Internal Medicine Resident	1/2008 - 1/2012 Residency Internal Medicine, University of Louisville, Louisville, Kentucky Fellowship Gastroenterology, University of Louisville, Louisville, Kentucky	1. Hurt RT, Kulisek C, Buchanan L, McClave SA. 2010. The obesity epidemic: challenges, health initiatives, and implications for gastroenterologists. Gastroenterology and Hepatology. Dec 6(12): 780- 792 2. Hurt RT, Frazier TH, McClave SA, Crittenden NE, Kulisek C, Saad M, Franklin GA. Stress prophylaxis in intensive care unit patients and the role of enteral nutrition. JPEN J Parenter Enteral Nutr. 2012 Nov; 36 (6):721-31. Epub 2012 Mar 12.	Gastroenterology, Private Practice, Knoxville, TN
Azeem, Nabeel Internal Medicine Resident	1/2010 - 1/2011	Hurt RT, McClave SA, Azeem N, Cole SE, Wetzel D, Khambatta S. 2011. Understanding the clinical issues involved with glycemic control in the intensive care unit. Current Gastroenterology Reports.	Gastroenterology Fellow, University of California, San Francisco (UCSF)
Minhas, Mahad Undergraduate Student	6/2011 - 7/2012 MPH, Dartmouth College, Rhode Island Mayo Clinic summer research student, Division of General Internal Medicine	Hurt RT, McClave SA, Evans DC, Jones C, Miller KR, Frazier TH, Minhas MA, Lowen CC, Stout A, Edakkanambeth Varayil J, Matheson PJ, Franklin GA. Targeted Physician Education Positively Affects Delivery of Nutrition Therapy and Patient Outcomes: Results of a Prospective Clinical Trial. JPEN J Parenter Enteral Nutr. 2015 Nov; 39(8):948-52. Epub 2014 Jul 4 PMID: 24997175 DOI: 10.1177/0148607114540332	University of Minnesota Medical Student

Bonnes, Sara Senior Associate Consultant	1/2012 - Present Chief Medical Resident, Mayo Clinic, Rochester, MN	<ol style="list-style-type: none"> 1. Mundi MS, Vallumsetla N, Davidson JB, McMahon MT, Bonnes SL, Hurt RT. Use of Home Parenteral Nutrition in Post-Bariatric Surgery-Related Malnutrition. JPEN J Parenter Enteral Nutr 2016 May 13 [Epub ahead of print] PMID: 27208038 DOI: 10.1177/0148607116649222 2. Mundi MS, Edakkanambeth Varayil J, McMahon MT, Okano A, Vallumsetla N, Bonnes SL, Andrews JC, Hurt RT. Accuracy of Intravenous Electrocardiography Confirmation of Peripherally Inserted Central Catheter for Parenteral Nutrition. Nutr Clin Pract 2016 Apr; 31(2):207-10 Epub 2016 Feb 05 PMID: 26850037 DOI: 10.1177/0884533615621548 	Assistant Professor, Mayo Clinic, Rochester, MN
Edakkanambeth Varayil, Jithinraj Research Fellows and Scientists	1/2012 - 7/2015 Assistant Professor, Department of Medicine, Mayo Clinic College of Medicine	<ol style="list-style-type: none"> 1. Edakkanambeth Varayil J, Yadav S, Miles JM, Okano A, Kelly DG, Hurt RT, Mundi MS. Hyperglycemia During Home Parenteral Nutrition Administration in Patients Without Diabetes. JPEN J Parenter Enteral Nutr. 2015 Sep 21. PMID: 26392165 DOI: 10.1177/0148607115606116 2. * Davidson JB, Edakkanambeth Varayil J, Okano A, Whitaker JA, Bonnes SL, Kelly DG, Mundi MS, Hurt RT. Prevention of Subsequent Catheter-Related Bloodstream Infection Using Catheter Locks in High-Risk Patients Receiving Home Parenteral Nutrition. JPEN J Parenter Enteral Nutr. 2015 Sep 02. PMID: 26334797 DOI: 10.1177/0148607115604118 3. * Edakkanambeth Varayil J, Whitaker JA, Okano A, Carnell JJ, Davidson JB, Enzler MJ, Kelly DG, Mundi MS, Hurt RT. Catheter Salvage After Catheter-Related Bloodstream 	Family Practice Residency, University of Illinois, Rockford IL

Infection During Home Parenteral Nutrition. JPEN J Parenter Enteral Nutr. 2015 May 13. PMID: 25972432 DOI: 10.1177/0148607115587018

4. * Edakkanambeth Varayil J, Mundi MS, Hurt RT. The Current Role of Parenteral Nutrition in the Hospitalized Patient. Current Surgical Reports. 2015; 3(23). [Epub ahead of print] DOI: 10.1007/s40137-015-0102-5

5. * Edakkanambeth Varayil J, Bauer BA, Hurt RT. Over-the-counter enzyme supplements: what a clinician needs to know. Mayo Clin Proc. 2014 Sep; 89(9):1307-12. Epub 2014 Aug 04. PMID: 25103998 DOI: 10.1016/j.mayocp.2014.05.015

6. * Edakkanambeth Varayil J, Hurt RT, Kelly DG. How hyperalimentation may be necessary to reverse severe malnutrition in selected patients receiving home parenteral nutrition. Nutr Clin Pract. 2014 Apr; 29(2):229-33. Epub 2014 Feb 25. PMID: 24569792 DOI: 10.1177/0884533614522833

Gentile, Nicole
Internal Medicine Resident 1/2013

Gentile NM, McKenzie KM, Hurt RT. Two rare forms of hepatocellular carcinoma metastases. BMJ Case Rep. 2013; 2013. Epub 2013 Jun 10

Internal Medicine Resident, Mayo Clinic, Rochester, MN

Tripathi, Sandeep Associate Consultant	1/2013 - 12/2016	Senior Associate Consultant, Pediatric and Adolescent Medicine	1. Tripathi S, Kaur H, Edakkanambeth Varayil J, Hurt RT. Effects of enteral nutrition on clinical outcomes among mechanically ventilated and sedated patients in the pediatric intensive care unit <i>Signa Vitae</i> 2015 Dec; 10 (2):8 2. Edakkanambeth J, Kaur H, Tripathi S, Hurt R. Effect of opioids and benzodiazepines on tolerance of enteral nutrition in picu. <i>Crit Care Med.</i> 2014 Dec; 42 (12):A1442. 3. Kaur H, Edakkanambeth J, Tripathi S, Hurt R. Association of early enteral nutrition delivery and clinical outcome in critically ill children. <i>Crit Care Med.</i> 2014 Dec; 42 (12):A1442.	Assistant Professor of Clinical Pediatrics, University of Illinois College of Medicine, Peoria, IL
Mueller, Kirsten Undergraduate Student	6/2013 - 9/2013		* Mueller KG, Hurt RT, Abu-Lebdeh HS, Mueller PS. Self-perceived vs actual and desired weight and body mass index in adult ambulatory general internal medicine patients: a cross sectional study. <i>BMC Obes.</i> 2014; 1:26. Epub 2014 Dec 12 PMID: 26217512 PMCID: 4511430 DOI: 10.1186/s40608-014-0026-0	PhD Student Mayo Clinic Graduate School
Davidson, Jacob Research Assistant	6/2013 - 3/2017			Undergraduate Student, St. Olaf College, Northfield, MN
Mundi, Manpreet Associate Professor	1/2014 - Present			Associate Professor of Medicine, Mayo Clinic, Rochester, MN
Salonen, Bradley Consultant	1/2016 - Present		Published article. A Prospective Double Blind Randomized Controlled Study on the Use of Ethanol Locks in HPN Patients. May 2017	Staff Consultant, Division of General Internal Medicine, Mayo Clinic, Rochester, Minnesota

D. Academic Career Development

Career and Leadership Development Module IA--New Staff Orientation	04/2010
Career and Leadership Development Presentation Skills	06/2010
Faculty Enhancement and Education Development Program, Certificate in Core Clinical Teaching Department of Internal Medicine Residency Program, Mayo Clinic	2011
Career and Leadership Development Publishing Your Research	04/2011
Career and Leadership Development Module IB--Personal Development MBTI/Professionalism	09/2011
Career and Leadership Development Module 1C (Day One)--Crucial Conversations	10/2012
Career and Leadership Development Module 1C (Day Two)--Communication in Healthcare and Cross Cultural Communication	10/2012

11. Institutional/Departmental Administrative Responsibilities, Committee Memberships, and Other Activities**Mayo Clinic**

Home Enteral Nutrition Operations Exec Team Member	08/2013 - 2016
Mayo Clinic Center for Individualized Medicine Individualized Medicine Clinic Work Group Member	2012
Mayo Clinic Center for the History of Medicine Executive Committee Member	2012 - Present

Mayo Clinic in Rochester

Department of Internal Medicine Division of General Internal Medicine GIM Faculty Development Committee Member	2012 - Present
Research Committee Member	2013 - Present
Enteral Feeding Oversight Team Member	12/2012 - 06/2013

Home Enteral Nutrition Steering Committee Chair	08/2013 - 2016
Home Enteral Nutrition Steering Exec Group Chair	08/2013 - 2016

12. Presentations Extramural

National or International

Protein Summit Recommendations Kentucky Society for Parenteral and Enteral Nutrition Louisville, Kentucky	06/02/2017
Utilizing Imagery for Outpatient Nutritional Assessment Kentucky Society for Parenteral and Enteral Nutrition Louisville, Kentucky	06/02/2017
Long Term Use of Mixed Oil Lipid Emulsion in Adult Home Parenteral Nutrition Patients: A Case Study 39th ESPEN Congress on Clinical Nutrition and Metabolism The Hague, Netherlands	09/08/2017
Prevalence of Home Parenteral and Enteral Nutrition in the United States 39th ESPEN Congress on Clinical Nutrition and Metabolism The Hague, Netherlands	09/08/2017

Invited

The Relationship Between Home Range and Speciation Rate in North American Mammals 57th Meeting of the Society of Vertebrate Paleontology Chicago, Illinois	10/1997
The Aries and Rick Forrester Rodent Local Faunas (Early Pleistocene) Meade County, Kansas 58th Meeting of the Society of Vertebrate Paleontology Snowbird, Utah	10/1998
Late Pliocene and Early Pleistocene Rodents from the Northern Borchers Badlands (Meade County, Kansas) 60th Meeting of the Society of Vertebrate Paleontology Mexico City, Mexico	10/2000
Pentoxifylline Reduces Contraction in Normal but Enhances Contraction in Acute Hemorrhage/Resuscitation by Altering Alpha-1 Receptor Induced Nitric Oxide	06/2001

24th Meeting of the Shock Society
Marco Island, Florida

Chronic Feeding with Immune-Enhancing Enteral Diet Selectively Increases Pro-Inflammatory Cytokines and Blood Flow to the Ileum 04/2002
26th Scientific Symposium of the Association of VA Surgeons
Houston, Texas

A Novel Method of Peritoneal Resuscitation Improves Organ Perfusion After Resuscitation from Hemorrhagic Shock 05/2003
27th Scientific Symposium of the Association of VA Surgeons
Nashville, Tennessee

Immune-Enhancing Diet Promotes Immune Response During Chronic Sepsis in Rats 05/2005
Digestive Disease Week, (Society for Surgery of the Alimentary Tract)
Chicago, Illinois

Hemorrhage-induced Splanchnic Injury and Dysfunction can be Prevented by Direct Peritoneal Resuscitation 05/2006
Digestive Disease Week, (American Association for the Study of Liver Diseases)
Los Angeles, California

Early Feeding in Acute Pancreatitis in Rats 05/2007
Digestive Disease Week,
(American Gastroenterology Association)
Washington, District of Columbia

Hemorrhage-induced Liver Hypoperfusion is Prevented by Direct Peritoneal Resuscitation 05/2008
American College of Physicians Annual Meeting
Washington, District of Columbia

The Immunutrient Fish Oil Increases Blood Flow in the Ileum During Chronic Feeding in Rats 05/2008
Digestive Disease Week (Society for the Surgery of the Alimentary Tract)
San Diego, California

Obesity, ICU Outcomes, and the Potential Use of Pharmaconutrition. 02/2010
ASPEN (American Society of Parenteral and Enteral Nutrition)
Las Vegas, Nevada

Obesity and ICU Outcomes 06/11/2010
Kentucky Society of Enteral and Parenteral Nutrition
Louisville, Kentucky

Is Obesity Beneficial or Detrimental in the ICU Setting (MICU vs SICU) 11/12/2010
Obesity in Critical Care Workshop

Las Vegas, Nevada

Obesity Epidemic: Overview, Pathophysiology, and Complications that Impact Critical Illness 11/12/2010

Obesity in Critical Care Workshop
Las Vegas, Nevada

Pharmac nutrition for the Obese Critically Ill Patient 11/12/2010

Obesity in Critical Care Workshop
Las Vegas, Nevada

The Trial of Charles W. Malchow, an Early Case of the Comstock Act 05/04/2011

The American Osler Society
Philadelphia, Pennsylvania

The Use of L-arginine in Sepsis in the Critically Ill Patient 06/05/2011

Kentucky Society of Enteral and Parenteral Nutrition
Louisville, Kentucky

Healthy Eating 06/2012

American Society for Parenteral and Enteral Nutrition, Nutrition Course for Fellows
Sanibel island, Florida

Nutrition in Renal Disease 06/2012

American Society for Parenteral and Enteral Nutrition, Nutrition Course for Fellows
Sanibel island, Florida

Obesity 06/2012

American Society for Parenteral and Enteral Nutrition, Nutrition Course for Fellows
Sanibel island, Florida

The Use of L-Arginine for Obesity 06/2012

KYSPEN
Kentucky

Obesity Management - What is the Evidence? 02/2013

Selected Topics in Internal Medicine
Hawaii

Home Parenteral/Enteral Nutrition (HPEN): The Mayo Clinic Experience 06/2013

KYSPEN
Kentucky

Incidence of Metabolic Bone Disease in Home Parenteral Nutrition Dependent 09/02/2013

Patients with Short Bowel Syndrome
European Society for Parenteral and Enteral Nutrition
Leipzig, Germany

Advance Directives in Patients on Home Parenteral Nutrition American Society for Parenteral and Enteral Nutrition (A.S.P.E.N) Savannah, Georgia	01/2014
Advance Directives in Patients with Amyotrophic Lateral Sclerosis (ALS) on Home Enteral Nutrition (HEN) American Society of Parenteral and Enteral Nutrition (A.S.P.E.N) Savannah, Georgia	01/2014
The History of Starvation Research & Refeeding Syndrome: From Napoleon to Bergen-Belsen 43rd Annual Meeting of The American Osler Society Oxford, England	05/12/2014
Obesity Epidemic - Office Management? The 19th Annual Medical and Surgical Approaches to GI Disorders Kiawah Island, South Carolina	07/14/2014
Short Bowel - How Short is Too Short? The 19th Annual Medical and Surgical Approaches to GI Disorders Kiawah Island, South Carolina	07/15/2014
Genetic Basis for Obesity Clinical Nutrition Week (ASPEN) Long Beach, California	02/13/2015
And You'll Need a Tube and/or a Catheter to Get There! The Oley Foundation, 30th Annual Consumer/Clinician Conference Saratoga Springs, New York	06/30/2015
Navigating the New ISO Connectors The Oley Foundation, 30th Annual Consumer/Clinician Conference Saratoga Springs, New York	06/30/2015
Integrative Medicine for Obesity Complimentary and Integrative Medicine Wisconsin Dells, Wisconsin	07/10/2015
Probiotics	11/10/2016 - 11/12/2016
Updates in Integrative Medicine and Health	
Microbiome: Does Microbiome Shape Us in Critical Illness ASPEN Clinical Nutrition Week 2017	02/18/2017

Regional

Probiotics for the Primary Care Provider
Integrative Medicine and Grand Rounds 02/01/2016

Total Parenteral and Enteral Nutrition
GIH Fellows Core Curriculum
Mayo Clinic 03/15/2016

Blenderized Tube Feeding
Integrative Medicine and Ground Rounds
Mayo Clinic 06/05/2017

Invited

Parenteral and Enteral Nutrition: Historical Perspective, Clinical Uses, and Current Research.
University of Louisville, Department of Surgery, Grand Rounds
Kentucky 04/28/2006

The Use of Enteral Nutrition as Stress Prophylaxis
Kentucky Society of Enteral and Parenteral Nutrition
Kentucky 06/12/2009

History of Hamline University Medical Department and the Trial of Dr. Malchow.
Mayo Clinic History of Medicine Society
Rochester, Minnesota 09/21/2011

Navigating the Tube Feeding Journey and New ISO Connectors
Oley Foundation Regional Meeting
Long Beach, California 02/14/2015

Ancel Keys and the Debate Over the Health Consequences of Dietary Fat
Mayo Clinic History of Medicine Society
Rochester, Minnesota 05/21/2015

HPN CVC Selection, Repair, Salvage, and Infection Prevention
Kentucky Society for Parenteral and Enteral Nutrition (KYSPEN) 2015
Kentucky 06/05/2015

Nutrition Jeopardy-Battle of the Young Experts: Medicine vs. Surgery
Kentucky Society for Parenteral and Enteral Nutrition (KYSPEN) 2015
Kentucky 06/05/2015

Unclassified

Refeeding Syndrome 06/10/2016
 Kentucky Society of Parenteral and Enteral Nutrition
 Louisville, Kentucky

13. Visiting Professorship

Nutrition Principles for General Internal Medicine Residents and Physicians 12/02/2009
 Division of General Internal Medicine, University of Louisville
 Louisville, Kentucky

Two Cases of Peripheral Neuropathy 06/04/2010
 Division of General Internal Medicine, University of Louisville
 Louisville, Kentucky

Obesity Epidemic: Overview, Pathophysiology, and Treatment from the Primary 03/17/2011
 Care Perspective.
 Grand Rounds, Department of Medicine, University of Louisville
 Louisville, Kentucky

14. Clinical Practice, Interests, and Accomplishments

Home Parenteral and Enteral Nutrition, Clinical Nutrition, Obesity, General Internal Medicine, Addiction

15. Research Interests

Clinical Nutrition, Pathophysiology of Obesity, Small Intestine and Liver Physiology. History of Medicine. Addiction.

16. Educational Practice, Interests, and Accomplishments

17. Research Grants Awarded

Active Grants

Federal

Program Director / Varenicline and lorcaserin for smoking cessation and weight gain 07/2015 - 06/2020
 Principal Investigator prevention. Funded by National Institutes of Health. (K23 DA 37299)

Industry

Program Director / Validation of the InBody770 for assessment of body composition: 03/2015 - 03/2016
 Principal Investigator Validation of the InBody 770 for assessment of body composition.
 Funded by Biospace, Inc

Mayo Clinic

Co-Investigator Weight Management in Peri- and Postmenopausal Women. Funded by 06/2017 - 05/2019
 SGP - Small Grants Program <\$10K

Completed Grants**Federal**

Co-Investigator	Combination Therapy with Varenicline and Bupropion for Smoking Cessation. Funded by National Cancer Institute. (R01 CA 138417)	05/2009 - 04/2014
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Industry

Co-Investigator	A phase 4, multinational, randomized, double-blind, placebo-controlled study to evaluate the efficacy and safety of varenicline compared to placebo for smoking cessation through reduction. A3051075. Funded by Pfizer Inc.. (Protocol A3051075)	07/2011 - 07/2013
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Co-Investigator	A Phase 4, Randomized, Double-Blind, Active and Placebo-Controlled, Multicenter Study Evaluating the Neuropsychiatric Safety and Efficacy of the 12 Weeks Varenicline Tartrate 1 mg BID and Bupropion Hydrochloride 150 mg BID for Smoking Cessation in ...: A Phase 4, Randomized, Double-Blind, Active and Placebo-Controlled, Multicenter Study Evaluating the Neuropsychiatric Safety and Efficacy of the 12 Weeks Varenicline Tartrate 1 mg BID and Bupropion Hydrochloride 150 mg BID for Smoking Cessation in Funded by Pfizer Inc.. (Protocol #A3051123)	11/2011 - 10/2012
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Co-Investigator	A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Assessing the Occurrence of Major Adverse Cardiovascular Events (MACE) in Overweight and Obese Subjects With Cardiovascular Risk Factors Receiving Naltrexone SR/Bupropion SR: CENTERPHASE: A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study Assessing the Occurrence of Major Adverse Cardiovascular Events (MACE) in Overweight and Obese Subjects With Cardiovascular Risk Factors Receiving Naltrexone SR/Bupropion SR. Funded by Takeda Development Center Americas, Inc. . (Protocol NB-CVOT)	08/2012 - 08/2016
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Co-Investigator	Varenicline for Light Smokers. Funded by Pfizer Inc.. (Pfizer IIR Tracking Number WS2293926)	09/2012 - 09/2015
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Mayo Clinic

Program Director / Principal Investigator	Infectious Complications of Long Term Home Parenteral Nutrition. Funded by SGP - Small Grants Program <\$10K	10/2012 - 10/2014
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Program Director / Principal Investigator	Varenicline and lorcaserin for smoking cessation and weight gain prevention: NIH Relief Grant - Varenicline and lorcaserin for smoking cessation and weight gain prevention. Funded by National Institutes of Health. (DA 37299)	03/2013 - 02/2014
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Program Director / Principal Investigator	Comparison of different Oral Rehydration Solutions (ORS) in Short Bowel Syndrome (SBS) Patients on Home Parenteral Nutrition (HPN): A Prospective Double-blinded Randomized Controlled Trial. Funded by SGP - Small Grants Program <\$10K	11/2013 - 11/2015
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Program Director / Principal Investigator	Elevated liver enzymes and parenteral nutrition-associated liver disease in adult patients on home parenteral nutrition: A randomized controlled trial.. Funded by SGP - Small Grants Program <\$10K	03/2015 - 03/2017
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Co-Investigator	Combination of Low Level Laser Therapy and Varenicline for Smoking Cessation - NIH Relief Grant. Funded by NIH Relief Program	04/2014 - 03/2015
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Co-Investigator Physical Activity in the Medical Workplace- a way to improve physical and mental well-being?. Funded by SGP - Small Grants Program <\$10K 03/2015 - 03/2017

18. Patents

Title	Patent Number	Date Filed	Date Issued
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19. Bibliography

Peer-reviewed Articles

1. Martin RA, **Hurt RT**, Honey JG, Pelaez-Campomanes P. Late Pliocene and early Pleistocene rodents from the Borchers Badlands (Meade County, Kansas), with comments on the Blancan-Irvingtonian boundary in the Meade Basin. *Journal of Paleontology*. 2003; 77(5):985-1001.
2. Matheson PJ, **Hurt RT**, Mittel OF, Wilson MA, Spain DA, Garrison RN. Immune-enhancing enteral diet increases blood flow and proinflammatory cytokines in the rat ileum. *J Surg Res*. 2003 Apr; 110(2):360-70. PMID: 12788666
3. Zakaria el R, **Hurt RT**, Matheson PJ, Garrison RN. A novel method of peritoneal resuscitation improves organ perfusion after hemorrhagic shock. *Am J Surg*. 2003 Nov; 186(5):443-8. PMID: 14599604
4. Matheson PJ, Mays MP, **Hurt RT**, Harris PD, Garrison RN. Adrenomedullin is increased in the portal circulation during chronic sepsis in rats. *Am J Surg*. 2003 Nov; 186(5):519-25. PMID: 14599618
5. **Hurt RT**, Matheson PJ, Mays MP, Garrison RN. Immune-enhancing diet and cytokine expression during chronic sepsis: an immune-enhancing diet containing L-arginine, fish oil, and RNA fragments promotes intestinal cytokine expression during chronic sepsis in rats. *J Gastrointest Surg*. 2006 Jan; 10(1):46-53. PMID: 16368490 DOI: 10.1016/j.gassur.2005.10.002
6. Zakaria el R, Matheson PJ, **Hurt RT**, Garrison RN. Chronic infusion of sterile peritoneal dialysis solution abrogates enhanced peritoneal gene expression responses to chronic peritoneal catheter presence. *Adv Perit Dial*. 2008; 24:7-15. PMID: 18985994 PMID: 2596713
7. Zakaria el R, Mays CJ, Matheson PJ, **Hurt RT**, Garrison RN. Plasma appearance rate of intraperitoneal macromolecular tracer underestimates peritoneal lymph flow. *Adv Perit Dial*. 2008; 24:16-21. PMID: 18985995 PMID: 2596618
8. Cave MC, **Hurt RT**, Frazier TH, Matheson PJ, Garrison RN, McClain CJ, McClave SA. Obesity, inflammation, and the potential application of pharmaconutrition. *Nutr Clin Pract*. 2008 Feb; 23(1):16-34. PMID: 18203961
9. Matheson PJ, Harris BT, **Hurt RT**, Zakaria ER, Garrison RN. Enteral glutamine supplementation impairs intestinal blood flow in rats. *Am J Surg*. 2008 Aug; 196(2):293-9. Epub 2008 May 07. PMID: 18466863 DOI: 10.1016/j.amjsurg.2007.11.013
10. **Hurt RT**, Zakaria el R, Matheson PJ, Cobb ME, Parker JR, Garrison RN. Hemorrhage-induced hepatic injury and hypoperfusion can be prevented by direct peritoneal resuscitation. *J Gastrointest Surg*. 2009 Apr; 13(4):587-94. Epub 2009 Jan 31. PMID: 19184613 PMID: 2715546 DOI: 10.1007/s11605-008-0796-0
11. Matheson PJ, Mays CJ, **Hurt RT**, Zakaria ER, Richardson JD, Garrison RN. Modulation of mesenteric lymph flow and composition by direct peritoneal resuscitation from hemorrhagic shock. *Arch Surg*. 2009 Jul; 144(7):625-34. PMID: 19620542 DOI: 10.1001/archsurg.2009.125
12. Matheson PJ, **Hurt RT**, Franklin GA, McClain CJ, Garrison RN. Obesity-induced hepatic hypoperfusion primes for hepatic dysfunction after resuscitated hemorrhagic shock. *Surgery*. 2009 Oct; 146(4):739-47; discussion 747-8. PMID: 19789034 DOI: 10.1016/j.surg.2009.06.037
13. McClave SA, **Hurt RT**. Clinical guidelines and nutrition therapy: better understanding and greater application to patient care. *Crit Care Clin*. 2010 Jul; 26(3):451-66, viii. PMID: 20643299 DOI: 10.1016/j.ccc.2010.04.008
14. **Hurt RT**, McClave SA. Gastric residual volumes in critical illness: what do they really mean? *Crit Care Clin*. 2010 Jul; 26(3):481-90, viii-ix. PMID: 20643301 DOI: 10.1016/j.ccc.2010.04.010

15. **Hurt RT**, Kulisek C, Buchanan LA, McClave SA. The obesity epidemic: challenges, health initiatives, and implications for gastroenterologists. *Gastroenterol Hepatol (N Y)*. 2010 Dec; 6: (12)780-92. PMID: 21301632 PMCID: 3033553
16. * Gopathi S, **Hurt RT**, Guardiola J. Intracardiac thrombus in Behcet's disease: A rare case in the United States. *Respiratory Medicine CME*. 2011; 4(4):154-6. DOI: 10.1016/j.rmedc.2011.07.001.
17. Franklin GA, McClave SA, **Hurt RT**, Lowen CC, Stout AE, Stogner LL, Priest NL, Haffner ME, Deibel KR, Bose DL, Blandford BS, Hermann T, Anderson ME. Physician-delivered malnutrition: why do patients receive nothing by mouth or a clear liquid diet in a university hospital setting? *JPEN J Parenter Enteral Nutr*. 2011 May; 35(3):337-42. Epub 2011 Mar 07. PMID: 21383319 DOI: 10.1177/0148607110374060
18. McClave SA, Kushner R, Van Way CW 3rd, Cave M, DeLegge M, Dibaise J, Dickerson R, Drover J, Frazier TH, Fujioka K, Gallagher D, **Hurt RT**, Kaplan L, Kiraly L, Martindale R, McClain C, Ochoa J. Nutrition therapy of the severely obese, critically ill patient: summation of conclusions and recommendations. *JPEN J Parenter Enteral Nutr*. 2011 Sep; 35(5 Suppl):88S-96S. PMID: 21881019 DOI: 10.1177/0148607111415111
19. **Hurt RT**, Frazier TH, McClave SA, Kaplan LM. Obesity epidemic: overview, pathophysiology, and the intensive care unit conundrum. *JPEN J Parenter Enteral Nutr*. 2011 Sep; 35(5 Suppl):4S-13S. PMID: 21881014 DOI: 10.1177/0148607111415110
20. **Hurt RT**, Frazier TH, McClave SA, Cave MC. Pharmaconutrition for the obese, critically ill patient. *JPEN J Parenter Enteral Nutr*. 2011 Sep; 35(5 Suppl):60S-72S. PMID: 21881016 DOI: 10.1177/0148607111413775
21. Kiraly L, **Hurt RT**, Van Way CW 3rd. The outcomes of obese patients in critical care. *JPEN J Parenter Enteral Nutr*. 2011 Sep; 35(5 Suppl):29S-35S. PMID: 21881015 DOI: 10.1177/0148607111413774
22. **Hurt RT**, Wilson T. Geriatric obesity: evaluating the evidence for the use of flavonoids to promote weight loss. *J Nutr Gerontol Geriatr*. 2012; 31: (3)269-89. PMID: 22888842 DOI: 10.1080/21551197.2012.698222
23. * Ajani S, **Hurt RT**, Teeters DA, Bellmore LR. Ischaemic colitis associated with oral contraceptive and bisacodyl use. *BMJ Case Rep*. 2012; 2012: (). PMID: 22843752 PMCID: 4542499 DOI: 10.1136/bcr-12-2011-5451
24. **Hurt RT**, Matheson PJ, Smith JW, Zakaria ER, Shaheen SP, McClain CJ, Neal Garrison R. Preservation of hepatic blood flow by direct peritoneal resuscitation improves survival and prevents hepatic inflammation following hemorrhagic shock. *American Journal of Physiology - Gastrointestinal and Liver Physiology*. 2012; 303(10):G1144-52. PMID: 22997198
25. Matheson PJ, Franklin GA, **Hurt RT**, Downard CD, Smith JW, Garrison RN. Direct peritoneal resuscitation improves obesity-induced hepatic dysfunction after trauma. *J Am Coll Surg*. 2012 Apr; 214(4):517-28; discussion 528-30. Epub 2012 Feb 17. PMID: 22342791 DOI: 10.1016/j.jamcollsurg.2011.12.016
26. **Hurt RT**, Garrison RN, Derhake BM, Matheson PJ. Fish oil increases blood flow in the ileum during chronic feeding in rats. *Nutr Res*. 2012 Nov; 32(11):837-43. Epub 2012 Nov 02. PMID: 23176794 DOI: 10.1016/j.nutres.2012.10.004
27. **Hurt RT**, Frazier TH, McClave SA, Crittenden NE, Kulisek C, Saad M, Franklin GA. Stress prophylaxis in intensive care unit patients and the role of enteral nutrition. *JPEN J Parenter Enteral Nutr*. 2012 Nov; 36(6):721-31. Epub 2012 Mar 12. PMID: 22412182 DOI: 10.1177/0148607112436978
28. White SJ, Taylor MJ, **Hurt RT**, Jensen MD, Poland GA. Leptin-based adjuvants: an innovative approach to improve vaccine response. *Vaccine*. 2013 Mar 25; 31: (13)1666-72. PMID: 23370154 PMCID: 3596421 DOI: 10.1016/j.vaccine.2013.01.032

29. * Gentile NM, McKenzie KM, **Hurt RT**. Two rare forms of hepatocellular carcinoma metastases. *BMJ Case Rep*. 2013 Jun 10; 2013: (). PMID: 23761493 PMCID: 3702786 DOI: 10.1136/bcr-2013-008886
30. **Hurt RT**, Edakkanambeth Varayil J, Ebbert JO. New pharmacological treatments for the management of obesity. *Curr Gastroenterol Rep*. 2014; 16(6):394. PMID: 24828101 DOI: 10.1007/s11894-014-0394-0
31. Kiraly LN, McClave SA, Neel D, Evans DC, Martindale RG, **Hurt RT**. Physician nutrition education. *Nutr Clin Pract*. 2014; 29(3):332-7. PMID: 24690613
32. * Mueller KG, **Hurt RT**, Abu-Lebdeh HS, Mueller PS. Self-perceived vs actual and desired weight and body mass index in adult ambulatory general internal medicine patients: a cross sectional study. *BMC Obes*. 2014; 1: ()26. PMID: 26217512 PMCID: 4511430 DOI: 10.1186/s40608-014-0026-0
33. * Nagengast AK, **Hurt RT**, Downard CD, Smith JW, Garrison RN, Matheson PJ. Increased hepatic blood flow during enteral immune-enhancing diet gavage requires intact enterohepatic bile cycling. *Nutrition*. 2014 Mar; 30(3):313-8. Epub 2013 Dec 17 PMID: 24355437 DOI: 10.1016/j.nut.2013.08.006
34. **Hurt RT**, Ebbert JO, Schroeder DR, Croghan IT, Bauer BA, McClave SA, Miles JM, McClain CJ. L-arginine for the treatment of centrally obese subjects: a pilot study. *J Diet Suppl*. 2014 Mar; 11(1):40-52. Epub 2014 Jan 10. PMID: 24409974 DOI: 10.3109/19390211.2013.859216
35. * Edakkanambeth Varayil J, **Hurt RT**, Kelly DG. How hyperalimentation may be necessary to reverse severe malnutrition in selected patients receiving home parenteral nutrition. *Nutr Clin Pract*. 2014 Apr; 29(2):229-33. Epub 2014 Feb 25. PMID: 24569792 DOI: 10.1177/0884533614522833
36. McClave SA, Frazier TH, **Hurt RT**, Kiraly L, Martindale RG. Obesity, inflammation, and pharmaconutrition in critical illness. *Nutrition*. 2014 Apr; 30(4):492-4. Epub 2013 Nov 01. PMID: 24607308 DOI: 10.1016/j.nut.2013.10.022
37. Smith JW, Ghazi CA, Cain BC, **Hurt RT**, Garrison RN, Matheson PJ. Direct peritoneal resuscitation improves inflammation, liver blood flow, and pulmonary edema in a rat model of acute brain death. *J Am Coll Surg*. 2014 Jul; 219(1):79-87. Epub 2014 Apr 05. PMID: 24952444 DOI: 10.1016/j.jamcollsurg.2014.03.045
38. * Bechtold M, McClave S, Palmer L, Nguyen D, Urban L, Martindale R, **Hurt R**. The Pharmacologic Treatment of Short Bowel Syndrome: New Tricks and Novel Agents. *Curr Gastroenterol Rep*. 2014;16:392: DOI: 10.1007/s11894-014-0392-2
39. * Edakkanambeth Varayil J, Bauer BA, **Hurt RT**. Over-the-counter enzyme supplements: what a clinician needs to know. *Mayo Clin Proc*. 2014 Sep; 89(9):1307-12. Epub 2014 Aug 04. PMID: 25103998 DOI: 10.1016/j.mayocp.2014.05.015
40. **Hurt RT**, Edakkanambeth Varayil J, Mundi MS, Martindale RG, Ebbert JO. Designation of obesity as a disease: lessons learned from alcohol and tobacco. *Curr Gastroenterol Rep*. 2014 Nov; 16(11):415. PMID: 25277042 DOI: 10.1007/s11894-014-0415-z
41. * Edakkanambeth Varayil J, Mundi MS, **Hurt RT**. The Current Role of Parenteral Nutrition in the Hospitalized Patient. *Current Surgical Reports*. 2015;3:(23) DOI: 10.1007/s40137-015-0102-5
42. McClave SA, Saad MA, Esterle M, Anderson M, Jotautas AE, Franklin GA, Heyland DK, **Hurt RT**. Volume-Based Feeding in the Critically Ill Patient. *JPEN J Parenter Enteral Nutr*. 2015 Aug; 39: (6)707-12. PMID: 24941950 DOI: 10.1177/0148607114540004
43. **Hurt RT**, McClave SA, Evans DC, Jones C, Miller KR, Frazier TH, Minhas MA, Lowen CC, Stout A, Edakkanambeth Varayil J, Matheson PJ, Franklin GA. Targeted Physician Education Positively Affects Delivery of Nutrition Therapy and Patient Outcomes: Results of a Prospective Clinical Trial. *JPEN J Parenter Enteral Nutr*. 2015 Nov; 39: (8)948-52. PMID: 24997175 DOI: 10.1177/0148607114540332

44. **Hurt RT**, Edakkanambeth Varayil J, Epp LM, Pattinson AK, Lammert LM, Lintz JE, Mundi MS. Blenderized Tube Feeding Use in Adult Home Enteral Nutrition Patients: A Cross-Sectional Study. *Nutr Clin Pract*. 2015 Dec; 30: (6)824-9. PMID: 26150105 DOI: 10.1177/0884533615591602
45. * Tripathi S, Kaur H, Edakkanambeth Varayil J, **Hurt RT**. Effects of enteral nutrition on clinical outcomes among mechanically ventilated and sedated patients in the pediatric intensive care unit *Signa Vitae*. 2015 Dec; 10: (2)131-48.
46. Croghan IT, Ebbert JO, Schroeder DR, **Hurt RT**, Hagstrom V, Clark MM. A randomized, open-label pilot of the combination of low-level laser therapy and lorcaserin for weight loss. *BMC Obes*. 2016; 3: ()42. PMID: 27708788 PMCID: 5043601 DOI: 10.1186/s40608-016-0122-4
47. Weaver JL, Matheson PJ, **Hurt RT**, Downard CD, McClain CJ, Garrison RN, Smith JW. Direct Peritoneal Resuscitation Alters Hepatic miRNA Expression after Hemorrhagic Shock *Journal of the American College of Surgeons*.2016; DOI: 10.1016/j.jamcollsurg.2016.03.024
48. * Bui GT, Edakkanambeth Varayil J, **Hurt RT**, Neutzling KA, Cook KE, Head DL, Mueller PS, Swetz KM. Prevalence and Contents of Advance Directives in Patients Receiving Home Parenteral Nutrition. *JPEN J Parenter Enteral Nutr*. 2016 Mar; 40: (3)399-404. PMID: 25096547 DOI: 10.1177/0148607114544323
49. * Mundi MS, Edakkanambeth Varayil J, McMahon MT, Okano A, Vallumsetla N, Bonnes SL, Andrews JC, **Hurt RT**. Accuracy of Intravenous Electrocardiography Confirmation of Peripherally Inserted Central Catheter for Parenteral Nutrition. *Nutr Clin Pract*. 2016 Apr; 31: (2)207-10. PMID: 26850037 DOI: 10.1177/0884533615621548
50. * Mundi MS, Epp L, **Hurt RT**. Increased Force Required With Proposed Standardized Enteral Feed Connector in Blenderized Tube Feeding. *Nutr Clin Pract*. 2016 Apr 18; : (). PMID: 27091746 DOI: 10.1177/0884533616639126
51. * Frantz DJ, McClave SA, **Hurt RT**, Miller K, Martindale RG. Cross-Sectional Study of U.S. Interns' Perceptions of Clinical Nutrition Education. *JPEN J Parenter Enteral Nutr*. 2016 May; 40: (4)529-35. PMID: 25712959 DOI: 10.1177/0148607115571016
52. * Mundi MS, Vallumsetla N, Davidson JB, McMahon MT, Bonnes SL, **Hurt RT**. Use of Home Parenteral Nutrition in Post-Bariatric Surgery-Related Malnutrition. *JPEN J Parenter Enteral Nutr*. 2016 May 13; : (). PMID: 27208038 DOI: 10.1177/0148607116649222
53. McClave SA, Codner P, Patel J, **Hurt RT**, Allen K, Martindale RG. Should We Aim for Full Enteral Feeding in the First Week of Critical Illness? *Nutr Clin Pract*. 2016 Aug; 31: (4)425-31. PMID: 27317613 DOI: 10.1177/0884533616653809
54. * Mundi MS, Shah M, **Hurt RT**. When Is It Appropriate to Use Glutamine in Critical Illness? *Nutr Clin Pract*. 2016 Aug; 31: (4)445-50. PMID: 27246308 DOI: 10.1177/0884533616651318
55. Grout A, McClave SA, Jampolis MB, Krueger K, **Hurt RT**, Landes S, Kiraly L. Basic Principles of Sports Nutrition. *Curr Nutr Rep*.2016;5:(3)213-222. DOI: 10.1007/s13668-016-0177-3
56. * Landes S, McClave SA, Frazier TH, Lowen CC, **Hurt RT** . Indirect Calorimetry: Is it Required to Maximize Patient Outcome from Nutrition Therapy? *Curr Nutr Rep*.2016;5:(3)233-239. DOI: 10.1007/s13668-016-0171-9
57. Kappus M, Diamond S, **Hurt RT**, Martindale R. Intestinal Failure: New Definition and Clinical Implications. *Curr Gastroenterol Rep*. 2016 Sep; 18: (9)48. PMID: 27447791 DOI: 10.1007/s11894-016-0525-x
58. Miller KR, McClave SA, Jampolis MB, **Hurt RT**, Krueger K, Collier B. The Health Benefits of Exercise and Physical Activity. *Curr Nutr Rep*.2016;5:(3)204-212. DOI: 10.1007/s13668-016-0175-5

59. **Hurt RT**, Miller KR, Patel J, Codner P, Mundi MS. Universal Small Bore Connectors (ENFit) for Enteral Access: Implications for Clinical Practice Current Nutrition Reports.2016;5:(3)240-244. DOI: 10.1007/s13668-016-0173-7
60. Ebbert JO, Croghan IT, **Hurt RT**, Schroeder DR, Hays JT. Varenicline for Smoking Cessation in Light Smokers. Nicotine Tob Res. 2016 Oct; 18: (10)2031-5. PMID: 27117285 DOI: 10.1093/ntr/ntw123
61. * Iturrino J, Camilleri M, Acosta A, O'Neill J, Burton D, Edakkanambeth Varayil J, Carlson PJ, Zinsmeister AR, **Hurt R**. Acute Effects of a Glucagon-Like Peptide 2 Analogue, Teduglutide, on Gastrointestinal Motor Function and Permeability in Adult Patients With Short Bowel Syndrome on Home Parenteral Nutrition. JPEN J Parenter Enteral Nutr. 2016 Nov; 40: (8)1089-1095. PMID: 26223941 DOI: 10.1177/0148607115597644
62. **Hurt RT**, McClave SA. Nutritional Assessment in Primary Care. Med Clin North Am. 2016 Nov; 100: (6)1169-1183. PMID: 27745588 DOI: 10.1016/j.mcna.2016.06.001
63. **Hurt RT**, Croghan IT, Schroeder DR, Hays JT, Choi DS, Ebbert JO. Combination Varenicline and Lorcaserin for Tobacco Dependence Treatment and Weight Gain Prevention in Overweight and Obese Smokers: A Pilot Study. Nicotine Tob Res. 2016 Nov 16; : (). PMID: 27852796 DOI: 10.1093/ntr/ntw304
64. * Edakkanambeth Varayil J, Whitaker JA, Okano A, Carnell JJ, Davidson JB, Enzler MJ, Kelly DG, Mundi MS, **Hurt RT**. Catheter Salvage After Catheter-Related Bloodstream Infection During Home Parenteral Nutrition. JPEN J Parenter Enteral Nutr. 2017 Mar; 41: (3)481-488. PMID: 25972432 DOI: 10.1177/0148607115587018
65. Ludwig N, **Hurt RT**, Miller KR. The obesity paradox: validity and clinical implications Current Pulmonology Reports. 2017 Mar; 6: (1)58-63. DOI: 10.1007/s13665-017-0167-y
66. Mundi MS, Duellman W, Epp L, Davidson J, **Hurt RT**. Comparison of Gravity Flow Rates Between ENFit and Legacy Feeding Tubes. JPEN J Parenter Enteral Nutr. 2017 Apr 01; : ()148607117703959. PMID: 28406738 DOI: 10.1177/0148607117703959
67. Patel JJ, **Hurt RT**, McClave SA, Martindale RG. Critical Care Nutrition: Where's the Evidence? Crit Care Clin. 2017 Apr; 33: (2)397-412. PMID: 28284302 DOI: 10.1016/j.ccc.2016.12.006
68. **Hurt RT**, Epp LM, Pattinson AK, Duellman WM, Corner SM, Mundi MS. Gravity Flow in Proposed Enteral Tube Small-Bore Connectors. Nutr Clin Pract. 2017 Apr; 32: (2)189-192. PMID: 27913774 DOI: 10.1177/0884533616679141
69. Ochoa Gautier JB, Martindale RG, Rugeles SJ, **Hurt RT**, Taylor B, Heyland DK, McClave SA. How Much and What Type of Protein Should a Critically Ill Patient Receive? Nutr Clin Pract. 2017 Apr; 32: (1_suppl)6S-14S. PMID: 28388376 DOI: 10.1177/0884533617693609
70. * Patel JJ, McClain CJ, Sarav M, Hamilton-Reeves J, **Hurt RT**. Protein Requirements for Critically Ill Patients With Renal and Liver Failure. Nutr Clin Pract. 2017 Apr; 32: (1_suppl)101S-111S. PMID: 28208022 DOI: 10.1177/0884533616687501
71. Coss-Bu JA, Hamilton-Reeves J, Patel JJ, Morris CR, **Hurt RT**. Protein Requirements of the Critically Ill Pediatric Patient. Nutr Clin Pract. 2017 Apr; 32: (1_suppl)128S-141S. PMID: 28388381 DOI: 10.1177/0884533617693592
72. **Hurt RT**, McClave SA, Martindale RG, Ochoa Gautier JB, Coss-Bu JA, Dickerson RN, Heyland DK, Hoffer LJ, Moore FA, Morris CR, Paddon-Jones D, Patel JJ, Phillips SM, Rugeles SJ, Sarav Md M, Weijs PJ, Wernerman J, Hamilton-Reeves J, McClain CJ, Taylor B. Summary Points and Consensus Recommendations From the International Protein Summit. Nutr Clin Pract. 2017 Apr; 32: (1_suppl)142S-151S. PMID: 28388374 DOI: 10.1177/0884533617693610

73. Epp L, Lammert L, Vallumsetla N, **Hurt RT**, Mundi MS. Use of Blenderized Tube Feeding in Adult and Pediatric Home Enteral Nutrition Patients. *Nutr Clin Pract*. 2017 Apr; 32: (2)201-205. PMID: 27589257 DOI: 10.1177/0884533616662992
74. Edakkanambeth Varayil J, Yadav S, Miles JM, Okano A, Kelly DG, **Hurt RT**, Mundi MS. Hyperglycemia During Home Parenteral Nutrition Administration in Patients Without Diabetes. *JPEN J Parenter Enteral Nutr*. 2017 May; 41: (4)672-677. PMID: 26392165 DOI: 10.1177/0148607115606116
75. * Espinosa-Ginic MA, **Hurt RT**, Furmanek SP, Peyrani P, Ramirez JA, Wiemken TL. Impact of Obesity on Mortality in Hospitalized Patients with Pneumonia Due to 2009 H1N1 Influenza A Virus Versus Other Etiologies The University of Louisville Journal of Respiratory Infections.2017;1:(3)8-12. DOI: DOI: 10.18297/jri/vol1/iss3/4/
76. * Davidson JB, Edakkanambeth Varayil J, Okano A, Whitaker JA, Bonnes SL, Kelly DG, Mundi MS, **Hurt RT**. Prevention of Subsequent Catheter-Related Bloodstream Infection Using Catheter Locks in High-Risk Patients Receiving Home Parenteral Nutrition. *JPEN J Parenter Enteral Nutr*. 2017 May; 41: (4)685-690. PMID: 26334797 DOI: 10.1177/0148607115604118
77. * Salonen BR, Bonnes SL, Vallumsetla N, Varayil JE, Mundi MS, **Hurt RT**. A prospective double blind randomized controlled study on the use of ethanol locks in HPN patients. *Clin Nutr*. 2017 May 17; : (). PMID: 28576557 DOI: 10.1016/j.clnu.2017.05.009
78. **Hurt RT**, Vallumsetla N, Edakkanambeth Varayil J, Bonnes SL, Nanda S, Nadeau J, Mundi MS. A Pilot Study Comparing 2 Oral Rehydration Solutions in Patients With Short Bowel Syndrome Receiving Home Parenteral Nutrition: A Prospective Double-Blind Randomized Controlled Trial. *Nutr Clin Pract*. 2017 Jun 01; : (884533617714975. PMID: 28662613 DOI: 10.1177/0884533617714975
79. Mundi MS, Pattinson A, McMahon MT, Davidson J, **Hurt RT**. Prevalence of Home Parenteral and Enteral Nutrition in the United States. *Nutr Clin Pract*. 2017 Jul 01; : (884533617718472. PMID: 28715295 DOI: 10.1177/0884533617718472
80. Patel JJ, Lemieux M, McClave SA, Martindale RG, **Hurt RT**, Heyland DK. Critical Care Nutrition Support Best Practices: Key Differences Between Canadian and American Guidelines. *Nutr Clin Pract*. 2017 Aug 01; 884533617722165 [Epub ahead of print] PMID: 28820650 DOI: 10.1177/0884533617722165
81. Patel JJ, Mundi MS, **Hurt RT**, Wolfe B, Martindale RG. Micronutrient Deficiencies After Bariatric Surgery: An Emphasis on Vitamins and Trace Minerals [Formula: see text]. *Nutr Clin Pract*. 2017 Aug; 32: (4)471-480. PMID: 28609642 DOI: 10.1177/0884533617712226
82. **Hurt RT**, Frazier TH, Mundi MS. Novel Nonsurgical Endoscopic Approaches for the Treatment of Obesity. *Nutr Clin Pract*. 2017 Aug; 32: (4)493-501. PMID: 28622478 DOI: 10.1177/0884533617714235

Book Chapters

1. **Hurt RT**, McClave SA. Gastric Residuals. In: Vincent, Jean-Louis; Hall, Jesse B. *Encyclopedia of Intensive Care Medicine* Springer; 2012.
2. **Hurt RT**, Frazier TH. Obesity. In: In: Mueller C editor. *The A.S.P.E.N. adult nutrition support core curriculum*. 2nd ed. Silver Spring: American Society for Parenteral and Enteral Nutrition; 2012. p. 603-19.
3. **Hurt RT**, Frazier TH, McClave SA. Pharmaconutrition for the Treatment of Obesity. In: G.E. Mullin. *Integrative Weight Management: A Guide for Clinicians, Nutrition and Health*. New York: Springer; 2014.

4. Edakkanambeth Varayil J, **Hurt RT**. Medical Management of Short Bowel Syndrome and Nutritional Support. In: Gustavo S. Oderich. Mesenteric Vascular Disease. New York: Springer; 2015. p. 277-291.
5. McClave SA, Frazier, TH, Vermani SD, **Hurt RT**. Obesity in Critical Illness, Implications for Nutrition Therapy. In: Kushner RF, Still CD. Nutrition and Bariatric Surgery CRC Press; 2015. p. 255-264.
6. **Hurt RT**. Obesity and nutritional disorders. In: Wittich CM; Et al, Mayo Clinic internal medicine board review. Eleventh Edition. New York: Mayo Clinic Scientific Press/Oxford University Press; 2016. (Mayo Clinic Scientific Press). p. 185-90.
7. Varayil JE, DiBaise JK, **Hurt RT**. Home Parenteral Nutrition Initiation, Monitoring and Weaning. In: DiBaise JK, Parrish CR, Thompson J, Eds. Short Bowel Syndrome: Practical Approach to Management. Boca Raton, FL: CRC Press;2016.319-32p.

Editorials

1. **Hurt RT**. Contributing Editor's Note Nutrition in Clinical Practice. April ;32:5S.

Commentaries

1. **Hurt RT**, Frazier TH, Matheson PJ, Cave MC, Garrison RN, McClain CJ, McClave SA. Obesity and inflammation: II. Curr Gastroenterol Rep. 2007 Aug; 9(4):306-7. PMID:17883978 DOI:
2. **Hurt RT**, Frazier TH, Matheson PJ, Cave MC, Garrison RN, McClain CJ, McClave SA. Obesity and inflammation: III. Curr Gastroenterol Rep. 2007 Aug; 9(4):307-8. PMID:17883979 DOI:
3. **Hurt RT**, Frazier TH, Matheson PJ, Cave MC, Garrison RN, McClain CJ, McClave SA. Obesity and inflammation: should the principles of immunonutrition be applied to this disease process? Curr Gastroenterol Rep. 2007 Aug; 9(4):305-6. PMID:17883977 DOI:
4. **Hurt RT**, McClave SA, Azeem N, Cole SE, Wetzel D, Khambatta S. Understanding the clinical issues involved with glycemic control in the intensive care unit. Curr Gastroenterol Rep. 2011 Aug; 13(4):301-5. PMID:21594635 DOI:10.1007/s11894-011-0200-1

Abstracts

1. Martin RA, **Hurt RT**. The relationship between home range and speciation rate in North American mammals. Journal of Vertebrate Paleontology. 1997; 17(3):62a-3a.
2. **Hurt RT**, Martin RA. The Aries and Rick Forrester rodent local faunas; Meade County, Kansas. Journal of Vertebrate Paleontology. 1998; 18(3):53a.
3. **Hurt RT**, Martin RA, Honey JG. Late Pliocene and early Pleistocene rodents from the Borchers Badlands (Meade County, Kansas). Journal of Vertebrate Paleontology. 2000; 20(3):50a.
4. **Hurt RT**, Kawabe T, Wilson MA, Spain DA, Garrison RN. Pentosifylline reduces contraction in normal but enhances contraction in acute hemorrhage/ruscuscitation by altering alpha-1 receptor induced nitric oxide. Shock. 2001; 15:80-1.
5. **Hurt RT**, Matheson PJ, Mays MP, Garrison RN. Immune-enhancing diet promotes immune response during chronic sepsis in rats. Gastroenterology. 2005 Apr; 128(4):A792-3.

6. **Hurt RT**, Garrison RN, Matheson PJ, Cobb ME, Parker JR, Zakaria ER. Hemorrhage-induced splanchnic injury and dysfunction can be prevented by direct peritoneal resuscitation. *Gastroenterology*. 2006; 130(4 (Supplement 2)):A-785.
7. **Hurt RT**, Garrison RN, Matheson PJ, Cobb M, Parker JR, Zakaria ER. Hemorrhage-induced hepatic injury and dysfunction can be prevented by direct peritoneal resuscitation (dpr). *Gastroenterology*. 2006 Apr; 130(4):A785.
8. **Hurt RT**, Matheson PJ, Mays CJ, Zakaria ER, McClave SA, Garrison RN. Early feeding in acute pancreatitis in rats. *Gastroenterology*. 2007 Apr; 132(4):A252.
9. Matheson PJ, **Hurt RT**, Zakaria ER, Garrison RN. Adrenomedullin blockade increases mortality and impairs blood flow during acute e-coli bacteremia in the rat. *Shock*. 2007 Jun; 27:53-4.
10. Cain BC, **Hurt RT**, Matheson PJ, Zakaria ER, Garrison RN. Cardiovascular and blood chemistry responses in a model of acute brain death in rats. *J Surg Res*. 2008; 144(2):432-3.
11. Zakaria ER, Matheson PJ, **Hurt RT**, Garrison RN. Chronic infusion of sterile PD solution abrogates enhanced peritoneal gene expression responses to chronic peritoneal catheter placement. *Perit Dial Int*. 2008; 24(Suppl 1):S7.
12. Graham JD, Matheson PJ, **Hurt RT**, Zakaria ER, Garrison RN. Enteral immune enhancing diets containing glutamine decrease intestinal blood flow in rats. *J Surg Res*. 2008; 144(2):294.
13. **Hurt RT**, Matheson PJ, Derhake B, Azkaria ER, Garrison RN. Omega-3 fatty acids selectively augment ileal blood flow and downregulates the pro-inflammatory response in rats. *Gastroenterology*. 2008; 134(4 Suppl 2):A-878.
14. Zakaria ER, Mays CJ, Matheson PJ, **Hurt RT**, Garrison RN. Plasma appearance rate of intraperitoneal macromolecular tracer underestimates peritoneal lymph flow. *Peritoneal Dialysis International*. 2008; 24 (Supplement 1):S7.
15. Nagengast AK, Matheson PJ, **Hurt RT**, Downard CD, Garrison RN. Enteral immune enhancing diet increases effective hepatic blood flow by bile dependent mechanism. *J Surg Res*. 2010; 158(2):256.
16. * Varayil JE, **Hurt RT**, Enders F, Kelly DG. Mo2120 Infection Rate in Inflammatory Bowel Disease (IBD) Patients on Home Parenteral Nutrition (HPN). *Gastroenterology*. 2013; 144(5, Supplement 1):S-748.
17. Okano A, Edakkanambeth Varayil J, **Hurt RT**, Kelly D. Incidence of Metabolic Bone Disease in Home Parenteral Nutrition Dependent Patients with Short Bowel Syndrome. *Clinical Nutrition*. 2013; 32:(Suppl 1)S170.
18. Yadav S, Jithinraj EV, Harmsen S, Tremaine W, **Hurt R**, Loftus E. Incidence and outcomes of home parenteral nutrition in patients with Crohn's disease in Olmsted County, Minnesota. *Am J Gastroenterol*. 2014 Oct; 109:S506.
19. Kaur H, Edakkanambeth J, Tripathi S, **Hurt R**. Association of early enteral nutrition delivery and clinical outcome in critically ill children. *Crit Care Med*. 2014 Dec; 42(12):A1442.
20. Edakkanambeth J, Kaur H, Tripathi S, **Hurt R**. Effect of opioids and benzodiazepines on tolerance of enteral nutrition in picu. *Crit Care Med*. 2014 Dec; 42(12):A1442.

21. Iturrino J, Camilleri M, Acosta A, O'Neill J, Burton D, Edakkanambeth J, Zinsmeister AR, **Hurt RT**. Acute Effects of a Glucagon-Like Peptide 2 Analog, Teduglutide, on Gastrointestinal Functions in Adults with Short Bowel Syndrome. *Clinical Nutrition*.2015;34:(1)S169.
22. **Hurt RT**, Edakkanambeth Varayil J, Pattinson A, Mundi MS. The Role of Home Enteral Nutrition in Patients With Amyotrophic Lateral Sclerosis. *Clinical Nutrition*.2015;34:S261.
23. Asiedu GB, Carroll K, Griffin JM, **Hurt RT**, Mundi MS. "We make everything pretty much family oriented except for bathroom duties": Exploring Home Enteral Nutrition experiences with patients and family caregivers. *National Council on Family Relations* .2016;
24. Mundi M, Asiedu G, **Hurt R**, Carroll K. Qualitative Analysis of Psychosocial Impact of Home Enteral Nutrition. *Clinical Nutrition*.2016;35:S86-S87.

Forthcoming

1. Mundi MS, Salonen BR, Bonnes SL, **Hurt RT**. Parenteral Nutrition - Lipid Emulsion and Potential Complications *Practical Gastroenterology*
2. Bonnes SL, Salonen BR, **Hurt RT**, McMahon MT, Mundi MS. Parenteral and Enteral Nutrition – From Hospital to Home: Will it be covered? *Nutrition in Clinical Practice*

* Indicates that the primary author was a mentee of this author.