Carol Rees Parrish, MS, RDN, Series Editor

# Nutrition Issues in Gastroenterology: A Tale of Two Decades



Carol Rees Parrish

ell, it's time to hang up my nutrition series editor spurs this December 2022. To say it has been an honor and a privilege to be the nutrition series editor for Practical Gastroenterology the past 20 years would be quite an understatement.

First, I must thank Dr. David Peura for suggesting me for the position so many years ago, as well as encouraging me to take it on. Second, it was my very good fortune to have had Dorine Kitay as the editor above me for many years, who also became my very dear friend. After Dorine retired, Vivian Mahl and her sister Adrien took over, and along with James Green, these three have been a fun, supportive, and professional team to work with.

The series has not only enriched my professional career, but also enhanced my own clinical practice immeasurably; I learned something from each author that I could take back to the bedside. It has been a pleasure to work with so many gifted clinicians and writers over the years from around the globe, generously sharing their clinical and intellectual expertise with the readers of this series.

Many doors were opened to me following publication of articles in the series. The articles

led to invitations to present at the regional, state, national, and international levels. I have been an expert witness more than once because of an article written for this series (although I must admit, it is not something I enjoy, as someone invariably loses, and the "Pollyanna" in me is saddened by that). Desperate patients or their families and friends have contacted me (usually calling me at home on a Friday night or weekend afternoon), frantic for help for a loved one suffering from a particular condition that was covered in a published article – it has been very humbling to say the least.

To the authors who have written for me, I thank you for making this series such a success; it would not have been possible without you! The same goes for the many various clinicians who have given of their time and sage advice in reviewing the articles over the years. And I would be remiss if I did not mention my wonderful husband, a gifted writer in his profession as an attorney, who has proofed more than one paragraph or two over these many years. Finally, I want to thank the readers of this series, and the clinicians who have contacted me, or approached me at conferences, just to express their gratitude for the nutrition series and to tell me that the articles have been helpful in the care of their patients-that is what kept me going for so long. A compilation of the entire series from January

Carol Rees Parrish, MS, RDN, GI Nutrition Support Specialist, Charlottesville, VA

2003 to December 2022 can be found on-line for the time being at: <u>ginutrition.virginia.edu</u> (see titles of entire series below in Table 1); the series from 2014 onward can also be found at the Practical Gastroenterology website at: <u>practicalgastro.com</u>.

### **Changing of the Guard**

I am delighted to introduce the two incoming nutrition series co-editors who will begin the new nutrition series in the journal, "*Nutrition Reviews in Gastroenterology*." *Please welcome:* 

### Elizabeth Wall, MS, RDN-AP, CNSC, LDN

Elizabeth Wall has been an Advanced Clinical Specialist on the Adult GI/Nutrition Support Service at The University of Chicago Medicine for the past 35 years. She earned a Bachelor of Science degree in Dietetics from the University of Illinois at Urbana-Champaign, a Master of Science degree in Human Nutrition and Nutritional Biology from the University of Chicago and completed a dietetic internship at the Massachusetts General Hospital. Elizabeth's scope of clinical practice includes management of patients who require short and long term enteral and parenteral nutrition support, as well as the provision of medical nutrition therapies for patients with inflammatory bowel disease, malabsorptive disorders, and short bowel syndrome/intestinal failure. In addition to her clinical responsibilities, Elizabeth is an active participant in human research protocols and has served as a faculty member at DePaul University and the Dietitians in Nutrition Support's Advance Practice Residency. She is a member of the Academy of Nutrition and Dietetics, the American Society for Parenteral and Enteral Nutrition, and is active in national and international professional workgroups related to short bowel syndrome/intestinal failure. Elizabeth is the author of many book chapters, peer reviewed articles, and has presented on many GI/

nutrition support related topics at local, national, and international symposia.

### Neha D. Shah MPH, RD, CNSC, CHES

Neha has been specializing in nutrition for GI disorders for over 15 years. She started her career as an inpatient dietitian at Stanford Health Care, counseling patients at the bedside while they recovered from gastrointestinal surgery. She later joined the Stanford Digestive Health Center to inaugurate and build Nutrition Services for the GI and Liver Clinics. There, she co-led the development of the outpatient Nutrition Support and Intestinal Rehabilitation programs to streamline specialized care to those on home nutrition support and those with short bowel syndrome. She also served as the Intestinal Transplant dietitian to provide pre-and post-transplant care. She is now at the University of California, San Francisco, specializing in GI, IBD, and intestinal rehabilitation. Neha also owns a GI and liver nutrition private practice. Neha Shah Nutrition, to bring specialized nutrition care to the community. In addition to patient care, Neha has authored over 20 articles in reputable journals related to GI nutrition. To highlight some of her roles in professional organizations, she is Director of Operations and Treasurer of the International South Asian IBD Alliance and is a member of the Crohn's and Colitis Medical Advisory Committee of Northern California. Her goal is to continue to be involved with GI initiatives, including writing and publishing articles to move nutrition care forward in this patient population.

As you can see, the new nutrition series will be in good and capable hands. ■

*May the nutrition force be with each of you!* Signing off,

Carol Rees Parrish MS, RDN



# Table 1. Entire Nutrition Series by Title: January 2003 – December 2022

Yr/Month	Article Title
2003	
January	Nutrition Support in Pancreatitis: Beyond Parenteral Nutrition
February	Lactose Intolerance: Considerations for the Clinician
March	Nutrition Intervention in the Patient with Gastroparesis
April	Practical Management of Aspiration Risk in the Enterally Fed Hospitalized Patient
May	Nutritional Considerations in Inflammatory Bowel Disease
June	Nutritional Guidelines for Patients with Hepatic Failure
July	Uninvited Guests: The Impact of Small Intestinal Bacterial Overgrowth on Nutritional Status
August	Nutritional Assessment: Current Concepts and Guidelines for the Busy Physician
September	Enteral Feeding: Dispelling the Myths
October	Navigating Home Care: Enteral Nutrition – Part One
November	Navigating Home Care: TPN – Part Two
December	Nutritional Management of Pediatric Short Bowel Syndrome
2004	
January	Bezoars: From Mystical Charms to Medical and Nutritional Management
February	Bariatric Surgery: Nutritional Concerns on the Weigh Down
March	Nutrition in the Chemoprevention of GI Cancer: Where We are in the New Millennium
April	Going Gluten-Free: A Primer for Clinicians
May	When Chyle Leaks: Nutrition Intervention
June	Post-Gastrectomy: Managing the Nutrition Fall-Out
July	Drug-Nutrient Considerations in Patients Receiving Parenteral and Enteral Nutrition
August	-
September	Nutrition in Renal Failure: Myths and Management
October	Oral Rehydration Solution: A "Low-Tech" Oft Neglected Therapy
November	Prevention and Management of Complications of Percutaneous Endoscopic Gastrostomy (PEG) Tubes
December	-
2005	
January	Much Ado About Refeeding
February	Management of PN-Induced Cholestasis
March	Trace Element Monitoring and Therapy for Adult Patients Receiving Long-Term Total Parenteral Nutrition
April	Nutrition Support of Blood or Marrow Transplant Recipients: How Much Do We Really Know?
May	Nutrition Issues in Cystic Fibrosis
June	Enteral Formula Selection: A Review of Selected Product Categories
July	To Peg or Not to Peg & To PEG or Not to PEG – Another Perspective [Editorial]
August	Nutrition Intervention for the Patient with Gastroparesis: An Update
September	The Clinician's Guide to Short Bowel Syndrome
October	Have You Passed Gas Yet? Time for a New Approach to Feeding Patients Postoperatively
November	Ostomies & Fistulas: A Collaborative Approach
December	Elemental and Semi-Elemental Formulas: Are They Superior to Polymeric Formulas?

Yr/Month	Article Title
2006	
January	-
February	Dumping Syndrome
March	Vitamin D Deficiency in Gastrointestinal Disease
April	Nutrition Concerns of the Patient with Primary Biliary Cirrhosis or Primary Sclerosing Cholangitis
Мау	Immuno-Nutrition – Fact, Fancy or Folly?
June	The Ketogenic and Atkins Diets: Recipes for Seizure Control
July	The Hitchhiker's Guide to Parenteral Nutrition Management for Adult Patients
August	An Overview of Expanded Newborn Screening for Inborn Errors of Metabolism
September	Gastric versus Jejunal Feeding: Evidence or Emotion?
October	Serum Proteins as Markers of Nutrition: What are We Treating?
November	Post-PEG Feeding – Why Wait?
December	Liver Dysfunction Associated with Parenteral Nutrition: What are the Options?
2006-2007	Special Edition Series: Celiac Disease
Sept 2006	The Gluten-Free Diet: An Update for Health Professionals
Oct 2006	Whole Grains and the Gluten Free Diet
Nov 2006	Dining Out Gluten Free: Is it Safe?
Dec 2006	Heart Health and Celiac Disease
Jan 2007	Medications and Celiac Disease – Tips from a Pharmacist
Feb 2007	Kids and the Gluten-Free Diet
Mar 2007	Combining Diabetes and Gluten-Free Dietary Management Guidelines
Apr 2007	The Gluten-free Diet: Can Your Patient Afford It?
May 2007	The Gluten Free Vegetarian
June 2007	Management of Dialysis Patients with Celiac Disease
2007	
January	Stents for the Gastrointestinal Tract and Nutritional Implications
February	Diverticular Disease: Evidence for Dietary Intervention?
March	Eosinophilic Gastrointestinal Disorders
April	Prevention of Aspiration Pneumonia in the Enterally Fed Critically III, Ventilated Patient: It Takes a Village!
May	Bottled Water Myths: Separating Fact from Fiction
June	The Brat Diet
July	Intravenous Fluids: It's More than Just "Fill 'Er Up!"
August	Clinical Ramifications of Malabsorption of Fructose and Other Short-Chain Carbohydrates
September	Parenteral Nutrition in Pancreatitis is Passé: But Are We Ready for Gastric Feeding?
	A Critical Evaluation of the Literature - Part I
October	Pancreatitis Part II - Revenge of the Cyst: A Practical Guide to Jejunal Feeding
November	The Gourmet Colon Prep
December	Beyond the Scope: The Hidden Images of Eating Disorders

Yr/Month	Article Title
2008	
January	Metabolic Bone Disease in the Patient on Long-Term Parenteral Nutrition
February	Nutritional Management of the Infant with Necrotizing Enterocolitis
March	Percutaneous Endoscopic Gastrostomy in the Patient with Amyotrophic Lateral Sclerosis: Risk vs Benefit?
April	Nutrients and Constipation: Cause or Cure?
May	Small but Mighty: Selected Micronutrient Issues in Gastric Bypass Patients
June	Nutritional Management of Hyperemesis Gravidarum
July	The Role of Food and Dietary Intervention in the Irritable Bowel Syndrome
August	Opioid Analgesics and the Gastrointestinal Tract
September	Water Intoxication—Considerations for Patients, Athletes and Physicians
October	Checking Gastric Residual Volumes: A Practice in Search of Science?
November	Growth Hormone, Glutamine and Glucagon-Like Peptide 2 in Short Bowel Syndrome
December	Small Intestinal Bacterial Overgrowth: Nutritional Consequences and Patients at Risk?
2009	
January	Vitamin B12: No One Should Be Without It
February	Iron: Not Too Much and Not Too Little
March	Enteral Feeding: Should it be Continued in the Patient with Clostridium Difficile Enterocolitis?
April	Metabolic Acidosis in Patients with Gastrointestinal Disorders: Metabolic and Clinical Consequences
Мау	The Effect of Diabetes-Specific Enteral Formulae on Clinical and Glycemic Indicators
June	Wernicke's Encephalopathy: Role of Thiamine
July	When What Comes Out Is Way More Than What Goes In: Perineal Skin Care
August	Diagnosis, Treatment and Nutritional Management of Chronic Intestinal Pseudo-Obstruction
September	Enteral Feeding and Vasopressors – Guidelines for Clinicians
October	Enteral Feedings in Hospitalized Patients: Early versus Delayed Enteral Nutrition
November	-
December	Intradialytic Total Parenteral Nutrition (IDPN): Evidence-Based Recommendations

Table 1. Entire Nutrition Series by Title: January 2003 – December 2022 (co
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	ne Nutrition Series by Title. January 2005 – December 2022 (Continueu)	
Yr/Month	Article Title	
2010		
January	Propofol-Related Infusion Syndrome	
February	Nutritional Recommendations for Patients with Non-Alcoholic Fatty Liver Disease:	
	An Evidence Based Review	
March	-	
April	Reinfusion of Intestinal Secretions: A Viable Option for Select Patients	
Мау	Buried Bumper Syndrome: Can We Prevent It?	
June	-	
July	Drug Therapy-Related Issues in Patients Who Received Bariatric Surgery (Part I)	
August	Drug Therapy-Related Issues in Patients Who Received Bariatric Surgery (Part II)	
September	The Art of Fistuloclysis: Nutritional Management of Enterocutaneous Fistulas	
October	Management of Catheter-Related Infection in Patients Receiving Home Parenteral Nutrition	
November	Nutrition Interventions Before and After Adult Intestinal Transplantation: The Pittsburgh Experience	
December	Pre-op NPO and Traditional Post-op Diet Advancement: Time to Move On	
2011		
January	Nasal Bridle: Married to Your Tube	
February	Nutritional Assessment and Intervention in Cerebral Palsy	
March	Blind Bedside Placement of Feeding Tubes: Treatment or Threat?	
April	Nutritional Management of Chyle Leaks: An Update	
Мау	Hepatic Encephalopathy: Are NH4 Levels and Protein Restriction Obsolete?	
June	FDA-Approved Pancreatic Enzyme Replacement Therapy	
July	Nutritional Support for Patients with Acute Kidney Injury: How Much Protein is Enough or Too Much?	
August	Cyclic Parenteral Nutrition Infusion: Considerations for the Clinician	
September	Nourishing Little Hearts: Nutritional Implications for Congenital Heart Defects	
October	Gastroparesis & Nutrition: The Art	
November	Severe Micronutrient Deficiencies in RYGB Patients: Rare but Potentially Devastating	
December	-	
2012		
January	To Hold (Enteral Feeding) or Not to Hold: That IS the Question; A Commentary and Tutorial	
February	Celiac Disease: What Gluten-Free Means Today	
March	Antioxidants as Adjunctive Therapy for Pain in Chronic Pancreatitis	
April	Nutrition in Pediatric Inflammatory Bowel Disease	
May	High Risk Percutaneous Endoscopic Gastrostomy Tubes: Issues to Consider	
June	Nutritional Care in Adult Inflammatory Bowel Disease When the Bowel Becomes the Bladder: Changes in Metabolism After Urinary Diversion	
July	Post-Whipple: A Practical Approach to Nutrition Management	
August September	Nutrition and Nutraceuticals for Muscle Maintenance and Recovery: Hero or Hokum?	
October	Bile Acids: An Underrecognized and Underappreciated Cause of Chronic Diarrhea	
November	Dermatitis Herpetiformis: What Practitioners Need to Know	
December	A FODMAP Diet Update: Craze or Credible?	
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Yr/Month	Article Title
2013	
January	Nutritional Management of the Adult with Cystic Fibrosis: Part I
February	Nutritional Management of the Adult with Cystic Fibrosis: Part II
March	Bone Health After Major Upper Gastrointestinal Surgery
April	Nephrolithiasis and Gastrointestinal Tract Diseases: Can Diet Intervention Help?
May	Understanding Medicare Coverage for Home Enteral Nutrition: A Case-Based Approach
June	A Practical Guide to the Nutritional Management of Chronic Pancreatitis
July	Chronic Constipation in Children: An Overview
August	Low Serum Phosphorus Got You Down?
September	Nutritional Management for Head and Neck Cancer Patients
October	Gluten Content of Selected Labeled Gluten-Free Foods Sold in the U.S.
November	Food Allergies: Dietary Management
December	Fiber-Enriched Enteral Formulae: Advantageous or Adding Fuel to the Fire?
2014	
January	Magnesium – So Underappreciated
February	Yogurt: Nutritious Food or Sugary Treat?
March	Best Practice for Clearing Clogged Feeding Tubes
April	Nutrition Update in Hepatic Failure
May	Trace Element Supplementation and Monitoring in the Adult Patient on Parenteral Nutrition
June	Nutrition Guidelines for Treatment of Children with Eosinophilic Esophagitis
July	The Calorie Requirement Conundrum
August	Part 1: Short Bowel Syndrome in Adults – Physiological Alterations and Clinical Consequences
September	Coding for Malnutrition in the Adult Patient: What the Physician Needs to Know
October	Part II: Nutrition Therapy for Short Bowel Syndrome in the Adult Patient
November	Celebrating the Holidays for our Friends and Family with Dysphagia
December	Blenderized Tube Feeding: Suggested Guidelines to Clinicians
00/7	+ Special Issue: Clinical Observations: Correcting Hypernatremia: Enteral or Intravenous Hydration?
2015	
January February	-
February	Part III: Hydrating the Adult Patient with Short Bowel Syndrome
March	Part IV-A: A Guide to Front Line Drugs Used in the Treatment of Short Bowel Syndrome
April Mov	Part IV-B: A Guide to Front Line Drugs Used in the Treatment of Short Bowel Syndrome Part V: Trophic Agents in the Treatment of Short Bowel Syndrome
May June	
July	Non-Celiac Gluten Sensitivity: Where are We Now in 2015? Low Residue vs. Low Fiber Diets in Inflammatory Bowel Disease: Evidence to Support vs. Habit?
August	Getting Critical About Constipation
September	D-Lactic Acidosis: More Prevalent Than We Think?
October	Navigating the Olive Oil Aisle: How to Buy, Store and Eat It
November	
December	Transition to Ready to Hang Enteral Feeding System: One Institution's Experience
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Yr/Month	Article Title
2016	
January	Nutritional Implications of GI-Related Scleroderma
February	Wernicke's Encephalopathy: Under Our Radar More Than It Should Be?
March	Pancreatic Resection: Nutritional Implications and Long Term Follow Up
April	Enhanced Recovery After Surgery: If You Are Not Implementing It, Why Not?
Мау	-
June	Hyperinsulinemic Hypoglycemia After Gastric Bypass Surgery
July	Vitamin D Deficiencies in Patients with Disorders of the Digestive System: Current Knowledge and Practical Considerations
August	Immunonutrition in 2016: Benefit, Harm or Neither?
September	Refeeding the Malnourished Patient: Lessons Learned
October	Sterile Water and Enteral Feeding: Fear Over Logic
November	Achalasia and Nutrition: Is it Simple Physics or Biology?
December	Medicare Coverage for Home Parenteral Nutrition – An Oxymoron? Part I
2017	
January	Medicare Coverage for Home Parenteral Nutrition – An Oxymoron? Part II Real Life Case Studies – What Does it Take to Qualify For HPN?
February	The Use of Medium-Chain Triglycerides in Gastrointestinal Disorders
March	Lactic Acidosis: A Lesser Known Side Effect of Thiamine Deficiency
April	Protein Losing Enteropathy: Diagnosis and Management
Мау	Pancreatogenic Type 3c Diabetes: Underestimated, Underappreciated and Poorly Managed
June	Essential Fatty Acid Deficiency
July	Reinfusion of Gastrointestinal Secretions: The Bedside Experience
August	Home Parenteral Nutrition – Lipid Emulsions and Potential Complications
September	Seeking Enteral Autonomy with Teduglutide
October	Nutritional Approaches to Chronic Nausea and Vomiting
November	A Clinician's Guide to Defining, Identifying and Documenting Malnutrition in Hospitalized Patients
December	Have TPN – Will Travel

Yr/Month	Article Title
2018	
January	Moo-ove Over, Cow's Milk: The Rise of Plant-Based Dairy Alternatives
February	Amyloid: A Wolf in Sheep's Clothing
March	Food for Thought: Importance of Nutrition in Alcoholic Hepatitis
April	Nutritional Care of the Patient with Eosinophilic Esophagitis
Мау	When a Registered Dietitian Becomes the Patient: Translating the Science of the Low FODMAP Diet to Daily Living
June	Blenderized Feeding Options — The Sky's the Limit
July	Got Lactase? A Clinician's Guide to Lactose Intolerance
August	Full Force Enteral Nutrition: A New Hope, or the Dark Side? A Critical Look at Enhanced Enteral Feeding Protocols
September	Pragmatic Management of Nutrition in Severe Acute Pancreatitis
October	Conventional, Complementary, and Controversial Approaches to Small Intestinal Bacterial Overgrowth
November	Pancreatic Exocrine Insufficiency and Enteral Feeding: A Practical Guide with Cases Studies
December	Revisiting Vitamin B12 Deficiency: A Clinician's Guide for the 21st Century
2019	
January	Part I: Enteral Feeding Barriers: Pesky Bowel Sounds & Gastric Residual Volumes
February	Part II: Enteral Feeding: Eradicate Barriers with Root Cause Analysis and Focused Intervention
March	-
April	Part III: Jejunal Enteral Feeding: The Tail is Wagging the Dog(ma) – Dispelling Myths with Physiology, Evidence, and Clinical Experience
Мау	Part IV: Enteral Feeding: Hydrating the Enterally-Fed Patient – It Isn't Rocket Science
June	The POTS (Postural Tachycardia Syndrome) Epidemic: Hydration and Nutrition Issues
July	FODMAPS Everywhere and not a Thing to Eat!
August	The Specific Carbohydrate Diet in Inflammatory Bowel Disease: The Evidence and Execution
September	High Output Ileostomies: The Stakes are Higher than the Output
October	Diet in Non-Alcoholic Fatty Liver Disease
November	Fiber and Ileostomies: Does it Help or Hurt?
December	Timely Topics in Gluten-Free Labeling

Yr/Month	Article Title
2020	
January	Treatment of Iron Deficiency in Gastroenterology: A New Paradigm
February	Mobility and Motility: Constipation Impairs Enteral Feeding in Disabled and Immobile Patients
March	ORS: The Solutions to Optimize Hydration in Short Bowel Syndrome
April	Chronic Atrophic Gastritis
May	Does Your Patient Have Bile Acid Malabsorption?
June	Mast Cell Activation Syndrome: What It Is and Isn't
July	Copper Deficiency: Like a Bad Penny
August	Wilson's Disease: The Copper Connection
September	Clostridioides difficile Infection: Is There a Role for Diet and Probiotics?
October	Metabolic Acidosis: Got Bicarbonate?
November	Nutrition Considerations for the Cirrhotic Patient
December	Enhanced Recovery After Surgery (ERAS) and Immunonutrition: An Evidence Based Approach
2021	
January	Pediatric Short Bowel Syndrome: Nutritional Care
February	March is Colorectal Cancer Awareness Month – What Clinicians Need to Know in 2021
March	Bezoars: Recognizing and Managing These Stubborn, Sometimes Hairy,
	Roadblocks of the Gastrointestinal Tract
April	Enteral Nutrition in the Adult Short Bowel Patient: A Potential Path to Central Line Freedom
May	Vitamin D Replacement in Adults: Current Strategies in Clinical Management
June	Beyond the Banana Bag: Treating Nutritional Deficiencies of Alcohol Withdrawal Syndrome
July	Auto-Brewery Syndrome: A Schematic for Diagnosis and Appropriate Treatment
August	Propofol Related Infusion Syndrome: Implications for Nutrition in the Intensive Care Unit
September	Ileostomy and C. difficile Infection
October	Medicare Coverage for Home Parenteral Nutrition: Policy Change After Almost Four Decades
November	PEG or PEG Button Replacement: Willy-Nilly or Evidence-Based?
December	Pathophysiology-Guided Nutrition Support in Critical Illness
2022	
January	Nutritional Management of Infants with Necrotizing Enterocolitis
February	High Output Ileostomies: Preventing Acute Kidney Injury
March	
April	Nutritional Care of the Patient with ALS
Мау	More than Just Weight Loss: Understanding the Toll of Malnutrition on the Body
June	The Clinician's Toolkit for the Adult Short Bowel Patient: Part I - Nutrition Therapy and Hydration
July	The Clinician's Toolkit for the Adult Short Bowel Patient: Part II - Pharmacologic Intervention
August	The Overlap Between Eating Disorders and Gastrointestinal Disorders
September	Micronutrients and Gastric Bypass – What We Have Learned
October	Reducing Weight Bias in GI Practice to Improve the Clinician/Patient Relationship
November	50 Ways to Treat Pancreatic Insufficiency (ok, maybe not 50)
December	Nutrition Issues in Gastroenterology: A Tale of Two Decades