

CURRICULUM VITAE

NAME: Robert G. Martindale, M.D., Ph.D.

OHSU TITLE: Professor & Chief, Division of General Surgery
Medical Director for Hospital Nutrition Services
Oregon Health & Science University

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EDUCATION: Humboldt State University
Arcata, California, 1973 - 1977, B.A./M.A.

University of California
Los Angeles, California, 1977 - 1982, Ph.D.

George Washington University
Washington, DC, 1980 - 1984, M.D.

Surgical Residency
Madigan Army Medical Center
Tacoma, Washington, 1984-1989

CERTIFICATE AND CREDENTIALS: American Board of Surgery 1990
#MD00035908, Recertification 2000, 2010

National Boards 1985, NBME #300678

LICENSURE: Georgia, #037285
Oregon, #MD25790

NPI: 1154339604

MILITARY: 1984 – 1993 United States Army

PROFESSIONAL APPOINTMENTS: Chief, Division of General Surgery
Oregon Health & Science University
2007 - Present

Medical Director for Hospital Nutrition Services
Oregon Health & Science University
2005 - Present

Chief, Section of Gastrointestinal Surgery
Medical College of Georgia
2001 – 2005

Director Nutrition Support Service
Medical College of Georgia
1993 - 2005

Chief, General Surgery Service
Department of Veterans Affairs
Medical Center Augusta, Georgia 30904-6285
1993 - 2002

Vice Director, General Surgery Residency Program
Medical College of Georgia
Augusta, Georgia 30912
1997-2001

Director, Surgical Critical Care
Eisenhower Army Medical Center
Fort Gordon, Georgia 30905
1991 – 1993

Director, Surgical Research
Eisenhower Army Medical Center
Fort Gordon, Georgia 30905
1989 - 1993

Clinical Instructor in Human Nutrition
Washington State University
Pullman, Washington 1986 – 1989

Director, Nutrition Support Service
Madigan Army Medical Center
Tacoma, Washington 98431
1984 - 1989

Academic Appointment:

Professor
Department of Surgery
Oregon Health & Science University
2005 - Present

Professor
Department of Surgery
Medical College of Georgia
2004 - 2005

Associate Professor
Department of Surgery
Medical College of Georgia
1997-2004

Assistant Professor
Department of Surgery
Medical College of Georgia
1993-1997

**SOCIETY
MEMBERSHIPS:**

American Surgical Association
Fellow, American College of Surgeons
Society for Surgery of the Alimentary Tract
Society of Critical Care Medicine
American Society for Parenteral and Enteral Nutrition
Oregon Chapter, Society of Critical Care Medicine
Board Member, Treasurer
Oregon Chapter, American College of Surgeons
Surgical Infection Society
North Pacific Surgical Association
Pacific Coast Surgical Association
International Society of Probiotics
International Society of Surgery
International Association for Surgical Metabolism and Nutrition

**EDITORIAL BOARDS/
AD HOC REVIEWER:**

Journal of Parenteral and Enteral Nutrition
World Journal of Surgery
Nutrition in Clinical Practice
Hernia
Surgical Infection Society
Digestive Diseases and Sciences
Critical Care Medicine
Journal of Nutrition
Chinese Journal of Clinical Nutrition

AWARDS/HONORS:

National Institute of Health
Nutrition Traineeship, 1978 - 1980
Elected Class President of 1st & 2nd Medical School Class ,1980 - 1982
Received Donald F. Glew Memorial Award for Excellence in Research
as a Medical Student, 1981
Elected by Housestaff as "Outstanding
Teaching Resident", 1986

Selected for Major General F.
Wergland Award as "The Outstanding
Graduating Resident", 1989

"Teacher of the Year" Award -
Augusta Dietetic Internship Program, 1991, 1998

"Faculty Teacher of the Year" Award -
Medical College of Georgia General Surgery, 1995, 1996, 1997

NBI Healthcare Foundation Award
For Humanism in Medicine, 1998

Alpha Omega Alpha Honor Medical Society, 2002

'Golden Apple Award' – Outstanding Faculty Teacher
Medical College of Georgia 2002, 2005

Faculty Teacher of the Year
OHSU Department of Surgery 2007

Distinguished Faculty of the Year
OHSU Department of Surgery 2013

PUBLICATIONS:

1. MARTINDALE RG. Diet and Diabetes. J Wadsworth VA Hospital. 1981;19:13-17.
2. MARTINDALE RG, Levin SR, Alfin-Slater RB. Effects of Bombesin and Caerulein in Stimulation of Insulin and Glucagon Secretion from the Isolated Perfused Rat Pancreas. Regul Pept. 1982;3:313-24.
3. MARTINDALE RG, Levin S, Kaufman G, Yamada T, Walsh J. Differential Regulation of Gastrin and Somatostatin Secretion from Isolated Perfused Rat Stomachs. Gastroenterology. 1982;83:240-44.
4. Wingert TD, MARTINDALE RG, Levin S. Parathyroid Hormone Enhances Glucagon Secretion from the Isolated Perfused Rat Pancreas Preparation. Endocrinology. 1985;116:2469-72.
5. MARTINDALE RG, Witte M, Hodges G, Kelly J, Harris S. Necrotizing Fascitis as Complication of Percutaneous Gastrostomy. J Parenter Enter Nutr. 1987;11:583-85.
6. MARTINDALE RG, McCarthy M. Enteral and Parenteral Nutrition in the Trauma Patient. Trauma Quart. 1988;4:47-56.
7. MARTINDALE RG, Calton C, Gooden S. Complications of Percutaneous Endoscopic Gastrostomy. Mil Med. 1992;157:358-60.
8. Charney PC, MARTINDALE RG. Early Post-op Enteral Nutrition: Feasibility and Recommendations. RD. 1993;13:1-8.
9. Jurkovich GH, Alverdy JC, MARTINDALE RG, Kudsk KA. Discouraging Post-operative Sepsis. Contemp Surg. 1993;43:41-68.
10. Waddell BE, MARTINDALE RG. The Uterine Sound as a Convenient, Cost-Effective Method for Creating the Subcutaneous Tunnel for Long Term Venous Catheters. J Parenter Enter Nutr. 1994;18:81-82.
11. Modesto V, MARTINDALE RG. Laparoscopic Gastrostomy with Four Point Fixation. Am J Surg. 1994;167:273-276.
12. MARTINDALE RG, Charney PC. Early Enteral Nutrition Support in Metabolic Stress. RD. 1994;14:1-5.
13. Charney PC, MARTINDALE RG. Nutritional Therapy in Patients with Enterocutaneous Fistulas. Support Line. 1994;5:1-4.
14. Mulligan C, Howell C, MARTINDALE RG. Conservative Management of Pediatric Pancreatic Pseudocyst using Octreotide Acetate. Am Surg. 1995;61:206-209.
15. Duh QY, Senokozlieff-Englehart AL, Siperstein AE, Pearl J, Grant JP, Twomey PL, Gadacz TR, Prinz RA, Wolfe BM, Soper NJ, MARTINDALE RG, McCamish M, Ross J, Way LW. Prospective Evaluation of Safety and Efficacy of Laparoscopic Jejunostomy. West J Med. 1995;162:117-122.
16. Cresci G, MARTINDALE RG. Guide to Enteral Formulas. Gastroenterology & Endosc News. 1995;46: 18-21.
17. Cresci G, MARTINDALE R. Guide to Specialty Enteral Formulas. Gastroenterol Endosc News. 1995;46:36-39.
18. Bernstein L, Meguid M, Ament M, Baumgartner T, MARTINDALE RG. Measurement of Visceral Protein Status in Assessing Protein and Energy Malnutrition: Standard of Care. Nutrition. 1995;2:169-171.
19. Jeffery K, Harkins B, Cresci G, MARTINDALE RG. The Clear Liquid Diet is No Longer a Necessity in the Routine Postoperative Management of Surgical Patients. Am Surg. 1996;62:167-170.

20. Miller SM, MARTINDALE RG, Gadacz TR. The Effects of Octreotide on Healing of Small Bowel Anastomosis. Am Surg. 1996;62:733-737.
21. Cresci G, MARTINDALE R. Management of Complex Enterocutaneous Fistula. Gastroenterol Endosc News. 1996;47:10-11.
22. MARTINDALE RG. Optimizing Postoperative Critical Care Nutrition. J Crit Care Nutr. 1996;3:9-18.
23. Cresci, G, MARTINDALE, RG. Nutritional Assessment in a Multiple Trauma Patient. Gastroenterol Endosc News. 1996;47;9:36-39.
24. Cresci G, MARTINDALE RG. Nutrition Intervention for Patients with Pancreatic Pseudocyst. Gastroenterol Endosc News. 1996;47:10:10-11.
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26. Cresci G, MARTINDALE RG. Metabolic and Nutritional Management of a Patient with Multiple Enterocutaneous Fistulas. Nutrition. 1997;13:446-449.
27. Cresci G, MARTINDALE RG. Guide to Enteral Formulas. Gastroenterol Endosc News. 1997;48:45-50.
28. DiPiro JT, MARTINDALE RG, Bakst A, Vacani PF. Infection in Surgical Patients: Effects on Mortality, Hospitalization, and Post Discharge Care. Am J Health-Syst Pharm. 1998;55:777-781.
29. MARTINDALE RG. Clear Liquid Diets: Tradition or Intuition? Nutr Clin Prac. 1998;13:186-187.
30. Raynor EM, Williams MF, MARTINDALE RG, Porubsky ES. Timing of Percutaneous Endoscopic Gastrostomy Tube Placement in Head and Neck Cancer Patients. Otolaryngol-Head Neck Surg. 1999;120:479-482.
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32. Cresci GA, Grace M, Park M, Kay D, MARTINDALE RG. Accurate & Timely Blind Bedside Placement of Post-Pyloric Feeding Tubes Using an Electromagnetic Navigation. Nutr Clin Pract. 1999;14:101.
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35. Ziegler TR, Bazargan N, Leader LM, MARTINDALE, RG. Glutamine and the Gastrointestinal Tract. Current Opin Clin Nutr Metab Care. 2000;3:355-362.
36. Schmidt PH, Bull WJ, Jeffery KM, MARTINDALE RG. Typical Versus Atypical Presentation of Obturator Hernia. Am Surg. 2001;67:191-5.
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41. Horn TW, Harris JA, MARTINDALE RG, Gadacz TG. When a Hernia Is Not a Hernia: the Evaluation of Inguinal Hernias in the Cirrhotic Patient. Am Surg. 2001;67:1093-1095.
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62. Bengmark S, MARTINDALE G. Prebiotics and Synbiotics in Clinical Medicine. Nutr Clin Pract. 2005;20:244-261.
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65. Gupta N, Martin PM, MARTINDALE RG, et al. Down-regulation of BCRP/ABCG2 in colorectal and cervical cancer. Biochem Biophys Res Commun. 2006;343:571-7.
66. MARTINDALE RG, Maerz LL. Management of perioperative nutrition support. Curr Opin Crit Care. 2006;12:2904.
67. Zhou M and MARTINDALE RG. Arginine in the critical care setting. J Nutr. 2007;137:1687S-1692S.
68. Zhou M, MARTINDALE RG. Immune-modulating Enteral -Formulations: Optimum Components, Appropriate Patients, and Controversial Use of Arginine in Sepsis. Curr Gastroenterol Rep. 2007; 9:329-37.
69. MARTINDALE RG. Intensive Care Unit Guidelines: Similarities and Differences. Nutrition as a Therapeutic Agent to Improve Critical Care Outcomes. SCCM. 2007;35-43.
70. MARTINDALE RG. Where Do We Go From Here? Nutrition as a Therapeutic Agent to Improve Critical Care Outcomes. SCCM. 2007;111-121.
71. Hodo DM, Waller JL, MARTINDALE RG. Medication use after bariatric surgery in a managed care cohort. Surg Obes Relat Dis. 2008;4:601-7.
72. Zhou M and MARTINDALE RG. *Clostridium septicum* infection associated with necrotizing pancreatitis, transmural gastric necrosis, and liquefaction of the spleen. Eur J Trauma and Emer Surg. 2008;34:77-79.
73. McCarthy MS, Fabling J, MARTINDALE RG, Meyer SA. Nutrition Support of the Traumatically Injured Warfighter. Crit Care Nurs Clin N Am. 2008;20:59-65.
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76. Lin HJ, Spoerke N, Deveney C, MARTINDALE R. Reconstruction of complex abdominal wall hernias using acellular human dermal matrix: A single institution experience. Am J Surg. 2009;197:599-603.
77. MARTINDALE RG, McClave SA, Vanek VW, et al. Guidelines for the provision and assessment of nutrition support therapy in the adult critically ill patient: SCCM and ASPEN and enteral nutrition: Executive summary. Crit Care Med. 2009;37:1757-61.
78. Spoerke N and MARTINDALE RG. Should the principle of “pay for performance” be applied to nutrition support? Curr Gastroent Reports. 2009;11:332-335.
79. MARTINDALE RG, Kiraly L. Nutrition as a therapeutic strategy: fact or fiction? Crit Connections. 2010;9:20.
80. Deveney C, MARTINDALE R. Factors in selecting the optimal bariatric procedure for a specific patient and parameters by which to measure appropriate response to surgery. Curr Gastroenterol Rep. 2010;12:296-303.
81. Martindale RG. Using specific nutrients to improve outcome and shorten length of stay in the ICU: fact or fantasy? ICU Mgmt. 2010;10:8-11.
82. McClave SA, Mechanick JI, MARTINDALE RG, et al. Compilation of recommendations from summit on increasing physician nutrition experts. JPEN. 2010;34(6 Suppl):123S-32S.
83. MARTINDALE RG, McClave S, Heyland D, August D. Developing a mentoring program in clinical nutrition. JPEN. 2010;34(6 Suppl):70S-7S.
84. MARTINDALE RG, DeLegge M, McClave S, Monroe C, Smith V, Kiraly L. Nutrition delivery for obese ICU patients: delivery issues, lack of guidelines, and missed opportunities. JPEN. 2011;35(5 Suppl):802-7S.
85. Neel DR, McClave S, MARTINDALE R. Hypoalbuminaemia in the perioperative period: Clinical significance and management options. Best Pract Res Anaesthes. 2011;25:395-400.
86. MARTINDALE RG, McCarthy MS, McClave SA. Guidelines for nutrition therapy in clinical illness: are they not all the same? Minerva Anesthesiol. 2011;77:463-7.
87. Turner KL, Moore FA, MARTINDALE R. Nutrition support for the acute lung injury/adult respiratory distress syndrome patient: A review. Nutr Clin Prac. 2011;26:14-25.
88. Caddell KA, MARTINDALE R, McClave SA, Miller K. Can the intestinal dysmotility of critical illness be differentiated from postoperative ileus? Curr Gastroenterol Rep. 2011;13:358-67.
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90. Miller KR, Kiraly LN, Lowen CC, MARTINDALE RG, McClave SA. CAN WE FEED? A mnemonic to merge nutrition and intensive care assessment of the critically ill patient. JPEN. 2011;35:643-59. Review.
91. Munroe C, Frantz D, MARTINDALE RG, McClave SA. The optimal lipid formulation in enteral feeding in critical illness: clinical update and review of the literature. Curr Gastroenterol Rep. 2011;13:368-375.
92. Frantz DJ, Munroe C, McClave SA, MARTINDALE RG. Current perception of nutrition education in US medical schools. Curr Gastroenterol Rep. 2011;13:376-379.
93. Caddel KA, MARTINDALE R, McClave SA, Miller K. Can the intestinal dysmotility of critical illness be differentiated from postoperative ileus. Curr Gastroenterol Rep. 2011;13:358-67.
94. Fujioka K, Dibaise JK, MARTINDALE RG. Nutrition and metabolic complications after bariatric surgery

and their treatment. JPEN. 2011;35(5 Suppl):52S-9S. Epub 2011 Jul 28.

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98. McClave SA, Martindale RG, Kiraly L. The use of indirect calorimetry in the intensive care unit. Curr Opin Clin Nutr Metab Care. 2013;16:202-8.
99. Bellows CF, Shaddock P, Helton WS, MARTINDALE RG, Stouch BC, Fitzgibbons R. Early report of a randomized comparative clinical trial of Strattice™ reconstructive tissue matrix to lightweight synthetic mesh in the repair of inguinal hernias. Hernia. 2013 Mar 31 [Epub Ahead of print.]
100. Le DP, Deveney CW, Reaven N, MARTINDALE RG. Mesh choice in ventral hernia repair: so many choices, so little time. Am J Surg. 2013;205:602-7; discussion 607.
101. MARTINDALE RG, Deveney CW. Preoperative risk reduction: strategies to optimize outcomes. Surg Clin N Am. 2013;93:1041-55.
102. Lawson CM, Daley BJ, Sams VG, MARTINDALE RG, et al. Factors that impact patient outcome: nutrition assessment. JPEN. 2013;37(5 Suppl):5S-20S.
103. McClave SA, MARTINDALE R, Taylor B, Gramlich L. Appropriate use of parenteral nutrition through the perioperative period. JPEN J Parenter Enteral Nutr. 2013;37(5 Suppl):73S-82S.
104. McClave SA, Kozar R, MARTINDALE RG, et al. Summary points and consensus recommendations from the North American Surgical Nutrition Summit. JPEN. 2013;37(5 Suppl):99S-105S.
105. MARTINDALE RG, McClave SA, Taylor B, Lawson CM. Perioperative nutrition: what is the current landscape? JPEN. 2013;37(5 Suppl):30S-8S0.
106. Wong VW, MARTINDALE RG, Longaker MT, Gurtner GC. From germ theory to germ therapy: skin microbiota, chronic wounds, and probiotics. Plast Reconstr Surg. 2013;132:854e-61e.
107. Enomoto TM, Larson D, MARTINDALE RG. Perioperative nutritional support. Med Clin N Am. 2013; 97:1181-200.
108. Maxwell PH 4th, Montgomery SC, Cavallazzi R, MARTINDALE RG. What micronutrient deficiencies should be considered in distinct neurological disorders? Curr Gastroenterol Rep. 2013;15:331.
109. MARTINDALE RG, Deveney CW. Preoperative Risk Reduction- Strategies to Optimize Outcomes. Surg Clin N Am. 2013;93:1041-1055.
110. Pham TD, Le DT, Xu J, Nguyen DT, MARTINDALE RG, Deveney CW. Personalized identification of abdominal wall hernia meshes on computed tomography. Comput Methods Programs Biomed. 2014;113:153-161.
111. Evans DC, MARTINDALE RG, Kiraly LN, Jones CM. Nutrition Optimization Prior to Surgery. Nutr Clin Pract. 2014;1:10-21.
112. Miller KR, McClave SA, Kiraly LN, MARTINDALE RG, Bennis MV. A tutorial on enteral access in adult patients in the hospitalized setting. JPEN. 2014;38:282-95.

113. Brahmabhatt R, MARTINDALE R, Liang MK. Jumping the gun? Evaluating the evidence for synthetic mesh in contaminated hernia repairs. J Am Coll Surg. 2014;218:498-9.
114. McClave SA, Hurt RT, Frazier TA, Kiraly L, MARTINDALE RG. Obesity, Inflammation, and Pharmaconutrition in Critical Illness. Nutrition. 2014;30:492-4.
115. Kiraly LN, McClave SA, Neel D, Evans DC, MARTINDALE RG, Hurt RT. Physician Nutrition Education. Nutr Clin Pract. 2014;29(3):332-7.
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117. Bechtold ML, McClave SA, Palmer LB, Nguyen DL, Urben LM, MARTINDALE RG, Hurt RT. The pharmacologic treatment of short bowel syndrome: new tricks and novel agents. Curr Gastroenterol Rep. 2014;16(7):392.
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119. Bechtold ML, Nguyen DL, Palmer LB, Kiraly LN, MARTINDALE RG, McClave SA. Nasal Bridles for Securing Nasoenteric Tubes: A Meta-Analysis. Nutr Clin Pract. 2014; 29:667-671.
120. McClave SA, MARTINDALE RG, Rice TW, Heyland DK. Feeding the critically Ill Patient. Crit Care Med. 2014;42(12):2600-10.
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122. McCarthy MS, Morgan BB, Heineman JT, MARTINDALE RG. Nutritional armor for the injured warfighter; omega-3 Fatty acids in surgery, trauma, and intensive care. Mil Med 2014; 179(11 Suppl):88-94.
123. McCarthy MS, MARTINDALE RG. Updating your nutrition care practice. Nursing Critical Care. 2015; 10(1):11-26.
124. MARTINDALE RG, Warren M. Should enteral nutrition be started in the first week of critical illness? Curr Opin Clin Nutr Metab Care. 2015; 18(2):202-6.
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126. Frantz DJ, McClave SA, Hurt RT, Miller K, MARTINDALE RG. Cross-Sectional Study of US Interns' Perceptions of Clinical Nutrition Education. JPEN J Parenter Enteral Nutr. 2015 Feb 24 [Epub Ahead of Print].
127. Holihan JL, Alawadi Z, MARTINDALE RG, Roth JS, Wray CJ, Ko TC, Kao LS, Liang MK. Adverse Events after Ventral Hernia Repair: The Vicious Cycle of Complications. J Am Coll Surg. 2015; 221(2):478-85.
128. McCarthy MS, MARTINDALE RG. What's on the menu? Delivering evidence-based nutritional therapy. Nursing. 2015;45(8):36-43.

129. Nguyen DL, Palmer LB, Nguyen ET, McClave SA, MARTINDALE RG, Bechtold ML. Specialized enteral nutrition therapy in Crohn's disease patients on maintenance infliximab therapy: a meta-analysis. Therap Adv Gastroenterol. 2015; 8(4):168-75.
130. Rosenthal MD, Vanzant EL, MARTINDALE RG, Moore FA. Evolving paradigms in the nutritional support of critically ill surgical patients. Curr Probl Surg. 2015;52(4):147-82.
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