

M3-CV Highlight Summary

Michael Marwan Meguid, MD PhD FACS MFA

Professor Emeritus

State University of New York, Upstate Medical University

Surgical Metabolism and Nutrition Laboratory

Physiology and Neuroscience Program

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http://en.wikipedia.org/wiki/Michael_M._Meguid

EDUCATION

1963- 1968 MBBS, University College Hospital Medical School, University of London, London, UK

1970-1996 Completed Surgical Residency, Peter Bent Brigham Hospital, Harvard Medical School and Boston University, Boston, Massachusetts

1972 – 1974

Research Fellow, Surgical Metabolism Laboratory, Harvard Medical School, at Peter Bent Brigham Hospital, Boston, Massachusetts, USA

1979- 1981 PhD in Nutritional Biochemistry & Metabolism, Department of Nutrition and Food Science, Massachusetts Institute of Technology, Cambridge, Massachusetts

2010 MFA, Bennington College, Vermont

Current Positions

- Professor Emeritus Surgery, Physiology/Neuroscience, and Nutrition, State University of New York, Upstate Medical University, Syracuse, New York
- Editor-In-Chief Emeritus, *Nutrition: The International Journal of Applied and Basic Nutritional Sciences*
- Editor, Author, and Writer (michaelmeguid@wordpress.com)

Specialty

1980 American Board of Surgery (#25701)

1983 American Board of Nutrition (#381)

2001 American Board of Physician Nutrition Specialists

SUPERVISED TRAINING/MENTORSHIP

Master's degree candidates

Marie D. Collier, RD, 1981

Marcia Grant, RN, 1983

Joyce Carnevale, BS, MS, 1989

Silvia Candeloro, RD, 1990

PhD candidates

Manuel Giner, MD, PhD, 1985-87

David A. Hood, PhD, 1986

Antonio C. L. Campos, MD, Ph, 1987-88.

Paul Kirschman, PhD, 1989

Eduardo Ramos, MD, PhD, 2004

POSTDOCTORAL TRAINEES IN NEUROSCIENCE AND METABOLISM

Frederico Aun, MD, Brazil, 1973-74; 1976-78

Daniel Debonis, MD, Argentina, 1980-81; 1993

Abram Nguyen, MD, Vietnam, 1981-82

Samuel Eldar, MD, Israel, 1982-83

David Rivera, MD, USA, 1983-84

M. Muntzer Mughal, MD, UK, 1984

K. N. Antonas, PhD, Australia, 1985

Manuel Giner, MD, Spain, 1985-1987

Martin Kurzer, MD, UK, 1985-87

Yoshito Kawashima, MD, Japan, 1986-87

Luzia Valentini PhD, Austria, 1986-87

Ting-yuan Chen, MD, China, 1987-88

Michael Butters, MD, Germany, 1988

Akio Kubota, MD, Japan, 1988-89

Antonio L Campos MD, Brazil, 1988-89

Zhong-jin Yang, M.D, China, 1988-93

Gyorgy Bodoky, MD, Hungary, 1989-90

Carlo Ratto, MD, Italy, 1990

Michael J. Paston, MD, USA, 1991

Maurizio Muscaritoli, MD, Italy, 1991-92

Yue Maoxing, MD, China, 1991-92

Masato Koseki, MD, Japan, 1992-94

Elizabeth Opara, PhD, UK, 1993-94

Tad T. Renvyle, MD, USA, 1993-95

Alessandro Laviano, MD, (Italian Academy of Science Fellowship), Italy, 1994-95; 1996

Jia-Ke Chai, MD, China, 1995-96.

Madhu Varma, MD, India, 1995-97

Vladimir Blaha, MD, (NCI Fellowship), Czech Republic, 1996
Giovanni Torrelli, MD, Italy, 1997-1998
Serguei Fetissov, MD, PhD, Russia, 1997-2000
Go Miyata, MD, PhD, Japan, 1997-1999
Tomoi Sato, MD, Japan, 1998-2000
Ella Samoilova, MD, PhD, Russia, 1998-1999
Lihua Zhang, MD, PhD, China, 1999-2001
Qi Yong, MD, China, 2000-2001
Irina Makarenko, PhD, (NCI Fellowship), Russia, 2001-2002
Yuan Xu, MD, China, 2001-2002
Kosaku Ohinata, PhD, (Funded Jpn. Soc. for Prom. Sci), Japan, 2001-2002
Irina Romanova, PhD, (NCI Fellowship), Russia, 2002-2003
Eduardo Ramos, MD, PhD, Brazil, 2002-2004
Susumu Suzuki, MD, PhD, Japan, 2003-2005
Carolina Goncalves, MD, (SUNY Hendricks Post-doc Scholarship) Brazil, 2004-2005
Ana I. Guijarro, PhD, Spain, 2005-2008
Henriette Kirchner, MS, Germany, 2006-2007
Hua Fang, MD, China 2005-2006
Sandra Bonhomme, MS, France 2007
Akwasi Boatang, MD, Nigeria 2008

SUPERVISED TRAINING/MENTORSHIP

MASTER'S DEGREE

Marie D. Collier, R.D., 1981
Marcia Grant, R.N., 1983
Joyce Carnevale, B.S., M.S., 1989
88.
Silvia Candeloro, R.D., 1990

PH.D. CANDIDATES

Manuel Giner, M.D., Ph.D., 1985-87
David A. Hood, Ph.D., 1986
Antonio C. L. Campos, M.D., Ph.D., 1987-
Paul Kirschman, Ph.D., 1989
Eduardo Ramos, M.D., PhD, 2004

MEMBERSHIP IN SOCIETIES

Regional

Harvard Medical School Alumni
Brigham Surgical Alumni
Central New York Surgical Association

National and International

- Society for Neuroscience
- American Association for the Advancement of Science
- American Physiological Society
- Society for the Study of Ingestive Behavior
- International Behavioral Neuroscience Society – Elected Fellow, 1997
- New York Academy of Sciences
- North American Association for the Study of Obesity (Fellow)
- American Society for Nutritional Sciences (For society-related office positions held, see previously)
- Council of Biology Editors
- American Society for Clinical Nutrition
- American Diabetes Association

Surgical Societies

- American College of Surgeons (Candidate Member, 1975-1982, Fellow, 1982, Southern California Chapter, 1983, New York Chapter, 1986), Fellows Leadership Society, 2004
- Society of Surgical Oncology
- Society for Surgery of the Alimentary Tract
- Society of University Surgeons
- American Surgical Association
- Association of V.A. Surgeons
- Surgical Biology Club II
- American Society of Metabolic and Bariatric Surgery
- International Association for the Study of Obesity

AWARDS, SCHOLARSHIPS AND HONORS

1964 President, University College Student Physiology Society, University College, London.
Chairman, Professor Sir Andrew Huxley, F.R.S., Nobel Laureate

1967 British Medical Student Association Travel Scholarship to Surgical
Service, MGH,
Harvard Medical School, Boston, MA.

1970 Postgraduate Surgical Scholarship: The Jeremy Cowell Memorial Scholarship, London, UK

- 1981 Ph.D. Degree, Department of Nutrition and Food Science, Massachusetts Institute of Technology, Cambridge, MA (Thesis: "Quantitative Aspects of Whole-Body Leucine and Valine Metabolism in Young Men in Response to Dietary Intake")
- 1985 Site Visit Team to review NIADDKD Contract, "Clinical Nutrition Research Unit", Columbia University, New York, NY
- 2008 March NIH Bariatric Surgery Ancillary Studies Review Panel-NDDKD Advisory Council
- 1985 - 1989 Examiner, American Board of Nutrition, Inc.
- 1989 - 1995 Regent, American Board of Nutrition, Inc.
- 1989/1998 Associate Examiner, American Board of Surgery
- 1997 Elected Fellow, International Behavioral Neuroscience Society.
- 1997 Recipient **Joseph B. Goldberger Award in Clinical Nutrition, from American Medical Association**
- 2004 Recipient of Scientific Award for Research Paper, NY Chapter, American College of Surgeons
- 2004-2014 Fellow, Leadership Society, American College Surgeons
- 2004 Promising Inventor Award, "Gastric Procedure for Weight Loss", The Research Foundation, The State University of New York
- 2005 Ethan Sims Young Investigators Award Finalist – Presentation, "Vagal celiac efferent activity to upper gastrointestinal organs after gastric bypass", Annual NAASO Conference, Las Vegas, NV
- 2004 Charles Ross Research Poster Session, SUNY Upstate Medical University Medical Student Award. Presented by Z. George, MS III, Surg Metab & Nutr Lab. Romanova I, et al. "Restoration of hypothalamic orexigenic/anorexigenic peptides balance after gastric bypass contributes to sustained weight loss"

VISITING PROFESSORSHIPS, KEYNOTE SPEAKER OR MODERATOR

Presentations at Scientific Meetings, Grand Rounds and Continuing Medical Education Programs, Nationally/Internationally, totaling 323

- 1987 Guest Speaker, International Workshop on "The Patient Without Stomach - Total Gastrectomy and its Sequela" University of Ulm; July 3-4; Ulm, Germany
- Guest Speaker, Clinical Congress Brazilian Society for Parenteral and Enteral Nutrition;
October 4-7; Iguassu Falls, Brazil
- 1988 Key Note Speaker, 3rd Annual Meeting of the Japan Society of Surgical Metabolism and Nutrition; January 21-22; Niigata City, Japan
- International Workshop on Perioperative Nutrition; March 11-12; Rascafria, Madrid, Spain
- 1989 Clinical Congress Moderator, Surgical Forum, American College Surgeons; October 17; Atlanta, GA
- 1990 Panel Member, Technology Assessment and Practice Guidelines Forum, Georgetown University School of Medicine; January 10-11; Washington, DC
- 1991 Keynote Speaker, Australian Society for Parenteral and Enteral Nutrition, 18th Annual Scientific Meeting; October 18-19; Canberra, Australia
- 1992 Guest Speaker, South African Society of Parenteral and Enteral, Nutrition Congress; April 7-10; Pretoria, South Africa
- 1993 Keynote Speaker, Chinese Society of Parenteral and Enteral Nutrition, 1st Nutrition Congress; April 9-10; Taipei, Taiwan
- 1994 Guest Speaker, International Symposium, "Principles and Practice of Clinical Nutrition", Departments of Surgery and Gastroenterology, All India Institute of Medical Sciences;
January 7-8; New Delhi, India
- Guest Speaker, 2nd International Congress of Pathophysiology, "Brain-Gut Gut-Brain Axis"; November 19-24; Kyoto, Japan
- 1995 Guest Speaker and Moderator, International Symposium on Liver Innervation, Ehime University, School of Medicine; July 2-5; Ehime, Japan
- 1996 Arvid Wretlind Honorary Speaker, 10th Conference Polish Society of Parenteral and Enteral Nutrition; May 31; Popowo, Poland
- 1997 Keynote Speaker, 12th Japanese Society of Parenteral and Enteral Nutrition Meeting, February 6-7; Osaka, Japan

- Guest Speaker and Moderator, Int'l Behavioral Neuroscience Society, "Pathophysiology of Anorexia in Acute and Chronic Disease", April 24-27; San Diego, CA
- 1997 Keynote Speaker, Falk Fdn., Liver and Nervous System Symposium, October 1-6; Freiburg, Germany
- Guest Speaker, Brazilian Congress of Parenteral and Enteral Nutrition, November 30-December 1; Sao Paulo, Brazil
- 1998 Moderator, III Int'l Congress Pathophysiology, Symp. Food Intake, June 28-July 3; Lahti, Finland
- 1999 Guest Speaker, Cornell University, College of Veterinary Medicine, Department of Biomedical Sciences, Seminar on Estradiol Delays Progression of Cancer Anorexia, February 15; Ithaca, NY
- 2000 Keynote Speaker, Austrian Society of Parenteral and Enteral Nutrition, "Hunger Disease", May 18-20; Vienna, Austria
- Moderator, Society for the Study of Ingestive Behavior 2000 Annual Conference, "Microstructure/Meal Patterns", July 25-29; Dublin, Ireland
- Guest Speaker and Moderator, Swiss Federal Institute of Technology, Symposium on Anorexia During Disease – from Research to Clinical Practice, "Neurochemical Mediators for Anorexia during Disease", September 10-15; Ascona, Switzerland
- Keynote Speaker and Moderator, Parenteral & Enteral Society of Asia (PENSA) 6th Clinical Congress, "Nutrition Support in GI Disease", November 9-12; Taipei, Taiwan
- Guest Speaker, University of Kyoto, "Aminergic Regulation of Feeding and Its Role in Anorexia-cachexia Syndrome", November 15; Kyoto, Japan
- Guest Speaker, Korean Society of Surgical Metabolism and Nutrition, "Mechanisms of Anorexia in Cancer Patients", November 16; Seoul, Korea
- 2001 Consultant to National Space Biomedical Research Institute Workshop to develop Nutrition-related Request for Proposals. June 20-22, Houston, Texas
- Guest Speaker: 34th International Congress of Physiological Sciences, "Regulation of Body Mass and Obesity" August 29; Christchurch, New Zealand

Guest Speaker, 23rd Congress of the European Society for Parenteral and Enteral Nutrition, “Insights from Nutrition in Space: From the Moon to the Bedside” September 12, Munich, Germany

Guest Speaker, XIV Brazilian Congress of Enteral & Parenteral Nutrition, “The Malnourished Patient: Beyond Nutritional Support”, October 23; Salvador, Bahia, Brazil

Guest Speaker: Nestlé Nutrition Workshop Series: Clinical & Performance Program: Clinical Nutrition: Early Intervention, “Nutrition Intervention: What of the Future?” November 21; Capetown, South Africa

2002 Guest Speaker: IBNS Conference, June 14; Padova, Italy

Guest Speaker: Japanese Society for Parenteral and Enteral Nutrition, “Functional foods in the Western countries”. November, 5; Kochi, Japan

Guest Speaker: Symposium “Update Ernährung – Supplementation”, “Sense and Nonsense of supplementation in athletes”. December 6; Vienna, Austria

2003 Guest Speaker: Ross Products Division, Abbott Laboratories, Inc., Oncology Workshop: Exploring future directions in supportive care of oncology patients. “Involuntary weight loss and obesity – Two sides of the coin”. August 22-24. San Diego, CA

Guest Speaker: 2nd Cachexia Conference, “Malabsorption/ Malnutrition”. December 2-6, Berlin, Germany

2004 Guest Speaker: Marshfield Clinic, “Exploring the Potential of a Roux-en Y gastric Bypass model for Translational Research”, February, Marshfield, WI.

Translational Research Conference, “A Rat Model of Gastric Bypass Induced Weight Loss”, March 19, Syracuse, New York

American College of Surgeons New York State Chapter, “Acute Weight Loss Following Roux-en-Y Gastric Bypass in Diet Induced Obese Rats”, April 14, Cooperstown, NY

American Society for Bariatric Surgery, “Metabolic Changes After a Roux-en-Y Gastric Bypass Rat Model in Diet Induced Obese”, June 16, San Diego, CA

The 43rd Karolinska Institutet Nobel Conference, Brain Control of Feeding Behaviour, “A reproducible rat gastric bypass model for weight loss in obesity”, September 10, Stockholm, Sweden

Grand Rounds Guest Speaker, Marshfield Clinic, "Obesity: An epidemic, a challenge and an opportunity", October 17, 2004. Marshfield, WI

2nd International Cachexia in Aging and Cancer Conference, "Role of the Brain in Anorexia in Cancer" December 4&5, Chicago, IL

2005

Invited Consultant, NASA, Fitness for Duty-Nutrition during Long Duration Space Flight Summit Meeting, Center for Advance Space Studies, March 23-24, Houston, TX

Guest Speaker, the New York Biotechnology Association, Annual Meeting, "Obesity: A Topic of Worldwide Concern", March 28-29, New York City, NY

Guest Speaker, Endocrine Society, "Omega-3 Fatty Acids and Cachexia", June 4, San Diego, CA

Guest Speaker, 24th International School of Brain Research, "Hypothalamic integration of immune functions and metabolism", September 1- 5, Amsterdam, Netherlands

Grand Rounds Speaker, University of London, Hammersmith Postgraduate Hospital, Endocrinology Unit: "Endocrinological changes associated with weight loss following RYGB in a rat model" September 8, London, UK.

Grand Rounds Speaker, University of South Florida, Department of Medicine, "Weight Loss Mechanisms in a Robust RYGB Diet Induced Obese Rat Model", September 17, Tampa, FL

2006

Grand Rounds Speaker, Department Urology, SUNY Upstate Medical University, Syracuse, "Mechanisms of Weight Loss in a RYGB Obese Rat Model", March 23, Syracuse, NY

Guest Speaker, Department of Surgery, Catholic University Medical College, "Weight Loss Mechanisms in a Robust RYGB Diet Induced Obese Rat Model", June 30, Seoul, Korea

Keynote speaker, 43rd Annual Congress Japanese Society of Surgical Metabolism, "Surgery for morbid obesity: mechanism of weight loss and resolution of diabetes", July 5, Niigata, Japan

Faculty Seminar Guest Speaker, "Hypothalamic integration of immune function and metabolism", Graduate medical faculty, Kagoshima University Graduate School of Medical and Dental Sciences, July 11, Kagoshima, Japan

Research Seminar Speaker, “Weight loss mechanisms in a robust RYGB diet induced obese rat model”, Medical and Surgical faculty, Kagoshima University Graduate School of Medical and Dental Sciences, July 12, Kagoshima, Japan

Research Seminar Speaker, Department of Nutrition, University Alabama at Birmingham, “Decoding the Pathophysiology of Weight Loss in Obesity, Using a Rat Gastric Bypass Model”, August 29, Birmingham, AL

Seminar Speaker, American College of Surgeons, Surgical Biology Club II, “The Endocannabinoid System and Mitochondria’s Role in RYGB-Induced Weight Loss”, October 8, Chicago, IL

Guest Speaker, NIH sponsored First International Workshop on Animal Models of Weight Loss Surgery" on “The Physiology of Weight Loss: lessons from animal models” Topic: “Systems, Putative Mechanisms and Genes Implicated in RYGB-Induced Weight Loss”. October 18-20, Massachusetts General Hospital, Boston, MA

Seminar Speaker, La Sapienza, Dept Medicine, University of Rome, “Role of Mitochondria in Weight Loss after Gastric Bypass”, December 18-19, Rome, Italy

2007 Guest Speaker, Appetitive Seminars, Columbia University, “Weight Loss and Regain after RYGB Surgery in a Rat Model”, January 18, New York, NY

Keynote Speaker, Japan Society of Parenteral and Enteral Nutrition, “Role of Enteral and Parenteral Fish Oil in Clinical Management” February 8-9, Matsuyama, Ehime, Japan

Grand Rounds Speaker, VA Medical Center, “Mitochondrial Function in Energy Regulation after Gastric Bypass”, March 22, Syracuse, NY

Consensus Panel Member, Catholic University, Diabetes Surgery Summit, March 29-31, Rome, Italy

Presenter, SUNY Upstate Medical University, Endocrinology and Biochemistry Depts., “Neuroendocrine Control of Appetite”, May 21, Syracuse, NY,

Surgical Grand Rounds Presenter, SUNY Upstate Medical University, Dept. of Surgery. “Successful Roux-en-Y Gastric Bypass Overcomes Leptin-Induced Starvation Response Leading to Sustained Weight Loss” September 17, Syracuse, NY.

Seminar Participant, European Society of Parenteral and Enteral Nutrition, “Successful Roux-En-Y Gastric Bypass Overcomes Leptin-Induced Starvation

Response Leading To Sustained Weight Loss”, September 7-12, Prague, Czech Republic

Surgical Grand Rounds Speaker, Upstate Medical University, Dept. of Surgery. “Anorexia of Disease: Mechanisms and Treatment Options” October 17, Syracuse, NY

Guest Speaker: Department of Diabetes, Endocrinology and Obesity, **University College and Hospital, London, UK.** “Studies of Weight Loss and Regain after RYGB Surgery” November 15, London, UK

Invited Scientist: Novo Nordisk Co., Copenhagen, Denmark. “Modulation of Insulin Signaling Pathway after Gastric Bypass Surgery in reversing Type 2 Diabetes Mellitus” November 19-20, Copenhagen, Denmark.

Grand Round Speaker, Department of Surgery and Physiology, University Maastricht “Mechanisms of Weight Regain after gastric bypass: Insights from a diet induced obese rat model. November 21-23, Maastricht, the Netherlands.

2008 Guest Speaker: 9th NPY Conference, Okinawa, Japan. “Effect of Gastric Bypass on Mitochondrial Function”
March 16-20, Okinawa, Japan.

Key Note Speaker: The 67th Scientific Meeting of the Taiwan Surgical Association, “Metabolic Surgery: Gastric Bypass provides a Definitive Cure of Diabetes as well as Maintaining Long-term Weight Loss” March 29~30, Kaohsiung Taiwan, ROC.

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Meguid MM and Perkins S: Application of pure science to clinical medicine. *Potential - Journal of the Physiology Society*, University of London, 1968; No. 10
2. Habal MB, Meguid MM, and Murray JE: The long scarf syndrome. A new health hazard. *N Engl J Med* 1971;284:734
3. Meguid MM and Gifford GH: The long free flowing scarf - a new health hazard to children. *Pediatrics* 1972;49:290-293
4. Meguid MM and Bevilacqua R: Management of arterial cannulas. *N Engl J Med* 1972; 7:376,55
5. Habal MB, Meguid MM, and Murray JE: The long-scarf syndrome - a potentially fatal and preventable hazard. *J Am Med Assoc* 1972; 221:1269-1270

6. Meguid MM, Brennan MF, Muller WA, and Aoki TT: Glucagon and trauma. *Lancet* 1972; 11:1145
7. Meguid MM, Brennan MF, Aoki TT, Muller WA, Ball MR, and Moore FD: The role of insulin and glucagon in acute trauma. *Surg Forum* 1973; 24:97-98
8. Meguid V and Meguid MM: Hazards of long-term venous catheterization. *Lancet* 1973; 1:369
9. Meguid MM and Brennan MD: Hyperglucagonemia after burns. *Lancet* 1974; 1:319
10. Meguid MM, Wilkinson RH, Canty T, Eraklis AH, and Treves S: Futility of barium sulfate in diagnosis of bleeding Meckel's diverticulum. *Arch Surg* 1974; 108: 361-362
11. Meguid MM, Wilkinson RH, Canty T, Eraklis AH, and Treves S: Barium studies in Meckel's diverticulum. *Arch Surg* 1974; 109:123
12. Meguid MM and Loebel WY: Megaloblastic anemia associated with the oral contraceptive pill. *Postgrad Med J* 1974; 50:470-472
13. Meguid MM, Canty T, and Eraklis AJ: Complications of Meckel's diverticulum in infants. *Surg Gynecol Obstet* 1974; 139:541-544
14. Meguid MM, Brennan MF, Aoki TT, Muller WA, Ball MR, and Moore FD: Hormone-substrate inter-relationships following trauma. *Arch Surg* 1974; 109:776-783
15. Canty T, Meguid MM, and Eraklis AJ: Perforation of Meckel's diverticulum in infancy. *J Pediatr Surg* 1975; 10:189-193
16. Meguid MM, Moore-Ede MC, Fitzpatrick G, and Moore FD: Norepinephrine-induced insulin and substrate changes in normal man: incomplete reversal by phentolamine. *J Surg Res* 1975; 18:365-369
17. Brooks J, Kia D, Meguid MM, Lewicki A, Membrano A, and Culebras J: A new hydrogen ion telemetry technique for evaluating gastroesophageal reflux. *Surg Gynecol Obstet* 1975; 40:749-755
18. Fitzpatrick GF, Meguid MM, O'Connell RC, O'Connor NE, Ball MR, and Brennan MF: Nitrogen sparing by carbohydrate in man: intermittent to continuous enteral compared with continuous parenteral glucose. *Surgery* 1975; 78:105-113
19. Meguid MM, Aun F, and Soeldner JS: Increased urine insulin excretion in trauma. *Surg Forum* 1975; 26:37-39
20. Fitzpatrick GF, Meguid MM, Gitlitz P, O'Connor NE, and Brennan MD: Effect of glucagon on 3-methylhistidine excretion: muscle proteolysis or ureogenesis? *Surg Forum* 1975; 26:46-48

21. Aun F, Meguid MM, Soeldner JS, and Stolf NAG: Urinary insulin levels in health and disease - a concise review. *Postgrad Med J* 1975; 51:622-626
22. Meguid MM, Aun F, and Soeldner JS: The effect of severe trauma on urine loss of insulin. *Surgery* 1976; 79:177-181
23. Derksen A, Meguid MM, and Cohen P: Non-human primate platelets and arterial tissue cannot convert preformed (14C) Lanosterol into (14C) cholesterol in vivo. *Biochem J* 1976; 158:157-159
24. Fitzpatrick GF, Meguid MM, Gitlitz PH, and Brennan MF: Glucagon infusion in normal man: Effects of 3-methylhistidine excretion and plasma amino acids. *Metabolism* 1977; 26:477-485
25. Rossini AA, Self J, Aocki TT, Goldman RF, Newmark SR, Meguid MM, Soeldner JS, and Cahill GF, Jr.: Metabolic and endocrine studies in a case of lipotrophic diabetes. *Metabolism* 1977; 26:637-650
26. Whitten RH, Aun, F, Meguid MM, and Egdahl RH: Role of glucagon in postoperative catabolism. *Surg Forum* 1977; 28:98-100
27. Aun F, Lee A, Mattox S, Meguid MM, and Egdahl RH: Evidence for rhythmic variation of cortisol metabolism in adrenalectomized primates. *Surg Forum* 1977; 28:12-115
28. Egdahl RH, Meguid MM, and Aun F: The importance of the endocrine and metabolic response to shock and trauma. *J Crit Care Med* 1977; 5:257-263
29. Meguid MM: Blood insulin responses to blood glucose levels in high output sepsis and septic shock. *Am J Surg* 1978; 135:577-583
30. Moore-Ede MC, Meguid MM, Fitzpatrick GF, Boyden CM, and Ball MR: Circadian variation in response to potassium infusion in man. *Clin Pharmacol Ther* 1978; 23:218-227
31. Lewicki AM, Brooks JR, Meguid MM, Membreno A, and Kia D: pH-tested reflux without hiatus hernia. *Am J Roent* 1978; 130:43-45
32. Meguid MM, Aun F, and Soeldner JS: Temporal characteristics of insulin:glucose ratio after varying degrees of stress and trauma in man. *J Surg Res* 1978; 25:389-393
33. Aun F, Lee A, Meguid MM, Albertson DA, Nabseth DC, and Egdahl RH: Circadian rhythm of cortisol: Effects of surgical operation. *Surg Forum* 1978; 29:111-114
34. Meguid MM, Aun F, Soeldner JS, and Albertson DA: Biological half-life of endogenous insulin in man following trauma. *Surg Forum* 1978; 29:98-100

35. Johnson WC, Ulrich F, Meguid MM, Lepak N, Bowe P, Harris P, Alberts LH, and Nabseth DC: Role of delayed hypersensitivity in predicting postoperative morbidity and mortality. *Am J Surg* 1979; 137:536-542
36. Meguid MM and Williams LF: The use of gastrostomy to correct malnutrition. *Surg Gynecol Obstet* 1979; 149:27-32
37. Meguid MM, Aun F, Soeldner JS, Albertson DA, and Boyden CM: Insulin half-life in man after trauma. *Surgery* 1981; 89:650-653
38. Meguid MM, Schimmel E., Johnson WC, Meguid V, Cohen B, Borinski J, and Nabseth DC: Reduced metabolic complications in total parenteral nutrition: pilot study using fat to replace one third of glucose calories. *JPEN* 1982; 6:304-307
39. Meguid MM, Landel A, Lo C-C, Chang C-R, Debonis D, and Hill LR. Branched chain amino acid solutions enhance N accretion in postoperative cancer patients. In: Amino Acids: Metabolism and Medical Application (Blackburn G, Grant J, and Young, VR eds.) John Wright PSG, Boston, MA 1983; 421-427
40. Meguid MM, Schwarz H, Matthews DE, Karl JE, Young VR, and Bier DM. In vivo and in vitro branched chain amino acid interactions. In: Amino Acids: Metabolism and Medical Applications. (Blackburn G, Grant J, and Young VR, Eds.) John Wright PSG, Boston, MA, 1983; 147-154
41. Meguid MM: Malnutrition in hospital patients. *JPEN* 1983; 7:219
42. Meguid MM, Debonis D, Meguid V, and Terz JJ: Nutritional support in cancer. *Lancet* 1983; 2:230-231
43. McLaren DS and Meguid MM: Nutritional assessment at the crossroads. *JPEN* 1983; 7:575-579
44. Meguid MM and Borum P: Carnitine deficiency with hyperbilirubinemia, generalized skeletal muscle weakness and reactive hypoglycemia in a patient on long-term total parenteral nutrition. *JPEN* 1983; 8:51-52
45. Beatty JD, Robinson GV, Zaia JA, Benfield JR, Kemeny, MM, Meguid MM, Riihimaki DU, Terz JJ, and Lemmelin, ME: A prospective analysis of nosocomial wound infection after mastectomy. *Arch Surg* 1983; 118:1421-1424
46. Meguid MM, Aun F, and Bradford M: Adenomyomatosis of the gallbladder. *Am J Surg* 1984; 147:260-262

47. Eldar S and Meguid MM: Pneumothorax following attempted nasogastric intubation for nutritional support. *JPEN* 1984; 8:450-452
48. Meguid MM, Landel AM, Terz JJ, and Akrabawi SS: Effect of elemental diet on albumin and urea synthesis: Comparison with partially hydrolyzed protein diet. *J Surg Res* 1984; 37:16-24
49. Lev-Ran A, Hwang D, Josefsberg Z, Barseghian G, Kemeny M, Meguid M, and Beatty D: Binding of epidermal growth factor (EGF) and insulin to human liver microsomes and golgi fractions. *Biochem Biophys Res Commun* 1984; 119:1181-1185
50. Meguid MM, Akahoshi M, Jeffers S, Hayashi R, and Hammond W. Amelioration of metabolic complications of conventional TPN: A prospective randomized study. *Arch Surg* 1984; 119:1294-1298
51. Eldar S, Meguid MM, and Beatty JD: Carcinoma of the breast after prophylactic subcutaneous mastectomy. *Am J Surg* 1984; 148:692-693
52. Meguid MM and Meguid V: Preoperative identification of the surgical cancer patient in need of postoperative supportive total parenteral nutrition. *Cancer* 1985; 55:258-262
53. Landel A, Hammond W, and Meguid MM: Aspects of amino acid and protein metabolism in cancer-bearing states. *Cancer* 1985; 55:230-237
54. Meguid MM, Eldar S, and Wahba A: The delivery of nutritional support: A potpourri of devices and methods. *Cancer* 1985; 55:279-289
55. Meguid MM: "Not just another journal - A truly NEW journal." *Nutr Int* 1985; 1:41
56. Meguid MM, Akahoshi M, Debonis D, Hayashi RJ, and Hammond WG: Use of 20% fat emulsion in total parenteral nutrition. *Crit Care Med* 1986; 14:29-31
57. Meguid MM, Akahoshi MP, and Hill LR: Evaluation of the practice of using a hyperalimentation catheter for multiple purposes. *Nutr Int* 1986; 2:45-52
58. Meguid MM, Matthews DE, Bier DM, Meredith CN, Soeldner JS, and Young VR: Leucine kinetics at graded leucine intakes in young men. *Am J Clin Nutr* 1986; 43:770-780
59. Meguid MM, Matthews DE, Bier DM, Meredith CN, and Young VR: Valine kinetics at graded valine intakes in young men. *Am J Clin Nutr* 1986; 43:781-786
60. Heber D, Chlebowski RT, Meguid MM, and McAndrew P: Cancer Symposium on: "Malnutrition and cancer: Mechanisms and Therapy. Part I." *Nutr Int* 1986; 2:258-268
61. Heber D, Chlebowski RT, Meguid MM, and McAndrew P: Cancer Symposium on: "Malnutrition and cancer: Mechanisms and Therapy. Part II." *Nutr Int* 1986; 2:184-187

62. Giner M, Synder K, Sillin L, and Meguid MM: Effect of TPN and its components on food intake and GI motility. *Surg Forum* 1987; 37:33-36
63. DeLone JB, Curtas S, Jeejeebhoy KN, and Meguid MM: Effect of operation and nutrient intake on muscle function and enzymes. *Surg Forum* 1987; 37:36-39
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