

September 13, 2012

Dear Members of the American Society for Nutrition:

It is our pleasure to nominate David S. Seres M.D., for the Excellence in Nutrition Education Award. Through his active teaching, innovative educational research, and unique clinical practice, Dr. Seres consistently demonstrates excellence in mentorship and nutrition education and is extremely deserving of this award.

Education

Dr. Seres has been an active advocate and educator in nutrition for over twenty-five years. His curriculum vitae, attached to this nomination, shows only a fraction of the impact his work has had on the quality of education at the hospitals and schools at which he has worked as well as the numerous guest lecture engagements and national committees on which he serves. In addition to his clinical duties as the Director of Medical Nutrition at New York Presbyterian Hospital, Dr. Seres directs the nutrition curriculum for the medical school, gives monthly talks to the clinical staff of the surgical intensive care unit, and provides annual lectures to the medical and surgical house staff on proper use and evaluation of nutrition in patient care. Furthermore, Dr. Seres regularly lectures at local, national, and international venues. Highlights include the American Society of Parenteral and Enteral Nutrition annual meeting, January, 2012, and the Reunion Nacional De La Asociacion Mexicana de Medicina Critica Y Terapia Intensiva, Mexico City, December, 2011. Dr. Seres' speaking engagements are too numerous to list in their entirety, numbering near 70 in the past three years, but committee members are encouraged to reference the attached CV for a complete list of recent events.

What is not evident from his CV is the degree to which Dr. Seres represents the consummate educator. His ability to teach complex nutritional concepts is unmatched. And he has leveraged his passion for, and skills in, nutrition and education to become an extremely effective agent of change, both in clinical practice and in medical culture as a whole. Rounds are regularly delayed while he takes time to teach the consulting clinical staff and students the reasoning behind his recommendations. Relying on this educational approach, Dr. Seres has been able to help create enormous changes in practice. For example, in his previous position, parenteral nutrition use was dropped to one sixth of its prior volume, largely due to his teaching.

On a national level, Dr. Seres has been working tirelessly to increase the presence of nutrition in medical education. As Chair of the Medical Practice Section of the American Society for Parenteral and Enteral Nutrition (A.S.P.E.N.) he spoke and lobbied fervently for the support of nutrition education programs. This past year, he obtained funding and directed two nutrition conferences at Columbia University Medical Center for doctors in fellowship programs. Open access to the video content for these conferences has been made available to all on an industry-sponsored online platform. At present, Dr. Seres is organizing and directing a similar three day medical nutrition education conference to be held in Chicago this coming October.

Research

Dr. Seres is also involved in a number of research efforts in nutrition and medical education. For the last three years, Dr. Seres has been principal investigator on a project to evaluate the new systems-based medical curriculum at Columbia University College of Physicians & Surgeons (P&S) for inclusion of nutrition content. The project, which has been the subject of eight Master's theses and one doctoral dissertation, involves mapping established lecture material in order to build a database of the existing nutrition content. This is necessitated by the recent conversion of the academic curriculum at P&S from one of stand-alone courses to an integrated, systems-based model. The curriculum has been searched by hand and the nutrition content discovered is being compared to the curriculum laid out during the Nutrition Academic Award, an NIH-funded initiative from the early 2000s intended to standardize medical nutrition education. Then, selected nutrition topics are searched using KnowledgeMap, a new curricular search engine, to validate its usefulness for future monitoring of the curricular nutrition content. Finally, areas for improvement have been identified and content guidance is being developed to give to lecturers and course directors in order to ensure a more complete medical nutrition education within the medical and dental school curricula. The methodology developed is being submitted for publication and may ultimately serve as a model for similar medical curricula.

In addition to assessing the nutrition content of the P&S curriculum, Dr. Seres is simultaneously working to study the impact his proposed nutrition-based curricular augmentations have on medical students' attitudes and skills in assessing nutrition issues. In their third and fourth years, Columbia medical students author a number of patient evaluations in which a history and physical examination are written. These evaluations are being assessed in order to determine whether they include important nutrition measurements, observations, and history. Dr. Seres' research group has recently developed and validated a scoring system which can be used to quantify the inclusion of appropriate nutrition evaluations in these student write-ups. Scores will be collected over time to monitor the impact of curricular interventions in the preclinical years on the future clinical behavior of medical students. Further studies of attitudes by survey are currently being developed.

Finally, Dr. Seres has also built an extensive collaborative clinical research platform, and is now directing or codirecting and is co-PI or senior advisor to 12 clinical trials and multidisciplinary studies. For a complete list of Dr. Seres' research activities, please see the attached CV.

Mentorship

From Joshua Marr, M.M., M.S.:

For me personally, Dr. Seres has been an outstanding teacher and mentor in a number of different ways, most recently serving as my mentor in the summer of 2011 when I was awarded the ASN Clinical Nutrition Internship. Dr. Seres' nomination and support were crucial in my receiving this award, for which I am extremely grateful. During this time, Dr. Seres was always available to discuss issues surrounding nutrition in medicine. Furthermore, he served as facilitator to aid me in arranging educational experiences and had me take part in nutrition support rounds at New York Presbyterian Hospital where he is Director of Nutrition Support. During these rounds, Dr. Seres was constantly

engaged in teaching, whether it was on the topic of medical nutrition, including proper use of parenteral feeding, correct use of various feeding and drainage tubes, and indications for various nutritional interventions, or on the philosophy and thinking of the medical professional, the interaction between physicians and patients and staff, and the role of doctor as educator and leader in the field of health care. These sessions with Dr. Seres were not only educational and inspiring to me professionally, they have also influenced me personally, providing insight and ideas that I will carry with me through the rest of my career.

In addition to the ASN internship, I have also worked with Dr. Seres for the last three years on his project to evaluate the medical school core curriculum for nutrition content during which time his passion for nutrition education has become increasingly apparent. His willingness to take on such an ambitious, long-term project for the benefit of medical students at Columbia University clearly illustrates his dedication to the field and to the students under his care. Although the project is ongoing, the potential to contribute greatly to an aspect of medical education that many students find lacking is becoming apparent. I am certain that Dr. Seres' efforts to pursue innovative ways to increase the presence of nutrition in the medical school curriculum will prove extremely beneficial to the student body and will greatly contribute to the school's efforts to train well-rounded physicians who will be able to help their patients on many levels.

From Steven Peever, M.S.:

Dr. Seres' marked impact on medical nutrition and nutrition education are apparent through his extensive research, grants, education responsibilities, committees, publications, and professional activities. However, it is his outstanding passion for nutrition education and the extraordinary quality of his teaching that sets him far apart from any other researcher, mentor, or educator I have encountered. I have never witnessed Dr. Seres turn down an opportunity to help educate or advise others about nutrition. His mentorship of Master's students from Columbia University's Institute of Human Nutrition (IHN) serves an excellent example. He volunteers to mentor groups of IHN students every year and goes above and beyond the typical responsibilities of a thesis advisor, providing expert guidance regarding their education, research, and Master's theses. He always makes time for those seeking his advice, having a truly open-door policy with his advisees, and encourages regular communication with his students. He routinely receives and agrees to requests from Columbia students to shadow him during rounds at New York Presbyterian-Columbia Hospital. During these shadowing sessions, he expertly explains the practical application of nutrition in medicine while encouraging students to think critically and question commonly held nutrition assumptions. While many educators are content to answer questions or have students merely observe during rounds, Dr. Seres does these things while setting himself apart by *asking the students* thought-provoking nutrition questions during shadowing sessions and mentor meetings. He then actively guides students and advisees to carefully consider and answer these questions using applied knowledge. This emphasizes a defining characteristic of his extraordinary teaching and mentorship: he leads and teaches by example and provides expert guidance while encouraging additional self-directed learning and allowing enough room for individual growth. His passion for nutrition education and the quality of his teaching makes the students, advisees, and staff with whom he interacts better, and inspires further scientific investigation and involvement in the field

of nutrition. Based on the extensive contribution and extraordinary quality of Dr. Seres' efforts in nutrition education, I highly recommend him for the Excellence in Nutrition Education Award.

From Alexander Goglia, M.S.:

While pursuing a Master of Science at Columbia University, I performed my thesis project under the superb mentorship and guidance of Dr. David Seres. I came to Columbia in 2010 with extensive basic science research experience and was thus interested in expanding my horizons and exploring areas within medical nutrition and education. Working with Dr. Seres was a tremendously valuable learning experience on multiple levels, as his guidance helped me develop as a student and as a person and our research project provided me with a fantastic exposure to medical education and the monumental task of large-scale data analysis. Our ultimate research goal was to construct a medical nutrition education program that could be seamlessly integrated into the existing curriculum at P&S. Using NIH guidelines for physician nutrition training, we mapped the entirety of P&S's novel systems-based academic curriculum, identifying guidelines that were covered in the existing curriculum and, by process of elimination, areas that were not. As a principal investigator, Dr. Seres is creative, perceptive, and original in thought. His ideas, and the manner in which he presents them, consistently serve to stimulate group discussions as he is able to effortlessly engage members of his interdisciplinary research group simply by the nature of his personality. And, while I greatly admire Dr. Seres' intellect and commitment, I feel compelled to comment on his qualities as a person as well. In my experiences as a student and researcher on both coasts and abroad, I have come to understand that it is truly rare to witness a professor and clinician of his status who works so well with students, residents, and faculty and who is genuinely well-liked by all. Though Dr. Seres works very hard, he retains a delightful perspective and has a great sense of humor. While accompanying him on clinical rotations, I recognized that the manner in which Dr. Seres conducts himself seems to put others at ease and inspires confidence in those around him. It is abundantly clear that he has a good heart, strong principles, and a great sense of responsibility to others. These are qualities that I aspire to emulate throughout my career and are the primary reasons that, although my Master's thesis work has been complete for some time, I remain in regular contact with Dr. Seres to this day. He is an exceptional mentor, leader, and teacher and is a fierce, devoted advocate for nutrition education in medicine. It is with great pride and enthusiasm that I give Dr. Seres my highest recommendation, as I am certain that there is no one more deserving of the Excellence in Nutrition Education Award.

In summation, we strongly urge you to consider Dr. Seres for this award. We can think of no person who better embodies the characteristics of nutrition educator, advocate, researcher, and clinician. Please do not hesitate to contact us with any questions or if there is anything more that we can do on his behalf. Thank you very much for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Josh Marr".

Joshua Marr, M.M., M.S.
Columbia University College of Physicians & Surgeons 2014 MD candidate
Columbia University Institute of Medicine, Master of Science in Nutrition 2010
jrm2190@columbia.edu

A handwritten signature in black ink, appearing to read "Steven Peever".

Steven Peever, M.S.
Columbia University Institute of Medicine, Master of Science in Nutrition 2012
smp2177@columbia.edu

A handwritten signature in blue ink, appearing to read "Alex Goglia".

Alexander G. Goglia, M.S.
Memorial Sloan-Kettering Cancer Center Research Associate
Columbia University Institute of Medicine, Master of Science in Nutrition 2011
ag3105@columbia.edu



Alexandra Guillaume, MD

Clinical Fellow, Adult Nutrition Support Service

Columbia University College of Physicians and Surgeons

Division of Preventive Medicine & Nutrition

Department of Medicine

630 W. 168th St. P&S 9-501B

New York, NY 10032

212.342.3112 Tel

212.342.3150 Fax

ag3197@columbia.edu

www.columbia.edu

Dear Award Committee:

It is with great pleasure that I nominate Dr. David S. Seres for a 2012 Excellence in Nutrition Education Award. Dr. Seres is the Director of Medical Nutrition and Nutrition Support Service at Columbia Presbyterian Medical Center in New York City. Since July 2011, I have worked with and learned from Dr. Seres as his clinical nutrition fellow. Dr. Seres has a genuine passion for clinical nutrition and is fervent in his commitment to nutrition education as a means to improve patient care. I believe he is truly deserving of this award for his tireless efforts and achievements in bringing nutrition to the forefront of medical therapy.

It is an overwhelming task to try and succinctly summarize all that he has accomplished during his career. Dr. Seres is an educator, mentor, academician and colleague of the highest caliber. As is clear from his CV, he has been a staunch advocate for the integration of clinical nutrition into all medical disciplines. His curriculum vitae speaks to his strong accomplishments. What I find most inspiring and would like to highlight is his keen ability to affect learners at all stages to create a generation of providers actively seeking the evidence to address the nutritional aspects within all disciplines of pathophysiology. Dr. Seres is an invited national and international lecturer. The impression he leaves on his students can be seen by the numerous requests he receives from fellows and medical students from around the world asking to complete a visiting rotation within his department. Last year, he hosted a Chair of Medicine from a prestigious hospital in Korea who chose to do his sabbatical under Dr. Seres' tutelage. This year we hosted rotators from Spain to Brazil. A month with Dr. Seres has become standard as part of the endocrine fellowship at the major teaching hospital in Sao Paulo. On a local level, Dr. Seres is a highly involved member of ASPEN and ASN. Despite his international reputation, he continues to provide well-attended, monthly lectures, to medical and surgical housestaff, and never turns down an opportunity to teach, even if impromptu or to small groups. In this past year, he designed and led two novel Adult Fellows Nutrition Conferences, and is in the process of creating a third.

As Chair of the Nutrition Curriculum Committee at Columbia University College of Physicians and Surgeons and Institute of Human Nutrition, Dr. Seres spearheads a comprehensive project identifying areas within the medical school curriculum in need of improvement in alignment with national standards of care. But Dr. Seres' influence exceeds the perimeter of his office. Dr. Seres holds clinical rounds daily and can be seen on any given day discussing the nutritional complexities of medical cases. With his typical enthusiasm Dr. Seres challenges medical and surgical housestaff to incorporate evidence based literature in nutrition into their practice and also encourages critical examination of established practices. This is of formidable importance as his impact has been seen in the change of hospital culture and policy. Dr. Seres weaves pithy pearls of wisdom into interesting case discussions that force you to learn even if you are unaware of it. As a result, he is often quoted and relied on to assist during the most medically and ethically intricate cases seen at Columbia Presbyterian Hospital. A recent example of this was even seen during a senior surgical resident's lecture on the standards of care in Short Gut Syndrome. Dr. Seres' tenacious affirmation was quoted as a standard of care; "if there is a gut, use it!!" Dr. Seres has frequently taught me that insuring a basic competence in nutrition in all of the specialties to which we

consult, through lecture, bedside, and one-to-one teaching, is far more important to patient outcomes than how important we are as unique specialists, or how often we are consulted.

Dr. Seres closely leads a team of three providers (medical fellow, nurse practitioner, and research coordinator), in cohesive collaboration with registered dietitians to meet the nutritional needs of all patients within an 800 bed university hospital. Dr. Seres is a resolute supporter of the staff in his practice and ensures that intellectual and physical resources are readily available to promote personal growth and achieve the greater goal of providing optimal patient care. Dr. Seres constantly promotes interdisciplinary collaboration, openly welcomes input from colleagues and peers, and “outside-the-box” thinking, which has resulted in the myriad of research projects with which he is currently involved, and a strong sense of collaboration between our team and the other disciplines with which we closely work.

Lastly, in a discussion I held with our department's research coordinator, it was evident to me that Dr. Seres has enhanced the careers of countless professionals. I have included words of communication from our research coordinator, “Dr. Seres has been a great mentor and supervisor since I have been hired to coordinate the department's clinical research program. He has not only improved my knowledge of medicine and treating critically ill patients, but also has brought my attention to areas of research that can push clinical nutrition into an evidence based practice. He considers me a colleague and an important member of the team which has empowered me to further my education in disease prevention and pursue a doctoral degree in epidemiology and comprehensive research methods. I believe my career has made a turn for the best due to his inimitable support and I see he is as generous with his time to help me with my future goals as he is with helping others with theirs.”

Thank you in advance for your consideration.

Sincerely,

Alexandra Guillaume, MD
Clinical Nutrition Fellow
Division of Preventive Medicine and Clinical Nutrition
Department of Medicine
Columbia University Medical Center



Boston University
School of Medicine

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Robinson Bldg, Suite 4400
Boston, MA 02118-2393
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dongwook.kim@bmc.org

RE: DAVID S. SERES, M.D., Sc.M., P.N.S.

To whom it may concern:

It is an honor to write this supporting letter for David Seres, MD for the Excellence in Nutrition Education Award. He was a program director when I worked as a clinical nutrition fellow at Columbia University Medical Center from July 2010 through June, 2011. He was also my mentor and supervisor and we interacted on a daily basis.

He is very passionate in teaching, as it can be easily seen in his journals, lectures, and researches. He participates in numerous nutrition education programs for fellows, residents, medical students, and master students. There are only a few physicians who provide official clinical nutrition education and simultaneously run a clinical nutrition fellowship program for medical or surgical residents in the United States. The fact that he is one of them makes him a very unique candidate for this award. In addition, he is an outstanding teacher who provides endless support to his students, residents, and fellows. For example, he helped me become an instructor in the field of nutrition education at Boston University by providing continuous mental support and resources. His contribution in the field of nutrition education should not only be recognized in the U.S. I believe he made a worldwide contribution by helping many foreign doctors set up their nutritional education programs internationally. I know several foreign doctors who received training under his supervision for a couple of years and successfully established their own nutrition programs.

He is also an outstanding physician who balances generating positive clinical results and growing potential leaders in the field of nutrition education well. While I worked as a fellow at Columbia University Medical Center, he made a significant contribution in increased early detection of severe malnutrition in hospitalized patients, which resulted in improved patient care and financial benefit to the hospital. I truly respect him for his accomplishments in both areas, as I know it is very difficult to balance generating positive clinical results and teaching and be successful at both.

Personally, without his help and education, I couldn't have become a nutrition attending physician and to this day, he remains as the most impactful mentor and teacher to me. I still ask him a lot of questions and get his opinion on various nutrition related topics and discussions. I am confident that his other students and fellows will echo the same comments. Therefore, I strongly believe he is a well-qualified candidate and deserves this very special award.

Sincerely,

Dong Wook Kim M.D., P.N.S.
Instructor
Boston University School of Medicine
Endocrinology, Diabetes & Nutrition
Boston Medical Center

DAVID S. SERES, M.D., Sc.M., P.N.S.

Prepared September 5, 2012

Director, Medical Nutrition and Nutrition Support Service
Associate Professor of Medical Nutrition
Columbia University College of Physicians and Surgeons and
Institute of Human Nutrition
630 W 168th Street P&S 9-501
New York, NY 10032

Date of Birth: April 1, 1958
Place of Birth: Philadelphia, PA, USA
Citizenship: US

EDUCATION

6/1981	B.S., Zoology, University of Maryland, College Park
6/1985	M.D., Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA
5/2010	Sc.M. (Master of Science), Healthcare Management, Harvard University School of Public Health, Boston, MA

POSTGRADUATE TRAINING

7/85 - 6/88	Intern and Resident, Department of Internal Medicine, Beth Israel Medical Center, New York
7/88 - 6/89	Research Fellow, Department of Clinical Nutrition, Memorial Sloan- Kettering Cancer Center, New York
7/88 - 6/90	Fellow, Clinical Nutrition, Department of Internal Medicine, Beth Israel Medical Center, New York (externships at St. Luke's/Roosevelt, Harvard/Children's Hospital, and Tufts)

CERTIFICATION AND LICENSURE

3/1986 – 3/31/2012	New York State License, Registration #168056-1
3/1988 – 2/28/2013	DEA Controlled Substances Registration, #BS 1765378
6/1981 – 8/28/2012	Advanced Cardiac Life Support
9/1988 – present	American Board of Internal Medicine
11/2006 – 11/2016	American Board of Physician Nutrition Specialists

SOCIETIES AND MEMBERSHIPS

1990 - present	American Society for Parenteral and Enteral Nutrition
1990 - present	American College of Physicians
1994 - present	American Society for Nutrition
1994 - present	FASEB
2002 - present	NAASO, The Obesity Society
2009 – present	American College of Physician Executives

DAVID S. SERES, M.D.

ACADEMIC APPOINTMENTS

1/2003 – 7/2008	Assistant Professor, Medicine, Albert Einstein College of Medicine, Bronx, NY
2009 – 2011	Assistant Professor of Clinical Medicine, Columbia University College of Physicians and Surgeons and Institute of Human Nutrition
2009 – current	Chair, Nutrition Curriculum Committee, Columbia University College of Physicians and Surgeons and Institute of Human Nutrition
2012 – current	Associate Professor of Clinical Medicine, Columbia University College of Physicians and Surgeons and Institute of Human Nutrition

HOSPITAL APPOINTMENTS

7/1990 – 7/2008	Attending Physician, Department of Medicine, Beth Israel Medical Center, New York
10/1990 – 10/2009	Attending Physician, Department of Medicine, Saint Vincent's Hospital and Medical Center
4 - 5/2005	Acting Director, Department of Medicine, New York Eye and Ear Infirmary, New York
2/2006 – 7/2008	Chief, Division of Perioperative Medicine and Nutrition Support, Beth Israel Medical Center, New York
7/28/2008 - present	Director, Medical Nutrition, Columbia University Medical Center, New York

AWARDS AND HONORS

1987	International AIDS Research Award (for studies of hyporeninemic hypoaldosteronism in AIDS), 3 rd International AIDS Conference
1988	The Loet A. Velmans Fellowship in Nutrition Research, Memorial Sloan Kettering Cancer Center, New York
1991	Annual Clinical Nutrition Fellows Research Award, American Society for Clinical Nutrition
1991	Elected Member, American Society for Clinical Nutrition
2011	American Society of Parenteral and Enteral Nutrition. Winner: Abstract of Distinction Award
2012	American Society of Parenteral and Enteral Nutrition. Winner: Abstract of Distinction Award

GRANT SUPPORT

The Loet A. Velmans Fellowship in Nutrition Research, Memorial Sloan Kettering Cancer Center, New York - 1988

Irving Institute Collaborative and Multidisciplinary Pilot Research Award - 2009. Co-Investigator. Development of an Ambulatory Lung Assist Device for Acute Respiratory Distress Syndrome. \$75,000

Irving Institute/Columbia University Clinical Trials Office Imaging Pilot Award Program - 2010. Irving Institute for Clinical and Translational Research (CTSA for Columbia University Medical Center). Co-Principal Investigator. Effects of Glutamine and Fish Oil on Muscle Function in Heart Failure (GlutFish-HF) \$50,000

Abbott Nutrition, Investigator Initiated Study - 2011. Principal Investigator. Pilot Study Evaluating The Efficacy, Tolerance And Safety Of Vital Af (Semi Elemental, High Protein, High Omega 3 Fat Enteral Formula) Versus Osmolite 1.2 (High Protein Enteral Formula) In Multiple ICU Settings (Medical, Surgical, Cardiothoracic) \$159,000

DAVID S. SERES, M.D.

Abbot Nutrition, Educational Grant – 2011. Course Director. Adult Fellows Nutrition Support Conference. National faculty and a regional audience of fellowship trainees were gathered to create a free video curriculum to be made available on line for physicians in residency or fellowship. \$59,000.

Abbot Nutrition, Educational Grant – 2012. Course Director. Adult Fellows Nutrition Support Conference. National faculty and a regional audience of fellowship trainees were gathered to create a free video curriculum to be made available on line for physicians in residency or fellowship. \$59,000.

CURRENT RESEARCH

Comparison of gastrointestinal complications feeding ICU patients with predigested and standard tube feeding products - PI
Improvement of skeletal muscle dysfunction in patients with advanced congestive heart failure with supplementation of glutamine and/or omega-3 fats - Co-PI
Metabolic response to intracerebral hemorrhage – Co-PI
Impact on attitudes and skills in assessing nutrition issues in third and fourth-year student patient evaluations – PI
Early vs delayed feeding after cystectomy and ileal conduit – Co-PI
Quantification of excess infection rate due to TPN in patients with central venous catheters – Co-PI
Extracorporeal Mechanical Oxygenation as an alternative to mechanical ventilation – Outcomes and metabolic benefits – Collaborator
Nutritional impact of Continuous Venovenous Hemodialysis – Collaborator
Impact of intravenous omega-3 fats on lung injury in mice – Collaborator
A Randomized, Double Blind, Placebo Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of SAR236553/REGN727 in Patients With Heterozygous Familial Hypercholesterolemia Not Adequately Controlled With Their Lipid Modifying Therapy, Coinvestigator
A Randomized, Double Blind, Placebo Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of SAR236553/REGN727 in Patients With Heterozygous Familial Hypercholesterolemia and LDLC higher or equal to 160mg/dL with Their Lipid Modifying Therapy.
A Randomized Double Blinded Controlled Trial of an Oral Nutritional Supplement Containing AN 777 in Older Hospitalized Patients, PI
Columbia Cerebral Palsy Center Registry, Contributor

HOSPITAL AND UNIVERSITY COMMITTEES

1993 - 2004	Member, Food and Nutrition Committee, St. Vincent's Medical Center
1998 - 2004	Member, Medical Board, St. Vincent's Medical Center
2002 - 2008	Member, Surgical Intensive Care Unit Quality Improvement Committee, Beth Israel Medical Center
2003 - 2006	Member, Physician Advisory Group for Development of Computer Order Entry System, Beth Israel Medical Center
2005 - 2008	Member, Medical Board, Beth Israel Medical Center
2005 - 2008	Chair, Nutrition Committee, Beth Israel Medical Center
2006 - 2008	Member, PICC Utilization Task Force, Beth Israel Medical Center
2007 - 2008	Member, Transfusion Committee, Beth Israel Medical Center
2007 - 2008	Member, Ethics Committee, Beth Israel Medical Center

DAVID S. SERES, M.D.

COLUMBIA UNIVERSITY MEDICAL CENTER/NEW YORK PRESBYTERIAN HOSPITAL

2008 - current	Chair, Nutrition Curriculum for Medical Students Committee, Columbia College of Physicians and Surgeons and Institute of Human Nutrition
2008 – current	Co-Chair, Nutrition Advisory Board, NYP
2008 – current	Member, Ventricular Assist Device Multidisciplinary Clinical Oversight Team
2008 – current	Member, Ventilator Management Team
2008 – 2009	Member, Ventricular Assist Device JACOH Disease Specific Care Certification Committee
2008 - current	Member, Combined Surgical Intensive Care Quality Committee,
2008 – current	Member, End of Life Task Force
2009 – current	Member, EDIXA (Electronic Documentation in EclipsysXA) Committee
2009, 2012	Member, Bariatric Surgery JACOH Disease Specific Care Certification Committee
2009 – current	Member, McKeen Pavilion Steering Committee
2009 – 2010	Member, Department of Medicine Eclipsys Implementation Group
2010 – current	Member, ISCAG (Information Systems Clinical Advisory Group)
2010 – current	Member, Ethics Committee
2010 – 2011	Member, Weights and Measures Workgroup
2010 – current	Member, Clinical Decision Support Committee
2010 – current	Member, Working Group for Clinical/Epidemiological Research, Department of Medicine
2010 – current	Member, Bowel Transplant Selection and Clinical Oversight Committee
2010 – current	Member, Emergency Preparedness Committee
2011 – current	Member, Dietetic Internship Steering Committee
2011 – current	Chair, End of Life Task Force
2012 – current	Member, Early and Adequate Nutrition Task Force

EDUCATIONAL RESPONSIBILITIES

- Director, Medical Student Curriculum in Nutrition, Columbia University College of Physicians and Surgeons
- Fellowship Director, Nutrition Support, Columbia University Medical Center
- Monthly lecture to ICU residents – Nutrition Support Basics, Columbia University Medical Center
- Teaching attending – Department of Medicine, Columbia University Medical Center, Annually
- Course Director, Interdisciplinary Review Course, American Society for Parenteral and Enteral Nutrition, 2011-2012.
- Course Director – Adult Fellows Nutrition Conference, Columbia University Medical Center 2011, 2012
- Course Director – First Annual Abbott Fellows Nutrition Conference, Chicago, IL, 2012

OTHER PROFESSIONAL ACTIVITIES

1994	Advisor - Nutrition: AIDS Institute, Department of Health, State of New York
1995	Chair, Subcommittee for Priority Development, Geriatric Practice Interest Committee, American Society for Enteral and Parenteral Nutrition
2000 - 2006	Chair, Physician Certification; Member, Board of Directors, National Board of Nutrition Support Certification

DAVID S. SERES, M.D.

2000 – present	Field Physician, Emergency Medical Service, Suffolk County, New York
2000 – present	Member, Rescue, Ocean Beach Volunteer Fire Department, Ocean Beach, New York
2001	Member, A.S.P.E.N./People to People Nutrition Support Delegation to People's Republic of China
2001 – present	American Red Cross, Disaster Services/Logistics/Health Services
2002 – 2003	Medical Advisor, Dietitians in Nutrition Support, American Dietetic Association
2002 - 2005	Member, Publications Review Board, American Society for Parenteral and Enteral Nutrition
2002 – present	Member, Disaster Medical Assistance Team (DMAT), National Disaster Medical System
2002 - present	Member, Editorial Board, and Reviewer, <u>Nutrition in Clinical Practice</u> , a peer-reviewed journal of the American Society for Parenteral and Enteral Nutrition
2003 – 2005	Member, Safe Practices Revision Task Force, American Society for Parenteral and Enteral Nutrition
2004	Contributor, Self-Assessment Program Committee, American Society for Parenteral and Enteral Nutrition
2004 – present	Member, Medical Reserve Corps, City of New York
2004 – 2005	Member, TPN Order Writing Tutorial Task Force, American Society for Parenteral and Enteral Nutrition
2004 - 2005	Chair, Geriatric Core Curriculum Development Task Force, American Society for Parenteral and Enteral Nutrition
2005 - 2006	Member, Standards Committee, American Society for Parenteral and Enteral Nutrition
2005 – 2008	Member, Lung and Aerodigestive Cancers Research Working Group, Albert Einstein College of Medicine
2005 – 2008	Secretary, Medical Practice Section, American Society for Parenteral and Enteral Nutrition
2006 – present	Member, Research Section, American Society for Parenteral and Enteral Nutrition
2006 – 2008	Member, Education and Professional Development Committee, American Society for Parenteral and Enteral Nutrition
2006 - 2008	Chair, New Product Development, American Society for Parenteral and Enteral Nutrition
2007 – present	Member, Advisory Board, Medical Reserve Corps, Bureau of Emergency Management, New York City Department of Health and Mental Hygiene
2007 – 2009	Member, ACCGME Accreditation Task Force, American Society for Parenteral and Enteral Nutrition
2007 – 2008	Member, Clinical Guidelines Committee, American Society for Parenteral and Enteral Nutrition
2010 - 2012	Chair, Medical Practice Section, American Society for Parenteral and Enteral Nutrition
2010 – 2012	Member, Nominations Committee, American Society for Parenteral and Enteral Nutrition
2010 – 2011	Member, Interdisciplinary Review Course, American Society for Parenteral and Enteral Nutrition
2010 – present	Member, Education and Professional Development Committee, and Physician Nutrition Education Subcommittee, American Society for Nutrition
2010	Delegate, Nutrition Physician Shortage Summit Meeting, representing the American Society for Parenteral and Enteral Nutrition
2011 – 2012	Chair, Interdisciplinary Nutrition Support Review Course, American Society for Enteral and Parenteral Nutrition

DAVID S. SERES, M.D.

2011	Delegate, Summit on Parenteral Nutrition Safety, American Society of Parenteral and Enteral Nutrition
2012 - present	Member, Parenteral Nutrition Safety Taskforce, American Society of Parenteral and Enteral Nutrition
2012 – present	Member, Medical Advisory Board, <u>Consumer Reports</u>
2012 – present	Member, Membership Committee, American Society of Parenteral and Enteral Nutrition
2012 – present	Member, Senior Educator & Mentor Nominating Panel, American Society for Nutrition

DAVID S. SERES, M.D.

EDITORIAL

2002- present Member, Editorial Board, Nutrition in Clinical Practice

MANUSCRIPT REVIEW FOR REFEREED JOURNALS

The Medical Letter
Nutrition in Clinical Practice
Chest
Journal of Parenteral and Enteral Nutrition
Clinical Chemistry
Endocrine Practice
Acta Paediatrica
Pediatrics
Journal of Pain and Symptom Management

PUBLICATIONS

ORIGINAL, PEER REVIEW PUBLICATIONS

1. Fornace, AJ, Seres, DS, Lechner JF, Harris, CC. DNA-Protein cross-linking by chromium salts. Chem.-Biol. Interactions. 1981; **36**: 345-354.
2. Seres, DS, Fornace, AJ. Normal response of Fanconi's Anemia cells to high concentrations of oxygen as determined by alkaline elution. Biochemica et Biophysica Acta. 1982; **698**: 237-242.
3. Fornace, AJ, Seres, DS. Repair of trans-Pt(II)diamminedichloride DNA-protein cross links in normal and excision-deficient human cells. Mutation Research. 1983; **5**: 111-117.
4. Fornace, AJ, Seres, DS. Detection of DNA single-strand breaks during repair of UV damage in xeroderma pigmentosum cells. Radiation Research. 1983; **93**: 107-111.
5. Kalin, M, Poretsky, L, Seres, DS, Zumoff, B. Hyporeninemic hypoaldosteronism associated with the acquired immune deficiency syndrome. The American Journal of Medicine. 1987; **82**: 1035-1038.
6. Zumoff, B, Strain, GW, Miller, LK, Rosner, W, Seres, DS, Senie, RT, Rosenfeld, RS. Plasma free testosterone is decreased in obese men in proportion to their degree of obesity. Journal of Clinical Endocrinology and Metabolism. 1990, **71**: 929-931.
7. Seres, DS, Bunk, M, Osborne, M, Rivlin, R, Tiwari, R. Effects of marginal dietary zinc deficiency and vitamin E supplementation on hepatic adenine dinucleotide phosphoribosyl transferase (ADPRT) activity in female Sprague Dawley rats. Nutrition Research. 1991; **11**: 337-346.
8. Seres, DS, Strain, GW, Hashim, S, Goldberg, I, Levin, NW. Improvement of plasma lipid profiles during high-flux dialysis. Journal of the American Society of Nephrology. 1993; **3**:1409-1415.
9. Seres, DS, Compher, C, Seidner, D, Byham-Gray, L, Gervasio, J, McClave, S, The A.S.P.E.N. Standards and Guidelines Committees. 2005 American Society for Parenteral and Enteral Nutrition (A.S.P.E.N.) Standards and Guidelines Survey. Nutrition in Clinical Practice, Oct 2006; **21**: 529 – 532.
10. Seres, DS, Sacks, G, Pedersen, C, Canada, T, Johnson, D, Kumpf, V, Guenter, P, Petersen, C, Mirtallo, J. Parenteral Nutrition Safe Practices: Results of the 2003 American Society for Parenteral and Enteral Nutrition Survey. Journal of Parenteral and Enteral Nutrition (JPEN), 2006;**30**: 259 - 265.
11. Badjatia N, Carpenter A, Fernandez L, Schmidt JM, Mayer SA, Claassen J, Lee K, Connolly ES, Seres D, Elkind MSV. Relationship between C-reactive protein, systemic oxygen consumption and delayed cerebral ischemia after aneurysmal subarachnoid hemorrhage. Stroke. 2011 Sep;**42**(9):2436-42. Epub 2011 Jul 14

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12. Badjatia N, Seres D, Carpenter A, Schmidt J, Lee K, Mayer S, Claassen J, Connolly ES, Elkind M. Free fatty acids and delayed cerebral ischemia after subarachnoid hemorrhage. Stroke. 2012 Mar;43(3):691-6.
13. Schmidt MJ, Claassen J, Ko S, Lantigua H, Presciutti M, Lee K, Connolly ES, Mayer SA, Seres DS, Badjatia N. Effect of nutritional support and insulin administration on brain tissue glucose and energy metabolism after poor grade SAH. Critical Care. In press, 2012

REVIEWS, CHAPTERS AND EDITORIALS

1. Seres, DS. Insulin adsorption to infusion materials: Case report and review of the literature. Nutrition in Clinical Practice. 1990; 5: 111-117.
2. Seres, DS, Resserecion, L. Kwashiorkor: Dymetabolism versus malnutrition. Nutrition in Clinical Practice. 2003; 18:297-301.
3. Seres, DS. Nutritional Assessment: Current concepts and guidelines for the busy physician. Practical Gastroenterology; 2003; 27: 30-29.
4. Seres, DS. Indications for Total (Central) Parenteral Nutrition. In Nutrition Secrets, Second Edition. Elsevier, 2003. Charles Van Way and Carol Ireton-Jones, Eds.
5. Seres, DS, Lieu, C, Petrocelli, D. Food-Drug Interactions. In Nutrition Secrets, Second Edition. Elsevier, 2003. Charles Van Way and Carol Ireton-Jones, Eds.
6. Task Force for the Revision of Safe Practices for Parenteral Nutrition: Safe practices for parenteral nutrition. Journal of Parenteral and Enteral Nutrition. 2005; 28: S39-S70.
7. Seres, DS. "Surrogate Nutritional Markers, Malnutrition, and Adequacy of Nutrition Support". Nutrition in Clinical Practice. 2005; 20: 308 - 313.
8. Seres, DS. Nutrition Based Home Care and the Gastroenterologist. In A Gastroenterologists Guide to Nutrition and Nutrition Support. M DeLegge, Ed. Humana, 2007.
9. Malone, AM, Seres DS, Lord, L. Complications of Enteral Nutrition Therapy. In The Science and Practice of Nutrition Support: A case based core curriculum. ASPEN, 2007.
10. Carper, E, Seres, DS, Fleishman, S. Non-surgical Support of Patients with Head and Neck Cancer. In Head and Neck Cancer: A Multidisciplinary Approach, Third Edition. Lippincott, Williams and Wilkins. Louis B. Harrison, Roy B. Sessions, Waun K. Hong, Eds, 2008.
11. Seres, DS. Safe Care After Surgery: Questions Patients Need to Ask. Xlibris. D Shulkin, Ed, 2009.
12. Seres, DS. Evidence Based Nutrition Support: Is a recession a good thing? Invited editorial. Nutrition in Clinical Practice, October 2009; 24, 541-542.
13. Seres, DS. Overview of Nutrition Support in Critical Illness. On UpToDate, www.uptodate.com. July, 2009. Revised annually
14. Seres, DS. Enteral Nutrition in Critical Illness. On UpToDate, www.uptodate.com. July, 2009. Revised annually
15. Seres, DS. Parenteral Nutrition in Critical Illness. On UpToDate, www.uptodate.com. July, 2009. Revised annually
16. Seres DS. Nutritional Support of the Postoperative Cardiac Surgery Patient. In: Sladen, RN (Ed). Postoperative Cardiac Care. Monograph, Society of Cardiovascular Anesthesiologists (SCA), 2010. LWW-Kluwer, Philadelphia.
17. Ireton-Jones, C, Seres, DS. Home Nutrition Support Therapy. In Nutritional Management of Digestive Disorders. CRC Press, 2010. B. Banerjee, Ed.
18. Kim D, Seres DS. Nutrition support in NICU. In: Lee, The Neuro-ICU Book, First Edition, 2011. McGraw-Hill Inc., New York, NY. K. Lee, Ed.
19. Seres D. Prescribing parenteral nutrition safely. JPEN. Journal of parenteral and enteral nutrition. Mar 2012;36(2 Suppl):27S-28S.
20. Seres, DS, Chernoff R. Nutrition Support in Older Adults, in Geriatric Nutrition, 4th Edition, R Chernoff and A Barrocas, Eds. Jones & Bartlett. In press 2012.

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21. Guillaume A, Seres DS. Safety of enteral feeding in patients with open abdomen, upper gastrointestinal bleed, and perforation peritonitis. *Nutrition In Clinical Practice*. Aug 2012;27(4):513-520.
22. Seres, DS, Valcarcel, M, Guillaume, A. Advantages of Enteral Nutrition (EN) over Parenteral Nutrition (PN). Submitted 2012
23. Seres, DS, Safe Practices in the Stone Ages of 2012. In preparation, 2012
24. Seres, DS. Nutrition Support in Pulmonary Diseases. In Fishman's Pulmonary Diseases and Disorders, 5th Ed. In preparation.
25. Seres, DS. Nutritional Issues in Surgical Patients. On UpToDate, www.uptodate.com. In preparation.

ABSTRACTS

1. Kalin, M, Poretsky, L, Seres, DS, Zumoff, B. Hyporeninemic hypoaldosteronism associated with the acquired immune deficiency syndrome. Presented at the 68th annual meeting of The Endocrine Society, Anaheim, California, June, 1986.
2. Bunk, M, Dnistrian, A, Seres, DS, Schwartz, M, Rivlin, R. Regulation of plasma concentrations of vitamin E by marginal intake of dietary zinc. Presented at the annual meeting of ASCI, Washington, DC, 1988.
3. Seres, DS, Strain, GW, Hashim, S, Goldberg, I, Levin, NW. Plasma triglyceride (TG) metabolism is enhanced by elevation of lipase activity as a result of high flux (HF) hemodialysis in patients with end stage renal disease. *The American Journal of Clinical Nutrition*. 1991; **53**: P-28 (Abstract #94).
4. Seres, DS, Sacks, G, Mirtallo, J, Canada, T, Kumpf, V, Peterson, C, Guenter, P. The 2003 Survey of Parenteral Nutrition Practices. *Journal of Parenteral and Enteral Nutrition*. 2005; **29**:S16 (Abstract #032) Presented at Scientific Paper Session, Clinical Nutrition Week, Orlando, Florida, February 2005
5. Fukunaga, M, Barnes, J, Lacticova, V, Seres, DS, Mayo, P. Selenium Deficiency Induced Cardiomyopathy in a Patient With a History of Gastric Bypass Surgery. October, 2008 (Abstract CS242), American College of Chest Physicians, Chest 2008.
6. Gupta R, Wyman R, Juhng S, Gupta V, Seres D. Effect of product choice on cost per calorie for enteral nutrition support. February, 2009 (Abstract NPP-80), American Society of Parenteral and Enteral Nutrition
7. Gupta R, Gupta V, Rothsein B, Seres D. Reduced Cost and Incidence of Tube Clogging Without Increasing Volume by Using Dilute High-protein Feed vs. Concentrated Feed Plus Protein Powder in ICU. February, 2009 (Abstract NPP-31), American Society of Parenteral and Enteral Nutrition
8. Kim DW, Seres DS. Skin Reaction Associated With Intravenous Fat Emulsion: Case report and review of the literature. February, 2010 (Abstract P89), American Society of Parenteral and Enteral Nutrition
9. Kim DW, Seres DS. Comparison of Ideal Body Weight Equations Using Height. 2010 (Abstract P12), American Society of Parenteral and Enteral Nutrition
10. Badjatia N, Fernandez L, Friedman L, Karmally W, Schmidt JM, Mayer SA, Connolly ES, Claassen J, Lee K, Seres D. Impact of inflammation on energy balance and substrate utilization after aneurysmal subarachnoid hemorrhage. 39th Congress of the Society of Critical Care Medicine, Miami, FL, January 10, 2010.
11. Seres DS, Polmanteer L, Carpenter A, Fernandez L, Badjatia N. Increased Calorie Delivery Results from Feeding Protocol in Neurological Intensive Care Unit. 2011, American Society of Parenteral and Enteral Nutrition. *Winner: Abstract of Distinction Award*.
12. Badjatia N, Monohan A, Carpenter A, Friedman L, Zimmerman J, Schmidt JM, Claassen J, Lee K, Connolly ES, Mayer SA, Karmally W, Seres DS. Underfeeding and protein catabolism lead to hospital-acquired infections in subarachnoid hemorrhage patients. 2012, American Society of Parenteral and Enteral Nutrition. *Winner: Abstract of Distinction Award*.

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13. Sedlis E, Merriman M, Seres D. Academy Of Nutrition And Dietetics/American Society For Parenteral And Enteral Nutrition Recommended...Dietitian Approved! A Validation Study Of The Standardized Adult Malnutrition Criteria. NY State Dietetic Association Meeting and Expo, 2012
14. Kwon, HJ, Cho, HG, Cho, JH, Han, KJ, Kim, JM, Kim YU, Seres, DS. Could soft diet be used as a initial diet plan in patients with acute mild non-biliary pancreatitis? Asian Pacific Digestive Week 2012, Bangkok, Thailand

PATENTS

Application: Anti-inflammatory and pro-anabolic effects of the Combination of omega-3 poly-unsaturated fatty acids and glutamine - International Application no. PCT/US2011/030688 - filed March 31, 2011, which claims benefit of U.S. Serial No. 61/416,695, filed November 23, 2010. P. Christian Schulze, MD, co-inventor.

INVITED EDUCATIONAL PRESENTATIONS 2008-2011:

1. January, 2008, New York Methodist Hospital, Brooklyn, NY, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
2. February, 2008, Columbia University Medical Center, Division of Critical Care Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
3. February, 2008, Staten Island University Hospital, Staten Island, NY, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
4. February, 2008, Beth Israel Medical Center, New York, NY, Department of Urology Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
5. May, 2008, Harlem Hospital Medical Center, New York, NY, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
6. May, 2008, Beth Israel Medical Center, Newark, NJ, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
7. September, 2008 to present, Columbia University Medical Center, Division of Critical Care Anesthesia, monthly conference: "Nutrition Myths"
8. September, 2008, Beth Israel Medical Center, Fundamental Critical Care Support Course: "Fluid and Electrolyte Disturbances in the Critically III"
9. September, 2008, Columbia University Medical Center, Division of Neurological Critical Care Conference: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
10. October, 2008, Metropolitan Chicago Healthcare Council Second Annual Conference and Exhibition, Chicago, IL: "Nutritional Strategies To Improve Outcomes in Acutely and Critically III Patients"
11. October, 2008, Kent Hospital, Providence, RI, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
12. October, 2008, St. Vincent's Medical Center, New York, NY, Department of Medicine Grand Rounds: "Evidence Based Nutrition Support: Nutrition Support Has Little To Do With Nourishment"
13. October, 2008, Columbia University Medical Center, Division of Critical Care Grand Rounds: "Nutrition Support at Columbia: A new era".

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14. November, 2008, Department of Urology Grand Rounds, Columbia University Medical Center, "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely Ill"
15. November, 2008, Division of Gastroenterology Grand Rounds, Weill Cornell Medical Center, "Evidence Based Nutrition Support of the Acutely Ill"
16. December, 2008, Division of Nephrology Grand Rounds, Columbia University Medical Center, "Evidence Based Nutrition Support of the Acutely Ill"
17. December, 2008, Division of Pulmonary and Critical Care Medicine, Columbia University Medical Center, Fellows' Conference, "Nutrition and Metabolic Support for the Critically Ill"
18. February, 2009, Department of Medicine, Columbia University Medical Center, Resident's Conference, "Evidence Based Nutrition Support of the Acutely Ill"
19. February, 2009, Columbia University College of Physicians and Surgeons, Fourth Year Students Clinical Practice IV Conference, "Nutrition and Metabolism in Acute and Chronic Illness"
20. April, 2009, Weill Cornell Medical College, Basic Sciences Series in Nutrition, "Nutrition and Aging"
21. April and May, 2009, Division of Gastroenterology, Columbia University Medical Center, Fellows' Conference, "Overview of Nutrition Support (2 Parts)"
22. April, 2009, Hoboken University Medical Center, Hoboken, NJ. Combined Medical/Surgical Grand Rounds, "Evidence Based Nutrition Support of the Acutely Ill"
23. June, 2009, Beth Israel Medical Center, Department of Medicine Resident's Conference, "Nutrition and Metabolism in Acute and Chronic Illness"
24. July, 2009, Department of Surgery, Columbia University Medical Center, Resident's Conference, "Overview of Nutrition Support (2 Parts)"
25. September, 2009, Columbia University Medical Center, Division of Critical Care Grand Rounds: "New Guidelines for Nourishing the Critically Ill"
26. October, 2009, Columbia University Medical Center, Division of Critical Care, Fellows Conference "Overview of Nutrition Support (2 parts)"
27. October, 2009, Columbia University College of Physicians and Surgeons, Fourth Year Medical Student Seminar: "Nutrition and Metabolism in Acute and Chronic Illness"
28. April, 2010, University of Maryland School of Medicine, Division of Endocrinology Grand Rounds: "Update on Nutrition Support of the Acutely Ill"
29. June, 2010, Pan Asian Congress of Nephrology, Seoul, Korea: "Nutrition in Progressive Renal Disease", "Nutrition in Chronic Renal Failure"
30. June, 2010, Myong Ji Hospital, Kwandong University, Gyeonggi-Do, Korea, Department of Medicine Grand Rounds: "Evidence-based Nutrition Support of the Acutely Ill"
31. June, 2010, Columbia University Medical Center, Division of Gastroenterology, Fellows Conference "Overview of Nutrition Support"
32. June, 2010, Columbia University Medical Center, Department of Surgery, Residents' Conference "Introduction to Nutrition Support"
33. August, 2010, Columbia University, College of Physicians and Surgeons, Internal Medicine Intensive Review, "Nutritional Issues in the Hospitalized Patient"
34. September, 2010, Nutrition and Aging Conference, University of Arkansas for Medical Sciences, Little Rock, AK. "Nutrition Support for the Sick Elderly"
35. October, 2010, Columbia University, College of Physicians and Surgeons, Medical School Second Year Curriculum, "Introduction to Nutritional Assessment"
36. October, 2010, Columbia University, College of Physicians and Surgeons, Medical School Second Year Curriculum, "Nutrition in Aging and Illness"
37. October, 2010, Columbia University Medical Center, Division of Endocrinology, Grand Rounds, "Evidence-based Nutrition Support of the Acutely Ill"
38. October, 2010, Columbia University, College of Physicians and Surgeons, Medical School Fourth Year Curriculum, "Evidence-based Nutrition Support of the Acutely Ill"
39. December, 2010, Annual Nutrition Support Symposium, Vitoria, Espirito Santo, Brazil "Redefining Malnutrition"
40. December, 2010, Annual Nutrition Support Symposium, Vitoria, Espirito Santo, Brazil "Timing and Indications for Nutrition Support in the Critically Ill"

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41. January, 2011, Interdisciplinary Nutrition Support Review Course, Clinical Nutrition Week (American Society of Parenteral and Enteral Nutrition), "Nutrition Assessment for Nutrition Support Practice", Vancouver, British Columbia
42. March 2011, Columbia University, College of Physicians and Surgeons, Medical School Fourth Year Curriculum, "Evidence-based Nutrition Support of the Acutely Ill"
43. April, 2011, Weill Cornell Medical College, Basic Sciences Series in Nutrition, "Nutrition and Aging"
44. April, 2011, Eastern Tennessee State University Medical School, Invited Special Lecture, "Nutrition as a Medical Specialty: Opportunities and pitfalls"
45. June, 2011, Second Hospital Nutrition State of the Art Summit, Manila, Philippines, Keynote address, "Hospital Nutrition Care Systems: Best practices"
46. June, 2011, PRI-Med, New York, NY, "Identification, Assessment and Intervention for Nutritional Issues in Medical Practice"
47. June, 2011, Nurse Practitioner Core Curriculum, School of Nursing, Columbia University, New York, "Introduction to Nutrition Assessment and Therapy in Hospitalized Patients"
48. June, 2011, Nutrition Support Review Course (Webinar), American Society for Parenteral and Enteral Nutrition, "Nutrition Assessment"
49. July, 2011, 17th Annual Update & Intensive Review of Internal Medicine, Columbia University College of Physicians and Surgeons, "Identification, Assessment and Intervention for Nutritional Issues in Medical Practice"
50. July, 2011, Combined Critical Care Fellows Conference, Columbia University Medical Center, "Parenteral Nutrition"
51. October, 2011, Columbia University, College of Physicians and Surgeons, Medical School Fourth Year Curriculum, "Evidence-based Nutrition Support of the Acutely Ill"
52. October, 2011, Columbia University, College of Physicians and Surgeons, The Hunger Banquet, "The Triple Burden of Global Malnutrition"
53. October, 2011, Columbia University, College of Physicians and Surgeons, Body in Health and Disease - Second-year Gastroenterology Section, "Introduction to Applied Nutrition"
54. December, 2011, Reunion Nacional De La Asociacion Mexicana de Medicina Critica Y Terapia Intensiva, Mexico City, Mexico, "Enteral vs Parenteral Nutrition in the ICU"
55. January, 2012, Columbia University College of Physicians and Surgeons, Division of Gastroenterology Fellows Core Curriculum, "Nutrition1"
56. January, 2012, American Society of Parenteral and Enteral Nutrition annual meeting, Orlando, FL, "Underfeeding and protein catabolism lead to hospital-acquired infections in subarachnoid hemorrhage patients"
57. February, 2012, Columbia University College of Physicians and Surgeons, Clinical Practice IV, "Nutrition Support in the Acutely Ill has Little to do with Nourishment"
58. March, 2012, Yale University School of Medicine, Division of Gastroenterology, New Haven, CT, "Evidence-based Multidisciplinary Nutrition Support"
59. March, 2012, Columbia University College of Physicians and Surgeons, Clinical Practice IV, "Nutrition Support in the Acutely Ill has Little to do with Nourishment"
60. May, 2012, 18th Annual Update & Intensive Review of Internal Medicine, Columbia University College of Physicians and Surgeons, "Identification, Assessment and Intervention for Nutritional Issues in Medical Practice"
61. May, 2012, Columbia University Medical Center, Milstein Hospital Nursing Unit In-service "Nutrition Support Myths and Practice Issues"
62. June, 2012, Nutrition Support Review Course (Webinar), American Society for Parenteral and Enteral Nutrition, "Nutrition Assessment"
63. June, 2012, Columbia University College of Physicians and Surgeons, Mechanisms and Practice, "Nutrition Support for the Acutely Ill"
64. June, 2012, Weekly Conference, Hospitalist Service, Allen Hospital, Columbia University Medical Center, "Overview of Nutrition for Hospitalized Patients"
65. August, 2012, Internal Medicine Conference, Columbia University Medical Center, "Evidence Based Nutrition Support for the Acutely Ill"
66. September, 2012, Columbia University Medical Center, Department of Urology Grand Rounds, "Nutrition Support and Metabolic Alterations in the Acutely Ill"

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67. October, 2012, Mt. Sinai Medical Center, New York, NY, Division of Endocrinology Fellows Conference, "Enteral Nutrition Support"
68. October, 2012, Columbia University Medical Center, Department of Obstetrics and Gynecology, Division of Gynecological Oncology Grand Rounds, "Nutrition and Metabolism in the Acutely Ill"
69. October, 2012, Long Island Society of Parenteral and Enteral Nutrition, Nassau County Medical Center, "Malnutrition Revisited: New Definitions, Financial Impact, and Does Malnutrition have anything to do with Nourishment?"

DAVID S. SERES, M.D., Sc.M., P.N.S.

Prepared September 5, 2012

Director, Medical Nutrition and Nutrition Support Service
Associate Professor of Medical Nutrition
Columbia University College of Physicians and Surgeons and
Institute of Human Nutrition
630 W 168th Street P&S 9-501
New York, NY 10032

Date of Birth: April 1, 1958
Place of Birth: Philadelphia, PA, USA
Citizenship: US

EDUCATION

6/1981	B.S., Zoology, University of Maryland, College Park
6/1985	M.D., Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA
5/2010	Sc.M. (Master of Science), Healthcare Management, Harvard University School of Public Health, Boston, MA

POSTGRADUATE TRAINING

7/85 - 6/88	Intern and Resident, Department of Internal Medicine, Beth Israel Medical Center, New York
7/88 - 6/89	Research Fellow, Department of Clinical Nutrition, Memorial Sloan- Kettering Cancer Center, New York
7/88 - 6/90	Fellow, Clinical Nutrition, Department of Internal Medicine, Beth Israel Medical Center, New York (externships at St. Luke's/Roosevelt, Harvard/Children's Hospital, and Tufts)

CERTIFICATION AND LICENSURE

3/1986 – 3/31/2012	New York State License, Registration #168056-1
3/1988 – 2/28/2013	DEA Controlled Substances Registration, #BS 1765378
6/1981 – 8/28/2012	Advanced Cardiac Life Support
9/1988 – present	American Board of Internal Medicine
11/2006 – 11/2016	American Board of Physician Nutrition Specialists

SOCIETIES AND MEMBERSHIPS

1990 - present	American Society for Parenteral and Enteral Nutrition
1990 - present	American College of Physicians
1994 - present	American Society for Nutrition
1994 - present	FASEB
2002 - present	NAASO, The Obesity Society
2009 – present	American College of Physician Executives

DAVID S. SERES, M.D.

ACADEMIC APPOINTMENTS

1/2003 – 7/2008	Assistant Professor, Medicine, Albert Einstein College of Medicine, Bronx, NY
2009 – 2011	Assistant Professor of Clinical Medicine, Columbia University College of Physicians and Surgeons and Institute of Human Nutrition
2009 – current	Chair, Nutrition Curriculum Committee, Columbia University College of Physicians and Surgeons and Institute of Human Nutrition
2012 – current	Associate Professor of Clinical Medicine, Columbia University College of Physicians and Surgeons and Institute of Human Nutrition

HOSPITAL APPOINTMENTS

7/1990 – 7/2008	Attending Physician, Department of Medicine, Beth Israel Medical Center, New York
10/1990 – 10/2009	Attending Physician, Department of Medicine, Saint Vincent's Hospital and Medical Center
4 - 5/2005	Acting Director, Department of Medicine, New York Eye and Ear Infirmary, New York
2/2006 – 7/2008	Chief, Division of Perioperative Medicine and Nutrition Support, Beth Israel Medical Center, New York
7/28/2008 - present	Director, Medical Nutrition, Columbia University Medical Center, New York

AWARDS AND HONORS

1987	International AIDS Research Award (for studies of hyporeninemic hypoaldosteronism in AIDS), 3 rd International AIDS Conference
1988	The Loet A. Velmans Fellowship in Nutrition Research, Memorial Sloan Kettering Cancer Center, New York
1991	Annual Clinical Nutrition Fellows Research Award, American Society for Clinical Nutrition
1991	Elected Member, American Society for Clinical Nutrition
2011	American Society of Parenteral and Enteral Nutrition. Winner: Abstract of Distinction Award
2012	American Society of Parenteral and Enteral Nutrition. Winner: Abstract of Distinction Award

GRANT SUPPORT

The Loet A. Velmans Fellowship in Nutrition Research, Memorial Sloan Kettering Cancer Center, New York - 1988

Irving Institute Collaborative and Multidisciplinary Pilot Research Award - 2009. Co-Investigator. Development of an Ambulatory Lung Assist Device for Acute Respiratory Distress Syndrome. \$75,000

Irving Institute/Columbia University Clinical Trials Office Imaging Pilot Award Program - 2010. Irving Institute for Clinical and Translational Research (CTSA for Columbia University Medical Center). Co-Principal Investigator. Effects of Glutamine and Fish Oil on Muscle Function in Heart Failure (GlutFish-HF) \$50,000

Abbott Nutrition, Investigator Initiated Study - 2011. Principal Investigator. Pilot Study Evaluating The Efficacy, Tolerance And Safety Of Vital Af (Semi Elemental, High Protein, High Omega 3 Fat Enteral Formula) Versus Osmolite 1.2 (High Protein Enteral Formula) In Multiple ICU Settings (Medical, Surgical, Cardiothoracic) \$159,000

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Abbot Nutrition, Educational Grant – 2011. Course Director. Adult Fellows Nutrition Support Conference. National faculty and a regional audience of fellowship trainees were gathered to create a free video curriculum to be made available on line for physicians in residency or fellowship. \$59,000.

Abbot Nutrition, Educational Grant – 2012. Course Director. Adult Fellows Nutrition Support Conference. National faculty and a regional audience of fellowship trainees were gathered to create a free video curriculum to be made available on line for physicians in residency or fellowship. \$59,000.

CURRENT RESEARCH

- Comparison of gastrointestinal complications feeding ICU patients with predigested and standard tube feeding products - PI
- Improvement of skeletal muscle dysfunction in patients with advanced congestive heart failure with supplementation of glutamine and/or omega-3 fats - Co-PI
- Metabolic response to intracerebral hemorrhage – Co-PI
- Impact on attitudes and skills in assessing nutrition issues in third and fourth-year student patient evaluations – PI
- Early vs delayed feeding after cystectomy and ileal conduit – Co-PI
- Quantification of excess infection rate due to TPN in patients with central venous catheters – Co-PI
- Extracorporeal Mechanical Oxygenation as an alternative to mechanical ventilation – Outcomes and metabolic benefits – Collaborator
- Nutritional impact of Continuous Venovenous Hemodialysis – Collaborator
- Impact of intravenous omega-3 fats on lung injury in mice – Collaborator
- A Randomized, Double Blind, Placebo Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of SAR236553/REGN727 in Patients With Heterozygous Familial Hypercholesterolemia Not Adequately Controlled With Their Lipid Modifying Therapy, Coinvestigator
- A Randomized, Double Blind, Placebo Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of SAR236553/REGN727 in Patients With Heterozygous Familial Hypercholesterolemia and LDLC higher or equal to 160mg/dL with Their Lipid Modifying Therapy.
- A Randomized Double Blinded Controlled Trial of an Oral Nutritional Supplement Containing AN 777 in Older Hospitalized Patients, PI
- Columbia Cerebral Palsy Center Registry, Contributor

HOSPITAL AND UNIVERSITY COMMITTEES

1993 - 2004	Member, Food and Nutrition Committee, St. Vincent's Medical Center
1998 - 2004	Member, Medical Board, St. Vincent's Medical Center
2002 - 2008	Member, Surgical Intensive Care Unit Quality Improvement Committee, Beth Israel Medical Center
2003 - 2006	Member, Physician Advisory Group for Development of Computer Order Entry System, Beth Israel Medical Center
2005 - 2008	Member, Medical Board, Beth Israel Medical Center
2005 - 2008	Chair, Nutrition Committee, Beth Israel Medical Center
2006 - 2008	Member, PICC Utilization Task Force, Beth Israel Medical Center
2007 - 2008	Member, Transfusion Committee, Beth Israel Medical Center
2007 - 2008	Member, Ethics Committee, Beth Israel Medical Center

DAVID S. SERES, M.D.

COLUMBIA UNIVERSITY MEDICAL CENTER/NEW YORK PRESBYTERIAN HOSPITAL

2008 - current	Chair, Nutrition Curriculum for Medical Students Committee, Columbia College of Physicians and Surgeons and Institute of Human Nutrition
2008 – current	Co-Chair, Nutrition Advisory Board, NYP
2008 – current	Member, Ventricular Assist Device Multidisciplinary Clinical Oversight Team
2008 – current	Member, Ventilator Management Team
2008 – 2009	Member, Ventricular Assist Device JACOH Disease Specific Care Certification Committee
2008 - current	Member, Combined Surgical Intensive Care Quality Committee,
2008 – current	Member, End of Life Task Force
2009 – current	Member, EDIXA (Electronic Documentation in EclipsysXA) Committee
2009, 2012	Member, Bariatric Surgery JACOH Disease Specific Care Certification Committee
2009 – current	Member, McKeen Pavilion Steering Committee
2009 – 2010	Member, Department of Medicine Eclipsys Implementation Group
2010 – current	Member, ISCAG (Information Systems Clinical Advisory Group)
2010 – current	Member, Ethics Committee
2010 – 2011	Member, Weights and Measures Workgroup
2010 – current	Member, Clinical Decision Support Committee
2010 – current	Member, Working Group for Clinical/Epidemiological Research, Department of Medicine
2010 – current	Member, Bowel Transplant Selection and Clinical Oversight Committee
2010 – current	Member, Emergency Preparedness Committee
2011 – current	Member, Dietetic Internship Steering Committee
2011 – current	Chair, End of Life Task Force
2012 – current	Member, Early and Adequate Nutrition Task Force

EDUCATIONAL RESPONSIBILITIES

- Director, Medical Student Curriculum in Nutrition, Columbia University College of Physicians and Surgeons
- Fellowship Director, Nutrition Support, Columbia University Medical Center
- Monthly lecture to ICU residents – Nutrition Support Basics, Columbia University Medical Center
- Teaching attending – Department of Medicine, Columbia University Medical Center, Annually
- Course Director, Interdisciplinary Review Course, American Society for Parenteral and Enteral Nutrition, 2011-2012.
- Course Director – Adult Fellows Nutrition Conference, Columbia University Medical Center 2011, 2012
- Course Director – First Annual Abbott Fellows Nutrition Conference, Chicago, IL, 2012

OTHER PROFESSIONAL ACTIVITIES

1994	Advisor - Nutrition: AIDS Institute, Department of Health, State of New York
1995	Chair, Subcommittee for Priority Development, Geriatric Practice Interest Committee, American Society for Enteral and Parenteral Nutrition
2000 - 2006	Chair, Physician Certification; Member, Board of Directors, National Board of Nutrition Support Certification

DAVID S. SERES, M.D.

2000 – present	Field Physician, Emergency Medical Service, Suffolk County, New York
2000 – present	Member, Rescue, Ocean Beach Volunteer Fire Department, Ocean Beach, New York
2001	Member, A.S.P.E.N./People to People Nutrition Support Delegation to People's Republic of China
2001 – present	American Red Cross, Disaster Services/Logistics/Health Services
2002 – 2003	Medical Advisor, Dietitians in Nutrition Support, American Dietetic Association
2002 - 2005	Member, Publications Review Board, American Society for Parenteral and Enteral Nutrition
2002 – present	Member, Disaster Medical Assistance Team (DMAT), National Disaster Medical System
2002 - present	Member, Editorial Board, and Reviewer, <u>Nutrition in Clinical Practice</u> , a peer-reviewed journal of the American Society for Parenteral and Enteral Nutrition
2003 – 2005	Member, Safe Practices Revision Task Force, American Society for Parenteral and Enteral Nutrition
2004	Contributor, Self-Assessment Program Committee, American Society for Parenteral and Enteral Nutrition
2004 – present	Member, Medical Reserve Corps, City of New York
2004 – 2005	Member, TPN Order Writing Tutorial Task Force, American Society for Parenteral and Enteral Nutrition
2004 - 2005	Chair, Geriatric Core Curriculum Development Task Force, American Society for Parenteral and Enteral Nutrition
2005 - 2006	Member, Standards Committee, American Society for Parenteral and Enteral Nutrition
2005 – 2008	Member, Lung and Aerodigestive Cancers Research Working Group, Albert Einstein College of Medicine
2005 – 2008	Secretary, Medical Practice Section, American Society for Parenteral and Enteral Nutrition
2006 – present	Member, Research Section, American Society for Parenteral and Enteral Nutrition
2006 – 2008	Member, Education and Professional Development Committee, American Society for Parenteral and Enteral Nutrition
2006 - 2008	Chair, New Product Development, American Society for Parenteral and Enteral Nutrition
2007 – present	Member, Advisory Board, Medical Reserve Corps, Bureau of Emergency Management, New York City Department of Health and Mental Hygiene
2007 – 2009	Member, ACCGME Accreditation Task Force, American Society for Parenteral and Enteral Nutrition
2007 – 2008	Member, Clinical Guidelines Committee, American Society for Parenteral and Enteral Nutrition
2010 - 2012	Chair, Medical Practice Section, American Society for Parenteral and Enteral Nutrition
2010 – 2012	Member, Nominations Committee, American Society for Parenteral and Enteral Nutrition
2010 – 2011	Member, Interdisciplinary Review Course, American Society for Parenteral and Enteral Nutrition
2010 – present	Member, Education and Professional Development Committee, and Physician Nutrition Education Subcommittee, American Society for Nutrition
2010	Delegate, Nutrition Physician Shortage Summit Meeting, representing the American Society for Parenteral and Enteral Nutrition
2011 – 2012	Chair, Interdisciplinary Nutrition Support Review Course, American Society for Enteral and Parenteral Nutrition

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2011	Delegate, Summit on Parenteral Nutrition Safety, American Society of Parenteral and Enteral Nutrition
2012 - present	Member, Parenteral Nutrition Safety Taskforce, American Society of Parenteral and Enteral Nutrition
2012 – present	Member, Medical Advisory Board, <u>Consumer Reports</u>
2012 – present	Member, Membership Committee, American Society of Parenteral and Enteral Nutrition
2012 – present	Member, Senior Educator & Mentor Nominating Panel, American Society for Nutrition

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EDITORIAL

2002- present Member, Editorial Board, Nutrition in Clinical Practice

MANUSCRIPT REVIEW FOR REFEREED JOURNALS

The Medical Letter
Nutrition in Clinical Practice
Chest
Journal of Parenteral and Enteral Nutrition
Clinical Chemistry
Endocrine Practice
Acta Paediatrica
Pediatrics
Journal of Pain and Symptom Management

PUBLICATIONS

ORIGINAL, PEER REVIEW PUBLICATIONS

1. Fornace, AJ, Seres, DS, Lechner JF, Harris, CC. DNA-Protein cross-linking by chromium salts. Chem.-Biol. Interactions. 1981; **36**: 345-354.
2. Seres, DS, Fornace, AJ. Normal response of Fanconi's Anemia cells to high concentrations of oxygen as determined by alkaline elution. Biochemica et Biophysica Acta. 1982; **698**: 237-242.
3. Fornace, AJ, Seres, DS. Repair of trans-Pt(II)diamminedichloride DNA-protein cross links in normal and excision-deficient human cells. Mutation Research. 1983; **5**: 111-117.
4. Fornace, AJ, Seres, DS. Detection of DNA single-strand breaks during repair of UV damage in xeroderma pigmentosum cells. Radiation Research. 1983; **93**: 107-111.
5. Kalin, M, Poretzky, L, Seres, DS, Zumoff, B. Hyporeninemic hypoaldosteronism associated with the acquired immune deficiency syndrome. The American Journal of Medicine. 1987; **82**: 1035-1038.
6. Zumoff, B, Strain, GW, Miller, LK, Rosner, W, Seres, DS, Senie, RT, Rosenfeld, RS. Plasma free testosterone is decreased in obese men in proportion to their degree of obesity. Journal of Clinical Endocrinology and Metabolism. 1990, **71**: 929-931.
7. Seres, DS, Bunk, M, Osborne, M, Rivlin, R, Tiwari, R. Effects of marginal dietary zinc deficiency and vitamin E supplementation on hepatic adenine dinucleotide phosphoribosyl transferase (ADPRT) activity in female Sprague Dawley rats. Nutrition Research. 1991; **11**: 337-346.
8. Seres, DS, Strain, GW, Hashim, S, Goldberg, I, Levin, NW. Improvement of plasma lipid profiles during high-flux dialysis. Journal of the American Society of Nephrology. 1993; **3**:1409-1415.
9. Seres, DS, Compher, C, Seidner, D, Byham-Gray, L, Gervasio, J, McClave, S, The A.S.P.E.N. Standards and Guidelines Committees. 2005 American Society for Parenteral and Enteral Nutrition (A.S.P.E.N.) Standards and Guidelines Survey. Nutrition in Clinical Practice, Oct 2006; **21**: 529 – 532.
10. Seres, DS, Sacks, G, Pedersen, C, Canada, T, Johnson, D, Kumpf, V, Guenter, P, Petersen, C, Mirtallo, J. Parenteral Nutrition Safe Practices: Results of the 2003 American Society for Parenteral and Enteral Nutrition Survey. Journal of Parenteral and Enteral Nutrition (JPEN), 2006;**30**: 259 - 265.
11. Badjatia N, Carpenter A, Fernandez L, Schmidt JM, Mayer SA, Claassen J, Lee K, Connolly ES, Seres D, Elkind MSV. Relationship between C-reactive protein, systemic oxygen consumption and delayed cerebral ischemia after aneurysmal subarachnoid hemorrhage. Stroke. 2011 Sep;**42**(9):2436-42. Epub 2011 Jul 14

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12. Badjatia N, Seres D, Carpenter A, Schmidt J, Lee K, Mayer S, Claassen J, Connolly ES, Elkind M. Free fatty acids and delayed cerebral ischemia after subarachnoid hemorrhage. Stroke. 2012 Mar;43(3):691-6.
13. Schmidt MJ, Claassen J, Ko S, Lantigua H, Presciutti M, Lee K, Connolly ES, Mayer SA, Seres DS, Badjatia N. Effect of nutritional support and insulin administration on brain tissue glucose and energy metabolism after poor grade SAH. Critical Care. In press, 2012

REVIEWS, CHAPTERS AND EDITORIALS

1. Seres, DS. Insulin adsorption to infusion materials: Case report and review of the literature. Nutrition in Clinical Practice. 1990; 5: 111-117.
2. Seres, DS, Resserecion, L. Kwashiorkor: Dymetabolism versus malnutrition. Nutrition in Clinical Practice. 2003; 18:297-301.
3. Seres, DS. Nutritional Assessment: Current concepts and guidelines for the busy physician. Practical Gastroenterology; 2003; 27: 30-29.
4. Seres, DS. Indications for Total (Central) Parenteral Nutrition. In Nutrition Secrets, Second Edition. Elsevier, 2003. Charles Van Way and Carol Ireton-Jones, Eds.
5. Seres, DS, Lieu, C, Petrocelli, D. Food-Drug Interactions. In Nutrition Secrets, Second Edition. Elsevier, 2003. Charles Van Way and Carol Ireton-Jones, Eds.
6. Task Force for the Revision of Safe Practices for Parenteral Nutrition: Safe practices for parenteral nutrition. Journal of Parenteral and Enteral Nutrition. 2005; 28: S39-S70.
7. Seres, DS. "Surrogate Nutritional Markers, Malnutrition, and Adequacy of Nutrition Support". Nutrition in Clinical Practice. 2005; 20: 308 - 313.
8. Seres, DS. Nutrition Based Home Care and the Gastroenterologist. In A Gastroenterologists Guide to Nutrition and Nutrition Support. M DeLegge, Ed. Humana, 2007.
9. Malone, AM, Seres DS, Lord, L. Complications of Enteral Nutrition Therapy. In The Science and Practice of Nutrition Support: A case based core curriculum. ASPEN, 2007.
10. Carper, E, Seres, DS, Fleishman, S. Non-surgical Support of Patients with Head and Neck Cancer. In Head and Neck Cancer: A Multidisciplinary Approach, Third Edition. Lippincott, Williams and Wilkins. Louis B. Harrison, Roy B. Sessions, Waun K. Hong, Eds, 2008.
11. Seres, DS. Safe Care After Surgery: Questions Patients Need to Ask. Xlibris. D Shulkin, Ed, 2009.
12. Seres, DS. Evidence Based Nutrition Support: Is a recession a good thing? Invited editorial. Nutrition in Clinical Practice, October 2009; 24, 541-542.
13. Seres, DS. Overview of Nutrition Support in Critical Illness. On UpToDate, www.uptodate.com. July, 2009. Revised annually
14. Seres, DS. Enteral Nutrition in Critical Illness. On UpToDate, www.uptodate.com. July, 2009. Revised annually
15. Seres, DS. Parenteral Nutrition in Critical Illness. On UpToDate, www.uptodate.com. July, 2009. Revised annually
16. Seres DS. Nutritional Support of the Postoperative Cardiac Surgery Patient. In: Sladen, RN (Ed). Postoperative Cardiac Care. Monograph, Society of Cardiovascular Anesthesiologists (SCA), 2010. LWW-Kluwer, Philadelphia.
17. Ireton-Jones, C, Seres, DS. Home Nutrition Support Therapy. In Nutritional Management of Digestive Disorders. CRC Press, 2010. B. Banerjee, Ed.
18. Kim D, Seres DS. Nutrition support in NICU. In: Lee, The Neuro-ICU Book, First Edition, 2011. McGraw-Hill Inc., New York, NY. K. Lee, Ed.
19. Seres D. Prescribing parenteral nutrition safely. JPEN. Journal of parenteral and enteral nutrition. Mar 2012;36(2 Suppl):27S-28S.
20. Seres, DS, Chernoff R. Nutrition Support in Older Adults, in Geriatric Nutrition, 4th Edition, R Chernoff and A Barrocas, Eds. Jones & Bartlett. In press 2012.

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21. Guillaume A, Seres DS. Safety of enteral feeding in patients with open abdomen, upper gastrointestinal bleed, and perforation peritonitis. *Nutrition In Clinical Practice*. Aug 2012;27(4):513-520.
22. Seres, DS, Valcarcel, M, Guillaume, A. Advantages of Enteral Nutrition (EN) over Parenteral Nutrition (PN). Submitted 2012
23. Seres, DS, Safe Practices in the Stone Ages of 2012. In preparation, 2012
24. Seres, DS. Nutrition Support in Pulmonary Diseases. In Fishman's Pulmonary Diseases and Disorders, 5th Ed. In preparation.
25. Seres, DS. Nutritional Issues in Surgical Patients. On UpToDate, www.uptodate.com. In preparation.

ABSTRACTS

1. Kalin, M, Poretsky, L, Seres, DS, Zumoff, B. Hyporeninemic hypoaldosteronism associated with the acquired immune deficiency syndrome. Presented at the 68th annual meeting of The Endocrine Society, Anaheim, California, June, 1986.
2. Bunk, M, Dnistrian, A, Seres, DS, Schwartz, M, Rivlin, R. Regulation of plasma concentrations of vitamin E by marginal intake of dietary zinc. Presented at the annual meeting of ASCI, Washington, DC, 1988.
3. Seres, DS, Strain, GW, Hashim, S, Goldberg, I, Levin, NW. Plasma triglyceride (TG) metabolism is enhanced by elevation of lipase activity as a result of high flux (HF) hemodialysis in patients with end stage renal disease. *The American Journal of Clinical Nutrition*. 1991; 53: P-28 (Abstract #94).
4. Seres, DS, Sacks, G, Mirtallo, J, Canada, T, Kumpf, V, Peterson, C, Guenter, P. The 2003 Survey of Parenteral Nutrition Practices. *Journal of Parenteral and Enteral Nutrition*. 2005; 29:S16 (Abstract #032) Presented at Scientific Paper Session, Clinical Nutrition Week, Orlando, Florida, February 2005
5. Fukunaga, M, Barnes, J, Lacticova, V, Seres, DS, Mayo, P. Selenium Deficiency Induced Cardiomyopathy in a Patient With a History of Gastric Bypass Surgery. October, 2008 (Abstract CS242), American College of Chest Physicians, Chest 2008.
6. Gupta R, Wyman R, Juhng S, Gupta V, Seres D. Effect of product choice on cost per calorie for enteral nutrition support. February, 2009 (Abstract NPP-80), American Society of Parenteral and Enteral Nutrition
7. Gupta R, Gupta V, Rothsein B, Seres D. Reduced Cost and Incidence of Tube Clogging Without Increasing Volume by Using Dilute High-protein Feed vs. Concentrated Feed Plus Protein Powder in ICU. February, 2009 (Abstract NPP-31), American Society of Parenteral and Enteral Nutrition
8. Kim DW, Seres DS. Skin Reaction Associated With Intravenous Fat Emulsion: Case report and review of the literature. February, 2010 (Abstract P89), American Society of Parenteral and Enteral Nutrition
9. Kim DW, Seres DS. Comparison of Ideal Body Weight Equations Using Height. 2010 (Abstract P12), American Society of Parenteral and Enteral Nutrition
10. Badjatia N, Fernandez L, Friedman L, Karmally W, Schmidt JM, Mayer SA, Connolly ES, Claassen J, Lee K, Seres D. Impact of inflammation on energy balance and substrate utilization after aneurysmal subarachnoid hemorrhage. 39th Congress of the Society of Critical Care Medicine, Miami, FL, January 10, 2010.
11. Seres DS, Polmanteer L, Carpenter A, Fernandez L, Badjatia N. Increased Calorie Delivery Results from Feeding Protocol in Neurological Intensive Care Unit. 2011, American Society of Parenteral and Enteral Nutrition. *Winner: Abstract of Distinction Award*.
12. Badjatia N, Monohan A, Carpenter A, Friedman L, Zimmerman J, Schmidt JM, Claassen J, Lee K, Connolly ES, Mayer SA, Karmally W, Seres DS. Underfeeding and protein catabolism lead to hospital-acquired infections in subarachnoid hemorrhage patients. 2012, American Society of Parenteral and Enteral Nutrition. *Winner: Abstract of Distinction Award*.

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13. Sedlis E, Merriman M, Seres D. Academy Of Nutrition And Dietetics/American Society For Parenteral And Enteral Nutrition Recommended...Dietitian Approved! A Validation Study Of The Standardized Adult Malnutrition Criteria. NY State Dietetic Association Meeting and Expo, 2012
14. Kwon, HJ, Cho, HG, Cho, JH, Han, KJ, Kim, JM, Kim YU, Seres, DS. Could soft diet be used as a initial diet plan in patients with acute mild non-biliary pancreatitis? Asian Pacific Digestive Week 2012, Bangkok, Thailand

PATENTS

Application: Anti-inflammatory and pro-anabolic effects of the Combination of omega-3 poly-unsaturated fatty acids and glutamine - International Application no. PCT/US2011/030688 - filed March 31, 2011, which claims benefit of U.S. Serial No. 61/416,695, filed November 23, 2010. P. Christian Schulze, MD, co-inventor.

INVITED EDUCATIONAL PRESENTATIONS 2008-2011:

1. January, 2008, New York Methodist Hospital, Brooklyn, NY, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
2. February, 2008, Columbia University Medical Center, Division of Critical Care Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
3. February, 2008, Staten Island University Hospital, Staten Island, NY, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
4. February, 2008, Beth Israel Medical Center, New York, NY, Department of Urology Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
5. May, 2008, Harlem Hospital Medical Center, New York, NY, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
6. May, 2008, Beth Israel Medical Center, Newark, NJ, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
7. September, 2008 to present, Columbia University Medical Center, Division of Critical Care Anesthesia, monthly conference: "Nutrition Myths"
8. September, 2008, Beth Israel Medical Center, Fundamental Critical Care Support Course: "Fluid and Electrolyte Disturbances in the Critically III"
9. September, 2008, Columbia University Medical Center, Division of Neurological Critical Care Conference: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
10. October, 2008, Metropolitan Chicago Healthcare Council Second Annual Conference and Exhibition, Chicago, IL: "Nutritional Strategies To Improve Outcomes in Acutely and Critically III Patients"
11. October, 2008, Kent Hospital, Providence, RI, Department of Medicine Grand Rounds: "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely III"
12. October, 2008, St. Vincent's Medical Center, New York, NY, Department of Medicine Grand Rounds: "Evidence Based Nutrition Support: Nutrition Support Has Little To Do With Nourishment"
13. October, 2008, Columbia University Medical Center, Division of Critical Care Grand Rounds: "Nutrition Support at Columbia: A new era".

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14. November, 2008, Department of Urology Grand Rounds, Columbia University Medical Center, "Nutrition Support Has Little To Do With Nourishment: New Concepts in Nutritional Assessment, Parenteral and Enteral Nutrition in The Acutely Ill"
15. November, 2008, Division of Gastroenterology Grand Rounds, Weill Cornell Medical Center, "Evidence Based Nutrition Support of the Acutely Ill"
16. December, 2008, Division of Nephrology Grand Rounds, Columbia University Medical Center, "Evidence Based Nutrition Support of the Acutely Ill"
17. December, 2008, Division of Pulmonary and Critical Care Medicine, Columbia University Medical Center, Fellows' Conference, "Nutrition and Metabolic Support for the Critically Ill"
18. February, 2009, Department of Medicine, Columbia University Medical Center, Resident's Conference, "Evidence Based Nutrition Support of the Acutely Ill"
19. February, 2009, Columbia University College of Physicians and Surgeons, Fourth Year Students Clinical Practice IV Conference, "Nutrition and Metabolism in Acute and Chronic Illness"
20. April, 2009, Weill Cornell Medical College, Basic Sciences Series in Nutrition, "Nutrition and Aging"
21. April and May, 2009, Division of Gastroenterology, Columbia University Medical Center, Fellows' Conference, "Overview of Nutrition Support (2 Parts)"
22. April, 2009, Hoboken University Medical Center, Hoboken, NJ. Combined Medical/Surgical Grand Rounds, "Evidence Based Nutrition Support of the Acutely Ill"
23. June, 2009, Beth Israel Medical Center, Department of Medicine Resident's Conference, "Nutrition and Metabolism in Acute and Chronic Illness"
24. July, 2009, Department of Surgery, Columbia University Medical Center, Resident's Conference, "Overview of Nutrition Support (2 Parts)"
25. September, 2009, Columbia University Medical Center, Division of Critical Care Grand Rounds: "New Guidelines for Nourishing the Critically Ill"
26. October, 2009, Columbia University Medical Center, Division of Critical Care, Fellows Conference "Overview of Nutrition Support (2 parts)"
27. October, 2009, Columbia University College of Physicians and Surgeons, Fourth Year Medical Student Seminar: "Nutrition and Metabolism in Acute and Chronic Illness"
28. April, 2010, University of Maryland School of Medicine, Division of Endocrinology Grand Rounds: "Update on Nutrition Support of the Acutely Ill"
29. June, 2010, Pan Asian Congress of Nephrology, Seoul, Korea: "Nutrition in Progressive Renal Disease", "Nutrition in Chronic Renal Failure"
30. June, 2010, Myong Ji Hospital, Kwandong University, Gyeonggi-Do, Korea, Department of Medicine Grand Rounds: "Evidence-based Nutrition Support of the Acutely Ill"
31. June, 2010, Columbia University Medical Center, Division of Gastroenterology, Fellows Conference "Overview of Nutrition Support"
32. June, 2010, Columbia University Medical Center, Department of Surgery, Residents' Conference "Introduction to Nutrition Support"
33. August, 2010, Columbia University, College of Physicians and Surgeons, Internal Medicine Intensive Review, "Nutritional Issues in the Hospitalized Patient"
34. September, 2010, Nutrition and Aging Conference, University of Arkansas for Medical Sciences, Little Rock, AK. "Nutrition Support for the Sick Elderly"
35. October, 2010, Columbia University, College of Physicians and Surgeons, Medical School Second Year Curriculum, "Introduction to Nutritional Assessment"
36. October, 2010, Columbia University, College of Physicians and Surgeons, Medical School Second Year Curriculum, "Nutrition in Aging and Illness"
37. October, 2010, Columbia University Medical Center, Division of Endocrinology, Grand Rounds, "Evidence-based Nutrition Support of the Acutely Ill"
38. October, 2010, Columbia University, College of Physicians and Surgeons, Medical School Fourth Year Curriculum, "Evidence-based Nutrition Support of the Acutely Ill"
39. December, 2010, Annual Nutrition Support Symposium, Vitoria, Espirito Santo, Brazil "Redefining Malnutrition"
40. December, 2010, Annual Nutrition Support Symposium, Vitoria, Espirito Santo, Brazil "Timing and Indications for Nutrition Support in the Critically Ill"

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41. January, 2011, Interdisciplinary Nutrition Support Review Course, Clinical Nutrition Week (American Society of Parenteral and Enteral Nutrition), "Nutrition Assessment for Nutrition Support Practice", Vancouver, British Columbia
42. March 2011, Columbia University, College of Physicians and Surgeons, Medical School Fourth Year Curriculum, "Evidence-based Nutrition Support of the Acutely Ill"
43. April, 2011, Weill Cornell Medical College, Basic Sciences Series in Nutrition, "Nutrition and Aging"
44. April, 2011, Eastern Tennessee State University Medical School, Invited Special Lecture, "Nutrition as a Medical Specialty: Opportunities and pitfalls"
45. June, 2011, Second Hospital Nutrition State of the Art Summit, Manila, Philippines, Keynote address, "Hospital Nutrition Care Systems: Best practices"
46. June, 2011, PRI-Med, New York, NY, "Identification, Assessment and Intervention for Nutritional Issues in Medical Practice"
47. June, 2011, Nurse Practitioner Core Curriculum, School of Nursing, Columbia University, New York, "Introduction to Nutrition Assessment and Therapy in Hospitalized Patients"
48. June, 2011, Nutrition Support Review Course (Webinar), American Society for Parenteral and Enteral Nutrition, "Nutrition Assessment"
49. July, 2011, 17th Annual Update & Intensive Review of Internal Medicine, Columbia University College of Physicians and Surgeons, "Identification, Assessment and Intervention for Nutritional Issues in Medical Practice"
50. July, 2011, Combined Critical Care Fellows Conference, Columbia University Medical Center, "Parenteral Nutrition"
51. October, 2011, Columbia University, College of Physicians and Surgeons, Medical School Fourth Year Curriculum, "Evidence-based Nutrition Support of the Acutely Ill"
52. October, 2011, Columbia University, College of Physicians and Surgeons, The Hunger Banquet, "The Triple Burden of Global Malnutrition"
53. October, 2011, Columbia University, College of Physicians and Surgeons, Body in Health and Disease - Second-year Gastroenterology Section, "Introduction to Applied Nutrition"
54. December, 2011, Reunion Nacional De La Asociacion Mexicana de Medicina Critica Y Terapia Intensiva, Mexico City, Mexico, "Enteral vs Parenteral Nutrition in the ICU"
55. January, 2012, Columbia University College of Physicians and Surgeons, Division of Gastroenterology Fellows Core Curriculum, "Nutrition1"
56. January, 2012, American Society of Parenteral and Enteral Nutrition annual meeting, Orlando, FL, "Underfeeding and protein catabolism lead to hospital-acquired infections in subarachnoid hemorrhage patients"
57. February, 2012, Columbia University College of Physicians and Surgeons, Clinical Practice IV, "Nutrition Support in the Acutely Ill has Little to do with Nourishment"
58. March, 2012, Yale University School of Medicine, Division of Gastroenterology, New Haven, CT, "Evidence-based Multidisciplinary Nutrition Support"
59. March, 2012, Columbia University College of Physicians and Surgeons, Clinical Practice IV, "Nutrition Support in the Acutely Ill has Little to do with Nourishment"
60. May, 2012, 18th Annual Update & Intensive Review of Internal Medicine, Columbia University College of Physicians and Surgeons, "Identification, Assessment and Intervention for Nutritional Issues in Medical Practice"
61. May, 2012, Columbia University Medical Center, Milstein Hospital Nursing Unit In-service "Nutrition Support Myths and Practice Issues"
62. June, 2012, Nutrition Support Review Course (Webinar), American Society for Parenteral and Enteral Nutrition, "Nutrition Assessment"
63. June, 2012, Columbia University College of Physicians and Surgeons, Mechanisms and Practice, "Nutrition Support for the Acutely Ill"
64. June, 2012, Weekly Conference, Hospitalist Service, Allen Hospital, Columbia University Medical Center, "Overview of Nutrition for Hospitalized Patients"
65. August, 2012, Internal Medicine Conference, Columbia University Medical Center, "Evidence Based Nutrition Support for the Acutely Ill"
66. September, 2012, Columbia University Medical Center, Department of Urology Grand Rounds, "Nutrition Support and Metabolic Alterations in the Acutely Ill"

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67. October, 2012, Mt. Sinai Medical Center, New York, NY, Division of Endocrinology Fellows Conference, "Enteral Nutrition Support"
68. October, 2012, Columbia University Medical Center, Department of Obstetrics and Gynecology, Division of Gynecological Oncology Grand Rounds, "Nutrition and Metabolism in the Acutely Ill"
69. October, 2012, Long Island Society of Parenteral and Enteral Nutrition, Nassau County Medical Center, "Malnutrition Revisited: New Definitions, Financial Impact, and Does Malnutrition have anything to do with Nourishment?"