Curriculum Vitae of

John K. Stene, Jr., M.D., Ph.D.

April 6th, 2011

PERSONAL

Current Title:	Professor of Anesthesiology and Neurosurgery Penn State Milton S. Hershey Medical Center
Office Address:	Department of Anesthesiology Penn State Milton S. Hershey Medical Center 500 University Drive, Mailcode H187 Hershey, PA 17033-0850
Citizenship:	U.S. Citizen

EDUCATION

Undergraduate:	Hanover College Hanover, IN	B.A., 1968
Medical:	Johns Hopkins University School of Medicine Baltimore, MD	M.D., 1973
Graduate:	Johns Hopkins University School of Hygiene and Public Health Baltimore, MD	Ph.D., 1974
Postgraduate Medical Education:	Internship - Department of Medicine Baltimore City Hospitals, Baltimore, MD	1973 - 1974
	Anesthesia Residency Massachusetts General Hospital, Boston, MA	1974 - 1977
	Clinical Fellowship in Anesthesia Harvard Medical School, Boston, MA	1974 - 1976
	Fellowship in Respiratory Intensive Care Unit Massachusetts General Hospital, Boston, MA [Critical Care Fellowship under the direction of Henning Pontippidan, M.D., Director of Respiratory Intensive Care Unit and Respiratory Therapy]	1976 - 1977
	Research Fellowship in Anesthesia Harvard Medical School, Boston, MA	1976 - 1977

APPOINTMENTS

Present:	Professor of Anesthesiology and Neurosurgery Penn State College of Medicine Hershey, PA	07/2007 - present
	Director of Critical Care Division, Department of Anesthesiology Penn State Milton S. Hershey Medical Center Hershey, PA	2008 - present
	Attending Physician Neuroscience Intensive Care Unit and **Anesthesia Surgery Intensive Care Unit** Penn State Milton S. Hershey Medical Center Hershey, PA	2006 - present
	Director of Perioperative Anesthesia Trauma Services Penn State Milton S. Hershey Medical Center	1988-present
Previous:	Professor of Anesthesiology Penn State College of Medicine	07/2001 - 07/2007
	Co-Director, Anesthesia/Surgical Intensive Care Unit Milton S. Hershey Medical Center	1994 - 2006
	Associate Professor of Anesthesia Penn State College of Medicine	1991 - 2001
	Medical Director of Post-anesthesia Care Unit Milton S. Hershey Medical Center	1989 - 1993
	Assistant Professor of Anesthesia Penn State College of Medicine	1988 - 1991
	Medical Director of Respiratory Care Montebello Rehabilitation Center Baltimore, MD	1985 - 1988
	Director of Anesthesia; Medical Director of Respiratory Care; Maryland Institute for Emergency Medical Services Systems Baltimore, MD	1983 - 1988

APPOINTMENTS

Previous:	Clinical Assistant Professor Department of Anesthesiology University of Maryland School of Medicine Baltimore, MD	1980 - 1988
	Anesthesiologist Maryland Institute for Emergency Medical Services Systems	1980 - 1983
	Medical Director of Respiratory Therapy Johns Hopkins Hospital Baltimore, MD	1978 - 1980
	Faculty, School of Nurse Anesthesia Johns Hopkins Hospital	1978 - 1980
	Assistant Professor of Anesthesiology Johns Hopkins University	1978 - 1988

COMMITTEE ACTIVITIES (CURRENT)

Hospital:

Adult Critical Care Board
- Sedation Committee of Adult Critical Care Board

Parenteral and Enteral Nutrition Subcommittee of Pharmacy and Therapeutics Committee
Trauma Core Group

Department:

Clinical Improvement Committee, Co-Chairman
Clinical Competence Committee
Clinical Management Committee
Continuing Education Committee
Executive Committee
Resident Evaluation Committee
Chief Scheduling Anesthesiologist Group
IRB Review Committee
Appointment, Promotion and Tenure Committee
Fellowship Education Committee
Grand Rounds Steering Committee

COMMITTEE ACTIVITIES (PAST–PENN STATE COLLEGE OF MEDICINE/HERSHEY MED. CTR.)

University:	Pennsylvania State University Faculty Senate (07/2007-06/2009) Institutional Review Board (Vice Chair of Board A, 2004-2007) Search Committee for Chair of Orthopaedic Surgery
Hospital:	Medical Staff Quality Improvement Committee Utilization Review Committee Emergency Services Committee Educational Resources Advisory Committee Emergency Services Task Force Medical Staff Peer Review Committee Quality Physician Liaison Committee Nutrition Support Service Trauma Core Group, Co-Chairman Planning Committee for Challenges in Critical Care (years 1-4)
Department:	Anesthesia/Surgical Intensive Care Committee, Co-Chairman Quality Assurance Committee

SPECIALTY AND SUBSPECIALTY CERTIFICATION

Diplomate American Board of Anesthesiology	1978
Certified Critical Care Specialist, American Board of Anesthesiology	1986

ELECTIVE CERTIFICATION

American College of Surgeons Advanced Trauma Life Support, Instructor	1981 - 2001
American College of Surgeons Advanced Trauma Life Support, Provider	2001 - present
American Heart Association Advanced Cardiac Life Support Provider	2005 - present

LICENSURE

Maryland #D15516 – currently inactive	1973
Massachusetts #39306 – currently inactive	1976
Pennsylvania #MD-042182-E	1988

PROFESSIONAL SOCIETY MEMBERSHIP

American Society of Anesthesiologists	1974 - present
Maryland/DC Society of Anesthesiologists	1978 - 1988
American Association of Respiratory Care	1980 - present
International Anesthesia Research Society	1981 - present
Society of Critical Care Medicine	1981 - present
American Thoracic Society	1981 - 1997

New York Academy of Sciences	1982 - 1995
Society of Neurosurgical Anesthesia and Neurologic Supportive Care	1982 - 1993
American Association for Automotive Medicine	1983 - 1999
American Academy of Clinical Anesthesia	1984 - 1985
Medical and Chirurgical Faculty of the State of Maryland	1984 - 1988
Baltimore City Medical Society	1984 - 1988
Baltimore Critical Care Medicine Society	1984 - 1988
American Medical Association	1985 - present
Canadian Anaesthetists Society	1985 - present
Pennsylvania Society of Anesthesiologists	1988 - present
International Trauma Anesthesia and Critical Care Society (ITACCS) (now Trauma Care International)	1988 - present
Pennsylvania Medical Society	1989 - present
Dauphin County Medical Society	1989 - present
Association of University Anesthesiologists	1992 - present
American Society of Trauma Anesthesiologists	1994 - 1997
ITACCS, U.S.A.	1997 - 2007
Pennsylvania Society of Critical Care Medicine (PaSCCM)	1998 - present
Fellow – College of Critical Care Medicine (FCCM)	**2011 -**

PROFESSIONAL SOCIETY ACTIVITIES

President, International Trauma Anesthesia and Critical Care Society	1988 - 1992
Organizing Committee for 1st-10th Annual Trauma Anesthesia and Critical Care Symposia	1988 – 1997
Standards Committee Pennsylvania Trauma Systems Foundation	1988 - 1992
Alternate Director, American Society of Anesthesiologists, District 7	1987 - 1988
President, Maryland/DC Society of Anesthesiologists	1984 - 1986
Secretary, Maryland/DC Society of Anesthesiologists	1982 - 1984
Peer Review Committee, Maryland/DC Society of Anesthesiologists	1985 - 1988
Legislative Committee, Maryland/DC Society of Anesthesiologists	1985 - 1987
Risk Management/Monitoring Committee, Maryland/DC Society of Anesthesiologists	1985 - 1986
Committee on Panels of the American Society of Anesthesiologists	1991 - 1995
President, American Society of Trauma Anesthesiologists	1994 - 1997
President, ITACCS, USA	1997 - 1998
Executive Committee – PaSCCM	1998 - 1999
Education Committee – PaSCCM	1999 - 2005
President-Elect – PaSCCM	2000 - 2001
President – PaSCCM	2001 - 2003
Subcommittee on Respiration of the American Society of Anesthesiologists	2004 - 2008
Chairman of SCCM Committee on Chapters and Affiliates	2005 - 2006
Non-Voting Member of SCCM Council	2005 - 2006
Pennsylvania Medical Society Leadership Council/ Representing PaSSCM	2008 - present

EDITORIAL AND REVIEW ACTIVITIES

Co-Editor of *TRAUMA CARE*--official publication of ITACCS	1998 - 2003
Chief Editor of *TRAUMA CARE*	2003 - 2009
Abstract Reviewer for annual meeting of the American Society of Anesthesiologist	2004 - 2008
Abstract Reviewer for annual meeting of the Society of Critical Care Medicine	2003 - 2008
Journal peer reviewer for *Anesthesiology*	1993 - 1997

PROFESSIONAL INVITATIONS

2009

04/02 "QI Update," Department of Anesthesiology, Penn State Hershey Medical Center

2008

06/11 "Anesthesia for Trauma Patient with Difficult Airway," Trauma Care International Annual Meeting, Yokohama, Japan

09/25 "Anesthetic Approach to Major Orthopedic Trauma," Combined Trauma/Anesthesia Grand Rounds, Penn State Hershey Medical Center, Hershey, PA

10/16 "Critical Care Division Update," Anesthesiology Grand Rounds, Penn State Hershey Medical Center

2007

05/15 "Update on ECMO for Trauma Patients," Trauma Care 2007 – 20th Annual Trauma Anesthesia & Critical Care Symposium, Las Vegas, NV

2006

03/13 "Trauma Anesthesia and Airway Management," Montefiore Hospital, New York, NY

03/31 "Airway Management for Trauma Patients," Nursing Trauma Course, Penn State Hershey Medical Center

04/13 "QI/QA Grand Rounds," Department of Anesthesiology, Penn State Hershey Medical Center

05/04 "Trauma Anesthesia," Anesthesiology Grand Rounds, Penn State Hershey Medical Center

06/22 "Trauma Topics," Anesthesiology Grand Rounds, Penn State Hershey Medical Center

2005

09/08 "Reversal of Neuromuscular Blockade," Quality Improvement Grand Rounds, Department of Anesthesiology, Penn State Hershey Medical Center

10/27 "Hepatic Failure in ICU," Quality Improvement Grand Rounds with C. Barbieri, M.D., Anesthesiology resident, Penn State Hershey Medical Center

2004

04/29 "Trauma Topics," Spring Quality Assurance Conference/Anesthesiology Grand Rounds, Penn State Hershey Medical Center

08/27 "To TPN or Not to TPN in the Critically Ill," Ninth Annual Challenges in Critical Care – A Multidisciplinary Approach, Hershey, PA

2003

03/27 "Sedation of Trauma Patients," Multidisciplinary Trauma Conference – Surgery Grand Rounds speaker, Penn State Hershey Medical Center

2002

05/24 Faculty panel member for 15th Annual Trauma Anesthesia and Critical Care Symposium Panel on Trauma Journals, Stavanger, Norway

08/01 "Physiology of Mechanical Ventilation," Critical Care Fellows Lecture Series, Penn State Hershey Medical Center

2001

08/24 Co-Organizer of the Sixth Annual Challenges in Critical Care Meeting, Hershey, PA.

09/27 "Fluid Management in the Trauma Patient,"Multidisciplinary Trauma Conference – Anesthesiology/Surgery Grand Rounds, Penn State Hershey Medical Center

10/04 "Physiology of Mechanical Ventilation," Critical Care Lecture Series, Penn State Hershey Medical Center

2000

02/14 "Use of Neuromuscular Blocking Drugs in Trauma Patients," Sunrise Seminar for the Society of Critical Care Medicine Annual Meeting, Orlando, FL

03/30 – 04/02 3 lectures and 1 panel: "The Patient's Perspective in Trauma History;" "Early versus Delayed Fluid Resuscitation;" "The Future of Trauma Anesthesia." Visiting Professor at CECANZ Single Theme meeting, New Plymouth, New Zealand

04/03 – 04/04 "Anesthesia for Trauma Patients," Visiting Professor, Department of Anaesthetics, Wellington Hospital, Wellington, New Zealand

06/03 Organizer of Penn State Trauma Anesthesia Conference, Hershey, PA.

08/27 "Difficult Airway Management in Trauma Patients," Challenges in Critical Care meeting, Hershey, PA

09/05 – 09/06 "Immediate vs. Delayed Fluid Resuscitation," "Airway Management," "Spinal Cord Injury," "Controversies in Organ Donation;" Faculty presenter at ITACCS CME Meeting, Las Vegas, NV

09/21 "Physiology of Mechanical Ventilation," Critical Care Fellows Lecture Series, Penn State Hershey Medical Center

1999

03/22 "Anesthesia in Emergency Room," "Fluid Resuscitation for Trauma," "Spinal 03/25 Cord Injury," "Organ Donation Controversies," "Head Injuries." Multidisciplinary Trauma Conference, Whistler, British Columbia, Canada

05/13 "Antithrombotics in Trauma Care: Benefits and Pitfalls," "End Points of 05/15 Shock Resuscitation in the O.R." 12th Annual Trauma Anesthesia and Critical Care Symposium, Chicago, IL. President's Lecture.

08/05 "Physiology of Mechanical Ventilation," Critical Care Fellows Lecture Series, Penn State Hershey Medical Center

10/01 "New Devices for Airway Management," Annual Trauma Conference, Hershey, PA.

1998

01/08 – "Controversies in Organ Donation," "Developing a Trauma Anesthesia

01/11 Program," "Difficult Airway Management for Trauma Patient," "Anesthetic Management of Spinal Cord Injuries," "Management of Acute Brain Injuries.' Faculty and Organizer of Multidisciplinary Trauma Conference sponsored by ITACCS-USA, Incline, NV.

01/22 "Controversies in Organ Donation," Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center, Hershey, PA

03/13 Science Demonstration, Hershey Intermediate School, Hershey, PA

05/21 – 05/23 "Controversies in Organ Donation," President's Forum Lecture at the 11th Annual Trauma Anesthesia and Critical Care Symposium, Vienna, Austria

07/20 – 07/23 "Airway Management, Case Presentation," "Spinal Cord Injury Management," "Early vs. Delayed Fluid Resuscitation," 3 hands-on workshops. Faculty and Organizer of Multidisciplinary Trauma Anesthesia and Critical Care Symposium, Cape Cod, MA

10/08 "Delayed Versus Immediate Fluid Resuscitation," Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center

10/17 "Pharmacokinetics and Pharmacodynamics of Rocuronium in the ICU," American Society of Anesthesiologists' Annual Meeting, Orlando, FL

11/11 – 11/14 "Trauma Anesthesia"; "Shock Resuscitation"; "Airway Management"; "Inhalation Injury," Pan American Trauma Society Annual Meeting, Buenos Aires, Argentina

1997

01/14 – 01/17 "Is Your Disaster Plan Adequate," "Pediatric Trauma," "Serious Head Injury," "Spinal Cord Injury," "The ABC's of Trauma Care," Faculty and Organizer of Multidisciplinary Trauma Conference sponsored by ITACCS, ASTA, Aspen, CO

03/13 "Disaster Plan," Department of Anesthesia Grand Rounds, Hershey Medical Center

03/14 Science Demonstration, Hershey Intermediate School, Hershey, PA

03/25 "Use of NMBS for Trauma Patients," Visiting Professor, Cooper Hospital, Camden, NJ

08/29 "Airway Management,"Faculty and Organizer of Multidisciplinary Critical Care Conference, Hershey, PA

10/02 "Preventing Renal Failure in the Trauma Patient," C.L.A.S.A. Meeting, Santiago de Chile, South America

10/10 "Resuscitation Priorities for Trauma Patients," Anesthesia Grand Rounds, Reading Hospital, Reading, PA

10/31 "Airway Management for Trauma Patients," Anesthesia Grand Rounds, Reading Hospital, Reading, PA

1996

01/25 Science Demonstration, Hershey Intermediate School, Hershey, PA

05/15 – 05/17 Faculty and Organizer of the ATACCS IX Meeting, London, England

1995

01/12 – 01/15 "The Typical Trauma Patient: The Full Stomach", "Coagulopathy and Transfusion Guidelines in Trauma," Trauma Anesthesia '95 sponsored by ITACCS, ASTA, Incline Village, NV

02/17 Science Demonstration, Hershey Intermediate School, Hershey, PA

03/15 "Airway Management of the Trauma Patient," Visiting Professor, Jefferson Medical College, Philadelphia, PA

05/11 – 05/13 "Oxygenation in the Trauma Patient," Faculty and Organizing Committee, ATACCS VIII, Baltimore, MD

09/13 – 09/17 Faculty and Organizer of the Trauma Anesthesia Update meeting sponsored by ITACCS and ASTA, Kiawah Island, SC. Presented 4 lectures.

11/14 "Trauma Anesthesia," Visiting Professor at University of Dunedin, Dunedin, New Zealand

11/15 "Critical Care for Trauma Patients," Visiting Professor, Tauranga Hospital, Tauranga, New Zealand

11/16 – 11/17 "Spinal Cord Injury", "Acute Head Injury", "Airway Management in the Trauma Patient" presented at C.A.N.Z. Meeting, Palmerston North, New Zealand

1994

01/23 – 01/16 "The Typical Trauma Patient: the Full Stomach", "O_2 Uptake and Delivery in the Trauma Patient", presented at Workshop on the Difficult Airway at Trauma Anesthesia '94 meeting, sponsored by ITACCS, ASTA, and ASCCA, Squaw Valley, CA

02/16 "Alternative Methods of Oxygenation in Trauma Patients," Visiting Professor at Mt. Sinai Hospital, Department of Anesthesia, New York, NY

03/15 "Airway Management in Trauma," Visiting Professor, Metrohealth Medical Center, Cleveland, OH

04/06 "Metabolic Response to Trauma," Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center

04/22 – 04/24 "Management of Maxillo-Facial Injuries," Faculty and Organizing Committee of 7th ATACCS, Paris, France

11/01 – 11/02 "Newer Modes of Oxygenation in Trauma Patients", "Airway Management in Trauma Patients." Visiting Professor at the Department of Anesthesia of the University of Kentucky, Lexington, KY

1993

01/10 – 01/14 "Airway Management Workshop: BAAM, MIAT, Cricoid Pressure," "Gas Exchange in Trauma Patients," presented at the Trauma Anesthesia '93 meeting, sponsored by the International Trauma Anesthesia and Critical Care Society, Incline Village, NV

01/20 "Cellular Respiration," Department of Anesthesia Grand Rounds Lecturer, Milton S. Hershey Medical Center

05/19 "Fluid Resuscitation," "Role of the Trauma Anesthesiologist Critical Care Specialists," Visiting Professor in the Department of Anesthesia, University of Virginia, Charlottesville, VA

05/20 – 05/23 "BAAM, MIAT, Cricoid Pressure for Airway Management of Trauma Patient," "Acute and Chronic Renal Failure in the Trauma Patient," 6th Annual Trauma Anesthesia and Critical Care Symposium, Baltimore, MD

10/11 Organizer and Panel Member at American Society of Anesthesiologists' annual meeting, Washington, DC. Panel – "Out of OR Anesthesia", "Anesthesia for Radiology Procedures".

1992

01/09 "Trauma Anesthesia I and Trauma Anesthesia II," Visiting Professor, Department of Anesthesia University of Oregon Health Sciences Center, Portland, OR

02/14 "Organization of a Level 1 Trauma Anesthesia Program," Hahneman University Annual Symposium of Trauma Anesthesia, Orlando, FL

03/09 "Fluid Resuscitation in the Trauma Patient," Anesthesia/Surgery Grand Rounds, Franklin Square Hospital, Baltimore, MD

03/25 "Controversies in Nutritional Therapy," Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center

05/02 "Fluid Resuscitation of the Surgical Patient," Annual Meeting of the Pennsylvania Association of Nurse Anesthetists, Reading, PA

05/05 "Ventilator Management," Visiting Lecturer, Pennsylvania Hospital Insurance Company (Phico), Mechanicsburg, PA

05/07 "Airway Management for the Trauma Patient," Anesthesia/Surgery Grand Rounds, University of California at Davis, School of Medicine, Sacramento, CA

05/08 "Trauma Anesthesia," Anesthesia Grand Rounds, Walnut Creek Hospital, Walnut Creek, CA

05/08 "Trauma Anesthesia," Visiting Lecturer, Department of Anesthesia, Oakland Naval Hospital, Oakland, CA

06/03 "Board Review - Mechanical Ventilation," Department of Anesthesia Grand Rounds, The Milton S. Hershey Medical Center

08/19 "Airway Management for Trauma Patients," Anesthesia Grand Rounds, Lancaster General Hospital, Lancaster, PA

09/29 – 09/30 "Journal Club Discussion" and "Trauma Anesthesia," Visiting Professor, Department of Anesthesia, Geisinger Medical Center, Danville, PA,

12/03 – 12/05 "Fluid Resuscitation," "Controversies in Hyperalimentation," XVIIth Annual Caribbean Symposium for Anesthesiology and Related Fields, San Juan, PR

1991

01/23 "Fluid Replacement for the Critically-Ill Trauma Patient," Visiting Professor, Department of Anesthesia, Robert Wood Johnson School of Medicine, New Brunswick, NJ

02/13 "Intubation Techniques," Invited lecture - Life Lion Aeromedical Crew, Hershey, PA

03/28 – 03/29 "Anesthetic Management of the Trauma Patient", "Mechanisms of Injury – Anesthetic Implications", "Fluid Management of Trauma Patients, Parts I and II, "Perioperative Critical Care Management of Trauma Patient". Invited lectures - Northwest Anesthesia Seminars, Las Vegas, NV

04/17 "Evaluating Renal Function in Perioperative Period," Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center

06/19 "CQI, QA, TQM - The Alphabet Soup of Quality Care," Part I. Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center

06/26 "QA, CQI, TQM - The Alphabet Soup of Quality Care" Part II. Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center

08/16 "Use of Muscle Relaxants for Trauma Patients," Trauma Services Grand Rounds, Brandywine Hospital and Trauma Center, Philadelphia, PA

09/25 "Fluid Resuscitation for the Trauma Patient in the First 60 Minutes," Continuing Education Program, Department of Nursing, Milton S. Hershey Medical Center, Harrisburg, PA

10/04 "Acid-base Disorders," Round Table Leader. Central Pennsylvania ASPEN, Hershey, PA

10/12 “Colloid vs. Crystalloid for Shock Resuscitation," General Surgery Saturday Morning Resident Lecture Series, The Milton S. Hershey Medical Center, Hershey, PA

12/04 "Airway Management for the Trauma Patient," Trauma Grand Rounds, Hackensac Hospital and Trauma Center, Hackensac, NJ

1990

02/08 "Fluid Management for the High-Risk Patient," Grand Rounds, John F. Kennedy Hospital, Edison, NJ

02/17 "Critical Care of the Trauma Patient", "Airway Management for the Trauma Patient", "Mechanisms of Injury", "Fluid Management for the Trauma Patient." Invited Lectures at Sioux Falls, South Dakota Anesthesia Symposium

03/02 "Perioperative Fluid Management for the High-Risk Patient," Invited Lecture, Delaware County Hospital, Drexel Hill, PA

03/14 "Mechanisms of Injury," Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center, Hershey, PA

04/17 "Fluid Management for the High-Risk Patient," Surgery Grand Rounds, Lehigh Valley Medical Center, Allentown, PA

05/02 "Fluid Management for the High-Risk Patient," Anesthesia Grand Rounds, George Washington University Hospital, Washington, D.C.

05/24 – 05/26 "The Trauma Anesthesiologist and Critical Care Specialist", "Fluids and Electrolytes in Post Trauma Resuscitation", "Anesthesia Management for the Polytrauma Patient." Invited Lecturer, VI Congreso Ecuatoriano de Anesthesiologia Guayaquil, Ecuador

06/15 "Opioids for Intravenous Anesthesia", "Nutritional Support for Trauma Patients."

06/16 Invited Lecturer, 3rd Annual Trauma Anesthesia and Critical Care Symposium, Baltimore, MD

08/15 "Anesthetic Management of the High-Risk Trauma Patient," Anesthesia Grand Rounds, Norwalk Hospital, Norwalk, CT

10/07 "Fluid Management for the High-Risk Patient," Invited Lecture, Maryland Association of Nurse Anesthetists, Ocean City, MD

11/28 "Shock," Invited Lecture, Anesthesia Technicians' Course, Hershey, PA

1989

01/24 "Airway Management for the Trauma Patient," Visiting Professor, Department of Anesthesia, Allegheny Medical Center, Pittsburgh, PA

02/01 "Sepsis," Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center

02/25 "Critical Care for the Trauma Patient," Surgery Grand Rounds, University of West Virginia, Charleston, WV

04/12 "Fluid Management for the Trauma Patient", "Anesthetic Management of the Trauma Patient." Department of Anesthesia Grand Rounds, Milton S. Hershey Medical Center

05/10 "Indirect Calorimetry,” Anesthesia/Surgery Grand Rounds, Milton S. Hershey Medical Center

05/21 "Monitoring Standards in the Recovery Room,” Invited Lecture, Mid-Atlantic Conference in Anesthesia, Crystal City, VA

06/04 "Renal Failure in the Trauma Patient," Invited Lecture, 2nd Annual Trauma Anesthesia and Critical Care Symposium, Baltimore, MD

07/09 "Trauma Anesthesia," Anesthesia Grand Rounds, Fairfax Hospital, Fairfax, VA

10/12 Surgery Grand Rounds, University Hospital, Jacksonville, FL, "Critical Care for the Trauma Patient".

10/13 "Airway Management for the Trauma Patient," Anesthesia Grand Rounds, University Hospital, Jacksonville, FL

1988

02/04 "Trauma Anesthesia," Anesthesia Grand Rounds, Cambridge Hospital, Cambridge, MA

02/05 "Airway Management for the Trauma Patient," Emergency Medicine Grand Rounds, Johns Hopkins Hospital, Balitmore, MD

03/09 "Airway Management for Patients with Cervical Spine Fractures," Visiting Professor, Anesthesia Department, The Milton S. Hershey Medical Center, Hershey, PA

03/28 "Fluid Management for the Trauma Patient," Invited Lecture, Trauma Care Symposium, Hershey, PA

04/30 "Fluid Resuscitation in High-Risk Patients," Invited Lecture, Combined Pennsylvania, Maryland, Virginia State Anesthesia Meeting, Breakfast Panel

06/03 – 06/04 "Trauma Anesthesia", "Airway Management for the Trauma Patient". Invited Lecture, West Virginia Society of Anesthesiologists, Morgantown, WV

06/08 Invited Discussant, NIAAA Conference on Alcoholism and Trauma Research Directions, Washington, DC

08/27 – 08/28 "Anesthetic Management of the Trauma Patient," Invited Lecture, Georgia, South Carolina Society of Anesthesiologists

11/12 "Anesthetic Management of the Trauma Patient," Invited Lecture, Hahneman Medical School Trauma Anesthesia Symposium, Philadelphia, PA

1987

02/06 "Perioperative Management of the Trauma Patient," Invited Lecture, Peninsula General Hospital, Salisbury, MD

02/11 "The Multiple Trauma Patient from a Critical Care Standpoint," Surgical Grand Rounds, St. Lukes Hospital, Bethlehem, PA

03/10 "Anesthetic Management of the Trauma Patient," Invited Lecture, Monmonth Medical Center, Long Branch, NJ

03/30 "Review of Anesthesia," Plastic Surgery Review Course, The Oster Institute, Philadelphia, PA

04/01 "Anesthesia for the Trauma Patient". Anesthesia Grand Rounds, Rhode Island Hospital, Providence, RI,

04/02 "Anesthesia for the Trauma Patient".Invited Lecture, New England Medical Center, Boston, MA

04/09 "Anesthetic Management of the Trauma Patient," Invited Lecture, Bethesda Naval Hospital, Bethesda, MD

05/08 "Perioperative Anesthetic Management of the Trauma Case", "Blood vs Crystalloid vs Colloid Resuscitation of the Patient in Shock", and "The Multiple Trauma Victim and the P.A.C.U." Invited Lectures, Midwest Anesthesia Conference XXIV and 13th Post-Anesthesia Care Symposium, Chicago, IL

06/03 "Anesthetic Management of the Trauma Patient," Invited Lecture, Howard University Hospital, Washington, DC

06/09 "Anesthetic Management of the Trauma Patient," Invited Lecture, Walter Reed Army Hospital, Washington DC

06/25 "Airway Management of the Trauma Patient," Invited Lecture, University of Maryland Department of Anesthesia, Baltimore, MD

09/19 "Airway Management in the Trauma Patient," Invited Lecture, EMS Update 1987, Lubbock, Tx

10/14 Panel Moderator of Panel Discussion "Anesthesia for the Trauma Patient" and "Traumatic Disease and the Anesthesiologist," American Society of Anesthesiologists, Atlanta, GA

10/26 "Anesthesia for Trauma," Anesthesia Grand Rounds, Medical College of Virginia, Richmond, VA

11/20 "Anesthetic Management of Severe Thoracic Trauma," Invited Lecture, 10th National Trauma Symposium, Baltimore, MD

12/07 – 12/11 "Anesthesia for the Trauma Patient - General Considerations", "Airway Management in the Trauma Patient," Invited Lecture, Military Anesthesia Conference, Heidelburg, Germany

1986

- Emergency Medicine Grand Rounds, Johns Hopkins Hospital, Baltimore, MD
- Invited Lecture, Martin Memorial Hospital, Stuart, FL
- Invited Lecture, Triservices Emergency Medicine Symposium, Austin, TX
- Invited Lecture, New Jersey Association of Nurse Anesthetists, Runnemeade, NJ
- Invited Lecture, American Association of Anesthesia Assistants, Ashville, NC
- Invited Lecture, Emergency Medicine Department, The Milton S. Hershey Medical Center, Hershey, PA
- Invited Lecture, Polyclinic Surgery Department, Harrisburg, PA
- Invited Lecture, Geisinger Clinic, Anesthesia/Surgery Departments, Danville, PA
- Invited Lecture, Anesthesia Department, George Washington University, Washington, DC
- Invited Lecture, Lewis Gale Hospital/Anesthesia Department, Roanoke, VA
- Visiting Professor, Department of Anesthesia, Loyola University Medical Center, Chicago, IL

1985

- Invited Lecture, Anesthesia Department, Mt. Sinai Hospital and Cleveland Metropolitan Hospital, Cleveland, OH
- Anesthesia Grand Rounds, New England Deaconess Hospital, Boston, MA
- Anesthesia Grand Rounds, Maine Medical Center, Portland, ME
- Invited Lecture, E. I. Dupont de Nemours, Wilmington, DE
- Invited Lecture, Ohio State Association of Nurse Anesthetists, Columbus, OH
- Invited Lecture, Anesthesia Department, University Hospital and Massachusetts General Hospital, Boston, MA
- Invited Lecture, Surgery/Anesthesia Departments, University Hospital, Jacksonville, FL
- Invited Lecture, Anesthesia Department, Pennsylvania Hospital, Philadelphia, PA
- Visiting Professor, Anesthesia Department, Aultman Hospital, Canton, OH
- Invited Lecture, West Jersey Health System, Camden, NJ
- Visiting Professor, Anesthesia Department, Albert Einstein Medical Center, Philadelphia, PA

1984

- Invited Lecture and Course Organizer, Military Anesthesia Course, Heidelburg, Germany
- Invited Lecture, Delaware Valley Association of Nurse Anesthetists, Philadelphia, PA
- Invited Lecture, Anesthesia Department, Baylor Hospital, Dallas, TX
- Invited Lecture, Anesthesia Department, Parkland Hospital, Dallas, TX
- "Trauma Anesthesia," Invited Lecture, XXIV Biennial Congress International College of Surgeons, Manilla, Philippines

1983

- Invited Lecture, Anesthesia Department, Hollywood Kaiser Permanente Hospital, Los Angeles, CA
- Invited Lecture, Anesthesia Department, Harbor General Hospital, Los Angeles, CA
- Invited Lecture, Emergency Medicine Department, San Jose, CA
- Invited Lecture, San Diego Emergency Physicians, San Diego, CA

1981

- Visiting Professor, Department of Anesthesia, The Brigham and Women's Hospitals, Boston, MA

1980

- Workshop on Critical Care. American Society of Anesthesiologists, Los Angeles, CA

1979

- Pulmonary Vascular System. Practical Cardiology for the Practicing Anesthesiologist. Johns Hopkins University, Baltimore, MD

1977

- Visiting Professor, Department of Anesthesia, The Johns Hopkins University, School of Medicine, Baltimore, MD

HONORS

National Science Foundation Medal for high school science excellence	1964
Department Honors in Chemistry, Hanover College	1968
Guthrie Award for Chemistry, Hanover College	1968
Second Prize, Residents' Competition, Harvard Anesthesia Center, "A Happy Outcome to Malignant Hyperthermia"	1976
Best Doctors in America	2005, 2006

BIBLIOGRAPHY

BOOKS

1. Grande CM, Stene JK, Bernhard WN (guest editors): Overview of Trauma Anesthesia and Critical Care. *Critical Care Clinics*. Vol. 6, No 1: Philadelphia, W.B. Saunders Company, 1990.
2. Stene JK, Grande CM (eds.): *Trauma Anesthesia*. Baltimore, Williams & Wilkins, 1991.

CHAPTERS

1. Burns B, Stene JK, Laravuso RB, et al: Molecular factors influencing pulmonary alveolar-capillary membrane 0_2 diffusion resistance during halothane anesthesia. In Fink RB (ed): *Progress in Anesthesiology, Vol. 2, Molecular Mechanisms of Anesthesia*, New York, Raven Press, 1980; 389-396.
2. Stene JK: Anesthesia for the critically ill trauma patient. In Siegel JH (ed): *TRAUMA: Emergency Surgery and Critical Care.* New York, Churchill Livingstone, Inc., 1987; 843-862.
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ABSTRACTS

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19. Jaberi M, Burns B, Stene JK: Relationship between PEEP and ICP in multiple trauma patients. 8th National Trauma Symposium, November, 1985.
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22. Stene JK, Barton CR, Bowman-Bell N, et al: Time course of relaxation form high dose (0.28 mg/kg) vecuronium. 9th World Congress of Anaesthesiologists, Washington, D.C., May, 1988.

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26. High KM, Snider, MT, Campbell DB, et al (#5): Early clinical trials of an intravenous oxygenator (IVOX) in patients with the adult respiratory distress syndrome. Anesthesiology 72:A270, 1990.
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29. High K, Snider M, Richard R, et al (#6): Oxygen and carbon dioxide exchange with an intravenous oxygenator (IVOX) in humans. Accepted for poster presentation at the 37th Annual Meeting of the American Society for Artificial Internal Organs held April 25-27, 1991 in Chicago, IL, 1991.
30. High KM, Snider MT, Richard RB, et al (#4): Gas exchange properties of the intravenous oxygenator (IVOX): in vitro, in vivo and clinical studies. Accepted for poster presentation at the annual meeting of the Association of University Anesthesiologists held May 3-5, 1991 in Philadelphia, PA, 1991.
31. Snider MT, High KM, Ultman JS, et al (#6): Initial development of a miniaturized intrapulmonary arterial artificial lung.
    1) Submitted to Cardiovascular Science and Technology Conference held in Bethesda, Maryland, December 2-4, 1991. 2) Presented at the 38th Annual Meeting of the American Society for Artificial Internal Organs, May 7-9, 1992, Nashville, TN. ASAIO 1992 Abstracts. 3) Presented at the 10th World Congress of Anesthesiologists, The Hague, The Netherlands, June 12-19, 1992.
32. Stene JK, Cook, RJ: The Beck airway airflow monitor (BAAM^R) distinguishes tracheal from esophageal intubation. Presented at the 5th Annual Trauma Anesthesia and Critical Care Symposium held June 11-12, 1992 in Amsterdam, The Netherlands.
33. Brosche WS, Stene JK, Snider MT: Use of permissive hypercarbia to reduce minute ventilation in patients with post-traumatic ARDS complicated by severe barotrauma. Presented at the 5th Annual Trauma Anesthesia and Critical Care Symposium held June 11-12, 1992 in Amsterdam, The Netherlands.
34. Brosche WS, Stene JK, Snider MT: Permissive hypercarbia reduces minute ventilation in humans with post-traumatic ARDS and barotrauma. Accepted for presentation at the annual meeting of the American Society of Anesthesiologists held October 17-21, 1992 in New Orleans, LA.
35. Snider MT, High KM, Ultman JS, et al (#6): Miniaturized intrapulmonary arterial artificial lung: gas-to-gas tests of prototypes. Presented at the European Artificial Lung Support meeting held in Germany, September 17-19, 1992.
36. High K, Snider M, Ultman J, et al (#7).: An intravascular artificial lung for simultaneous placement in the pulmonary artery, right ventricle and vena cava - early feasibility studies.

Submitted to AAMI Proceedings for presentation at the Cardiovascular Science and Technology Conference held December 12-14, 1992 in Bethesda, MD.

37. Richard R, Snider M, Panol G, et al (#5): A system for gas delivery and removal to intravascular membrane lungs. Accepted for poster session at the 41st Annual Conference of the American Society for Artificial Internal Organs to be held May 4-6, 1995 in Chicago, IL. (ASAIO Abstracts 24: 1995).
38. Stene JK, Murray M, DeRuyter, M, et al: Selective rocuronium pharmacodynamics and kinetics during ICU infusion. Anesthesiology 89(#3A):A-477, 1998.

RESEARCH GRANTS

Peer-Reviewed:

February 2007-January 2008	Principal Investigator on Department of Anesthesia Starter Grant, Penn State College of Medicine "Hyperproteic Nutrition: Correlation of BUN Elevation to Nitrogen Balance and Associated Infection Rates with Bimodal Protein Administration" - $6,000
1991-1994	Co-investigator on NIH research contract # NO1 HR-16053, "Artificial Lung Research and Development" to develop an implantable artificial lung.

Non-Peer-Reviewed:

1981-1983	Co-Principal Investigator on Grant from Merrell-Dow Pharmaceuticals for FDA phase III testing of MESNA, a mucolytic drug. Research involved extensive use of multiple inert gas VA/Q measurements in intensive care unit patients. (Approximately $350,000)
1985-1986	Principal Investigator on Grant from Dupont Pharmaceuticals for a county-wide, pre-hospital trial concerning the use of Nubain as an analgesic for patients in moderate to severe pain. (Approximately $45,000)
1995-1996	Principal Investigator on Grant from Organon Pharmaceuticals (Akzo Nobel) to investigate pharmacokinetics of rocuronium bromide in critical care patients. Protocols 021-029 and 021-030 (Approximately $120,000).
2005-2006	Principal Investigator at Hershey Medical Center on Organon Pharmaceuticals Multi-Center trial of sugammadex to reverse rocuronium.

Patent: Snider MT, High KM, Panol G, Ultman J, Richard RB, Stene JK, Russell GB: "Intravascular Membrane Lung Apparatus", U.S. Patent #5,336,164, August 9, 1994.