

**Ronald A. Gabel**  
**CURRICULUM VITAE**  
and  
**BIBLIOGRAPHY**

***Table of Contents***

CURRICULUM VITAE .....	1
Contact Information .....	1
Education.....	1
Postdoctoral Training.....	1
Internship and Residencies .....	1
Research Fellowship .....	1
Licensure .....	1
Certification.....	2
Awards and Honors .....	2
Academic Appointments .....	2
Hospital Appointments.....	2
Principal Administrative Responsibilities.....	3
Teaching Experience .....	3
Other Professional Positions .....	4
Major Committee Assignments.....	4
National and Regional .....	4
Peter Bent Brigham/Brigham and Women's Hospital .....	8
University of Rochester Medical Center .....	8
Lattimore Community Surgicenter .....	9
Memberships in Professional Societies .....	9
Continuing Education .....	9
Academic Interests .....	10
BIBLIOGRAPHY .....	11
Original Reports .....	11
Other Articles .....	13
Books .....	14
Book Chapters .....	14
Editorials, Book Reviews, and Correspondence .....	14
Abstracts .....	15

**CURRICULUM VITAE  
and  
BIBLIOGRAPHY**

Name Ronald Arthur Gabel  
Address 108 Mill Lane  
Yarmouth Port, MA 02675  
Telephone 508-362-7808  
Email Address Ronald\_Gabel@URMC.Rochester.edu  
Academic Department of Anesthesiology  
Address University of Rochester Medical Center  
601 Elmwood Avenue  
Rochester, NY 14642  
Date of Birth January 8, 1934  
Place of Birth Lakewood, Ohio

**Education**

1952-1956 Miami University, Oxford, Ohio  
1956 B.S. in Ed. (magna cum laude)  
1956-1957 Northwestern University, Evanston, Illinois  
1957-1958 Cambridge University, Cambridge, England  
1958 1962 Western Reserve University School of Medicine, Cleveland, Ohio  
1962 M.D.

**Postdoctoral Training**

***Internship and Residencies***

1962-1963 Intern in Pediatrics, University Hospitals of Cleveland, Cleveland, Ohio  
1963-1964 Resident in Pediatrics, University Hospitals of Cleveland, Cleveland, Ohio  
1964-1966 Resident in Anesthesia, Peter Bent Brigham Hospital, Boston, Massachusetts

***Research Fellowship***

1968-1969 Research Fellow, Cardiovascular Research Institute, University of California,  
San Francisco, California

**Licensure**

1962 Ohio (Certificate Number 26050); inactive  
1964 Massachusetts (Certificate Number 28146); inactive  
1968 California (Certificate Number G-14752); inactive  
1982 New York (Certificate Number 152963); inactive

## **Certification**

- 1964 Diplomat, National Board of Medical Examiners (Certificate Number 73691)
- 1970 Diplomat, American Board of Anesthesiology (Certificate Number 4965)

## **Awards and Honors**

- 1957-1958 Rotary Foundation Fellowship
- 1963-1964 Wyeth Pediatric Residency Fellowship
- 1967 Army Commendation Medal
- 1968 Bronze Star Medal (Vietnam)

## **Academic Appointments**

- 1969-1972 Instructor in Anaesthesia at Peter Bent Brigham Hospital, Harvard Medical School, Boston, Massachusetts
- 1972-1981 Assistant Professor of Anaesthesia at Peter Bent Brigham Hospital, Harvard Medical School, Boston, Massachusetts
- 1981-1983 Associate Professor of Anaesthesia at Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts
- 1983-1992 Professor and Chairman of Anesthesiology, University of Rochester School of Medicine and Dentistry, Rochester, New York
- 1992-2001 Professor of Anesthesiology, University of Rochester School of Medicine and Dentistry, Rochester, New York
- 2001-2017 Professor Emeritus of Anesthesiology, University of Rochester School of Medicine and Dentistry, Rochester, New York
- 2017-present Professor Emeritus of Anesthesiology and Critical Care Medicine, University of Rochester School of Medicine and Dentistry, Rochester, New York

## **Hospital Appointments**

- 1969-1970 Junior Associate in Surgery (Anesthesia), Peter Bent Brigham Hospital, Boston, Massachusetts
- 1970-1971 Junior Associate in Anesthesia, Peter Bent Brigham Hospital, Boston, Massachusetts
- 1971-1975 Associate in Anesthesia, Peter Bent Brigham Hospital, Boston, Massachusetts
- 1975-1980 Senior Associate in Anesthesia, Peter Bent Brigham Hospital, Boston, Massachusetts
- 1980-1983 Anesthesiologist, Brigham and Women's Hospital, Boston, Massachusetts
- 1983-1992 Anesthesiologist-in-Chief, Strong Memorial Hospital, Rochester, New York
- 1990-2001 Attending Anesthesiologist, Lattimore Community Surgicenter, Rochester, New York
- 1992-2001 Attending Anesthesiologist, Strong Memorial Hospital, Rochester, New York

## **Principal Administrative Responsibilities**

- 1966-1967 Assistant Chief, Anesthesia and Operative Service, Letterman General Hospital, San Francisco, California
- 1967-1968 Chief, Anesthesia and Operative Service, 45th Surgical Hospital, Tay Ninh, Republic of Viet Nam
- 1979-1980 Clinical Director, Department of Anesthesia, Peter Bent Brigham Hospital, Boston, Massachusetts
- 1980-1983 Director of Surgical Anesthesia, Brigham and Women's Hospital, Boston, Massachusetts
- 1983-1992 Chairman, Department of Anesthesiology, University of Rochester School of Medicine and Dentistry, Rochester, New York
- 1983-1992 Residency Program Director, Department of Anesthesiology, University of Rochester School of Medicine and Dentistry, Rochester, New York
- 1993-1997 Chief of Anesthesiology, Lattimore Community Surgicenter, Rochester, New York
- 1998-1999 Medical Director, Lattimore Community Surgicenter, Rochester, New York

## **Teaching Experience**

- 1956 Student Teacher, Indian Hill High School, Indian Hill, Ohio (requirement for B.S. in Ed., Miami University, Oxford, Ohio)
- 1956-1957 Teaching Assistant, Department of Mathematics, Northwestern University, Evanston, Illinois
- 1957 Part-time Mathematics Teacher, New Trier Township High School, New Trier, Illinois
- 1966-1967 Lecturer in the Nurse Anesthetist Training Program, Letterman General Hospital, San Francisco, California
- 1969-1983 Teacher of Clinical Anesthesiology at Peter Bent Brigham/Brigham and Women's Hospital: Anesthesiology Residents and Fellows and Harvard Medical Students
- 1969-1983 Lecturer in the Didactic Anesthesia Teaching Program at Peter Bent Brigham/Brigham and Women's Hospital: Control of Pulmonary Ventilation, Physiology of High Altitude, Transport of Oxygen and Carbon Dioxide by Blood, Acid-Base Balance, Environmental Hazards of Anesthesia, Statistics in Medicine, Physical Principles of Anesthesia Administration
- 1983-2001 Teacher of Clinical Anesthesiology at University of Rochester: Residents and Fellows
- 1983-2001 Lecturer in the Didactic Anesthesia Teaching Program at University of Rochester: Effects of Anesthetics and Other Drugs on Pulmonary Vascular and Bronchial Tone, Control of Breathing, Anesthetic Management of Patients with Pulmonary Disease, Physics of Gases and Vapors, Hyponatremia, Quality Assurance and Quality Improvement, Nausea and Vomiting in the Perioperative Period, Informed Consent, Biostatistics, Operating Room Design, Managed Care
- 1986-1991 Lecturer in Respiratory Physiology for first-year Harvard medical students: Control of Breathing

- 1993-1996 Teacher in the Faculty Development Program of the Department of Anesthesiology at the University of Rochester: Biostatistics
- 1995-1999 Teacher in the Respiratory Physiology Laboratory for first-year Harvard medical students: Conference problems – Control of Breathing and Ventilation/Perfusion II & III; Clinical Correlation – Asthma and Chronic Obstructive Pulmonary Disease
- 1997-1999 Teacher in the Respiratory Physiology Laboratory for first-year Harvard medical students: Introduction to Respiration; Gas Exchange I & II

### **Other Professional Positions**

- 1973-1984 Consultant, United States Army Research Institute of Environmental Medicine, Natick, Massachusetts
- 1977-1983 Academic Investigator, United States Army Research Institute of Environmental Medicine, Natick, Massachusetts
- 2005-2015 Accreditation Surveyor, Accreditation Association for Ambulatory Health Care (AAAHC)

### **Major Committee Assignments**

#### ***National and Regional***

- 1973-1974 Chairman, Workshop Program, Massachusetts Anesthesia Council on Education
- 1975-1977 Chairman, Section on Anesthesiology, Association for the Advancement of Medical Instrumentation
- 1977-1985 Technical Committee on Anesthetizing Agents, National Fire Protection Association
- 1977-1986 Hospital Codes and Standards Committee, Association for the Advancement of Medical Instrumentation
- 1980-1982 Committee on Refresher Courses, American Society of Anesthesiologists (ASA)
- 1981-1982 Co-chairman of Program Committee for the 1982 Annual Meeting, Association for the Advancement of Medical Instrumentation
- 1981-1983 Surgery Subcommittee (Study Section), United States Army Medical Research and Development Advisory Committee
- 1981-1984 United States Army Medical Research and Development Advisory Committee
- 1985-1988 Member of Council, Association of Anesthesiology Program Directors
- 1985-2000 Representative of District #6 in House of Delegates, New York State Society of Anesthesiologists (NYSSA)
- 1986-1989 Committee on Government, Legal, and Economic Affairs, New York State Society of Anesthesiologists (NYSSA)
- 1987-1993 Chairman, Anesthesia Care Task Force, Joint Commission on Accreditation of Healthcare Organizations
- 1987-1999 Member of Board of Directors (Representing District #6), New York State Society of Anesthesiologists (NYSSA)
- 1987-1999 Representative of New York State Society of Anesthesiologists (NYSSA), House of Delegates, American Society of Anesthesiologists (ASA)
- 1988-1989 President-Elect, Association of Anesthesiology Program Directors

- 1988-1996 Chairman, Committee on Continuous Quality Improvement and Peer Review (Committee on Quality Assurance and Peer Review until 1993), New York State Society of Anesthesiologists (NYSSA)
- 1989 Special Study Section #8, National Institutes of Health
- 1989-1990 Ad Hoc Committee for Graduate Medical Education, New York State Society of Anesthesiologists (NYSSA)
- 1989-1991 President, District #6, New York State Society of Anesthesiologists (NYSSA)
- 1989-1991 President, Association of Anesthesiology Program Directors
- 1990-2000 Committee on Standards of Care, American Society of Anesthesiologists (ASA)
- 1990-2003 Board for Professional Medical Conduct, Department of Health, State of New York
- 1991-1992 Immediate Past President, Association of Anesthesiology Program Directors
- 1991-1992 Task Force on Practice Parameters – Pulmonary Artery Catheterization, American Society of Anesthesiologists (ASA)
- 1991-1998 Subcommittee on Physician Retraining, Board for Professional Medical Conduct, Department of Health, State of New York
- 1991-2000 Advisory Committee, Board for Professional Medical Conduct, Department of Health, State of New York
- 1992-1998 Ad Hoc Committee on Strategic Planning, New York State Society of Anesthesiologists (NYSSA)
- 1992-2002 Committee on Quality Management and Departmental Administration (Committee on Peer Review until 1993; Committee on Quality Improvement and Practice Management 1993-1998; Committee on Quality Improvement 1999), American Society of Anesthesiologists (ASA)
- 1992-2000 Committee on Quality of Practice, World Federation of Societies of Anaesthesiologists
- 1993-1996 Alternate Representative (American Society of Anesthesiologists (ASA)), Professional and Technical Advisory Committee, Hospital Accreditation, Joint Commission on Accreditation of Healthcare Organizations
- 1994-1995 Chairman, Committee on Standards of Care, American Society of Anesthesiologists (ASA)
- 1994-1996 Ad Hoc Committee on Value-Based Anesthesia Care, American Society of Anesthesiologists (ASA)
- 1994-1996 Facilitator, Rochester Sub-Regional Anesthesiology Peer Review Demonstration Project
- 1994-1997 New York State Council on Graduate Medical Education
- 1995-1996 Chairman, Council of Medical Specialty Societies Task Force on Medical Outcomes
- 1996-1998 Chairman, Ad Hoc Committee on Value-Based Anesthesia Care, American Society of Anesthesiologists (ASA)
- 1996-1999 Chairman, Subcommittee on Investigation Committee Process, Board for Professional Medical Conduct, Department of Health, State of New York
- 1996-2002 Committee on Continuous Quality Improvement and Peer Review, New York State Society of Anesthesiologists (NYSSA)

- 1996-2000 Chairman, Committee on Performance-Based Credentialing, American Society of Anesthesiologists (ASA)
- 1998-1999 Ad Hoc Committee on Simulators, American Society of Anesthesiologists (ASA)
- 1998-2002 Representative (American Society of Anesthesiologists (ASA)), Professional and Technical Advisory Committee, Hospital Accreditation Program, Joint Commission on Accreditation of Healthcare Organizations
- 1998-2000 Representative (American Society of Anesthesiologists (ASA)), Specialty Advisory Committee, American Medical Accreditation Program, American Medical Association (AMA)
- 1999 Representative (American Society of Anesthesiologists (ASA)), Advisory Panel, Surgical Procedures and Complications, Joint Commission on Accreditation of Healthcare Organizations
- 1999-2000 Task Force on the Future of Anesthesiology, American Society of Anesthesiologists (ASA)
- 2000-2002 Chair, Committee on Performance and Outcomes Measurement, American Society of Anesthesiologists (ASA)
- 2000-2002 Co-Chair, Operations Work Group, Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2000-2008 Representative (American Society of Anesthesiologists (ASA)), Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2001-2009 Representative (Physician Consortium for Performance Improvement (PCPI)), Performance Measures Advisory Group (PMAG), Advisory to CPT Editorial Panel, American Medical Association (AMA) 2002-2003 Representative (American Society of Anesthesiologists (ASA)), Data Dictionary Task Force, Anesthesia Patient Safety Foundation
- 2002-2008 Committee on Performance and Outcomes Measurement, American Society of Anesthesiologists (ASA)
- 2003-2016 International Health Terminology Standards Development Organization (IHTSDO) Anesthesia Special Interest Group; formerly International Organization for Terminology in Anesthesia (IOTA), formerly Data Dictionary Task Force (DDTF), Anesthesia Patient Safety Foundation (APSF)
- 2003-2004 Workgroup 3 (Making the Business Case), Surgical Care Improvement Project (SCIP), representing American Society of Anesthesiologists (ASA)
- 2004 Combined Workgroups 1&2 (Measurement/Monitoring & Recommended Practices), Surgical Care Improvement Project (SCIP); representing Physician Consortium for Performance Improvement (PCPI)
- 2004-2011 Steering Committee, Surgical Care Improvement Project (SCIP), representing American Society of Anesthesiologists (ASA)
- 2004-2006 Co-Chair, Perioperative Care Work Group (PCWG), Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2005 Ad Hoc Committee on Sedation Credentialing Guidelines for Nonanesthesiologists, American Society of Anesthesiologists (ASA)
- 2005 Task Force on Physical Status Modifiers, American Society of Anesthesiologists

- 2005-2008 Technical Expert Panel (TAP), Medicare Patient Safety Monitoring System (MPSMS)
- 2006 Ad Hoc Committee on Moderate Sedation Credentialing Guidelines for Nonanesthesiologists, American Society of Anesthesiologists (ASA)
- 2006-2008 Co-Chair, Second Perioperative Care Work Group (PCWG2), Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2006-2007 Stroke and Stroke Rehabilitation Work Group, Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2006-2007 Skin Cancer Work Group, Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2006-2008 Executive Committee, Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2006-2009 Measures Implementation and Evaluation Advisory Committee, Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2007 Chair, Technical Advisory Panel (TAP) for Ambulatory Surgery, National Quality Forum (NQF)
- 2007 Task Force on Physical Status Modifiers, American Society of Anesthesiologists (ASA)
- 2007 Grant Reviewer, Veterans Affairs (VA) National Center for Patient Safety
- 2007-2010 Anesthesiology and Critical Care Work Group, Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2007-2011 Performance Measurement Initiative (PMI), AAAHC Institute for Quality Improvement, Accreditation Association for Ambulatory Healthcare (AAAHC)
- 2008-2009 Co-Chair, Performance Measures Advisory Group (PMAG), CPT Editorial Panel, American Medical Association (AMA)
- 2008-2014 Board of Trustees, AAAHC Institute for Quality Improvement, Accreditation Association for Ambulatory Healthcare (AAAHC)
- 2008-2013 Individual Member (representing CPT Performance Measures Advisory Group (PMAG)), Physician Consortium for Performance Improvement (PCPI), American Medical Association (AMA)
- 2009-2013 Chair, Performance Measures Advisory Group (PMAG), Advisory to CPT Editorial Panel, American Medical Association (AMA)
- 2009 Grant Reviewer, Veterans Affairs (VA) National Center for Patient Safety
- 2010-2011 Chair, Board of Trustees, AAAHC Institute for Quality Improvement, Accreditation Association for Ambulatory Healthcare (AAAHC)
- 2010-2013 CPT Editorial Panel, Performance Measurement Rotating Seat, American Medical Association (AMA)
- 2010-2014 Board of Directors, Healthcare Consultants International, Inc. (for-profit subsidiary of Accreditation Association for Ambulatory Health Care)
- 2010-2011 Chair, Hospital Accreditation Task Force, Board of Directors, Accreditation Association for Ambulatory Health Care (AAAHC)
- 2012 Grant Reviewer, Veterans Affairs (VA) National Center for Patient Safety



2014 Grant Reviewer, Veterans Affairs (VA) National Center for Patient Safety

***Peter Bent Brigham/Brigham and Women's Hospital***

1976-1977 Secretary of the Professional Staff  
1976-1980 Board of Directors, Brigham Anesthesia Associates, Inc.  
1977-1978 Vice President of the Professional Staff  
1978-1979 President of the Professional Staff  
1978-1979 Executive Committee of the Professional Staff  
1979-1983 Operating Room Committee  
1980-1983 Patient Care Committee  
1980-1983 Board of Directors, BWH Anesthesia Foundation, Inc.

***University of Rochester Medical Center***

1981-1983 Biomedical Research Support Review Committee  
1983-1984 Ambulatory Care Committee of Clinical Chiefs  
1983-1984 Short Term Medical/Surgical Unit Task Force  
1983-1987 Chairman, Operating Room Management Committee  
1983-1989 Surgical Operating Room Committee  
1983-1989 Gynecology Operating Room Committee  
1983-1992 Executive Committee, School of Medicine and Dentistry  
1983-1992 Executive Hospital Committee, Strong Memorial Hospital  
1984-1985 Chairman, Highland Hospital/University of Rochester Affiliation Committee  
1985-1986 Steering Committee, Executive Committee, School of Medicine and Dentistry  
1985-1992 Medical Staff Committee, Strong Memorial Hospital  
1986-1987 Surgical Search Committee  
1986-1988 Faculty Compensation Committee, Strong Memorial Hospital  
1986-1990 Planning and Budgeting Committee, Strong Memorial Hospital  
1987-1988 Chairman, Orthopaedic Search Committee  
1987-1988 Clinical Systems Subcommittee, Information Systems Committee  
1987-1990 Operating Room Management Committee  
1988-1989 Faculty Benefits Task Force  
1988-1990 Co-Chairman, Clinical Information Systems Subcommittee, Information Systems Committee  
1988-1992 Information Systems Steering Committee  
1989-1991 Chairman, Clinical Dentistry Survey/Search Committee  
1989-1992 Surgical Support Services Committee  
1989-1992 Council of Clinical Chairs  
1991-1992 Clinical Information Systems Committee  
1991-1992 Steering Committee, Executive Committee, School of Medicine and Dentistry  
1993-1999 Alternate Member, Advisory Committee (Board of Directors until 1996) University of Rochester Medical Faculty Group  
1995-1996 Chairman, Anesthesia Cost Reduction Task Force

### ***Lattimore Community Surgicenter***

- 1993-1997 Medical Advisory Committee
- 1993-1997 Peer Review Committee
- 1993-1997 Quality Assurance Committee
- 1998-1999 Chairman, Medical Advisory Committee
- 1998-1999 Chairman, Peer Review Committee
- 1998-1999 Chairman, Quality Assurance Committee

### **Memberships in Professional Societies**

- 1969-1983 Massachusetts Society of Anesthesiologists
- 1969-2000 American Association for the Advancement of Science
- 1969-present American Society of Anesthesiologists
- 1975-1992 American Physiological Society
- 1975-present American Medical Association
- 1975-present Massachusetts Medical Society
- 1977-1986 National Fire Protection Association
- 1977-1986 Association for the Advancement of Medical Instrumentation
- 1980-2000 International Anesthesia Research Society
- 1983-1992 Society of Academic Anesthesia Chairmen
- 1983-present New York State Society of Anesthesiologists
- 1984-1999 Medical Society of the State of New York
- 1984-1999 Medical Society of the County of Monroe
- 1984-present Association of University Anesthesiologists
- 1985-1992 Association of Anesthesiology Program Directors
- 1994-2001 Society for Ambulatory Anesthesia

### **Continuing Education**

- 1980 Program for Chiefs of Clinical Services, Executive Programs in Health Policy and Management, Harvard School of Public Health
- 1981 Physician's Recognition Award of the American Medical Association (Valid Until January 1, 1984)
- 1985 Physician's Recognition Award of the American Medical Association (Valid Until January 1, 1988)
- 1985 Executive Development Seminar for Department Chairmen and Assistant/Associate Deans, Association of American Medical Colleges
- 1988 Physician's Recognition Award of the American Medical Association (Valid Until February 1, 1991)
- 1990 Two-week workshop taught by David M. Eddy, M.D., Ph.D., entitled, "The Explicit Approach to Developing Practice Policies" sponsored by the Council of Medical Specialty Societies (CMSS) and the John A. Hartford Foundation.
- 1991 Physician's Recognition Award of the American Medical Association (Valid Until April 1, 1994)

- 1992-1993 Graduate Courses: Medical Decision and Cost Effectiveness Analysis, PM 484; Introduction to Biostatistics, STT 463; Applied Epidemiology, PM 415; Statistical Methods for Clinical Trials, BST 464; Departments of Statistics and Community and Preventive Medicine, University of Rochester School of Medicine and Dentistry
- 1993 Four-day seminar taught by Dr. W. Edwards Deming entitled, "New Economics for Industry, Education and Government"
- 1994 Physician's Recognition Award of the American Medical Association (Valid Until April 1, 1996)
- 1996 Physician's Recognition Award of the American Medical Association (Valid Until May 1, 1998)
- 2004 Surveyor Training: Accreditation Association for Ambulatory Health Care (AAAHC)
- 2005 Tutorial: Ontology (the discipline), Protégé (the software application), and OWL (the software language – Web Ontology Language)
- 2006 Surveyor Retraining: Accreditation Association for Ambulatory Health Care (AAAHC)
- 2008 Surveyor Retraining: Accreditation Association for Ambulatory Health Care (AAAHC)
- 2010 Surveyor Retraining: Accreditation Association for Ambulatory Health Care (AAAHC)

### **Academic Interests**

- Performance Measurement
- Quality Management
- Operating Room Management

## BIBLIOGRAPHY

### Original Reports (Peer Reviewed)

1. Hendricks CH, Gabel RA. Use of intranasal oxytocin in obstetrics. 1. A laboratory evaluation. Am J Obstet Gynecol 79:780-788, 1960.
2. Kronenberg R, Hamilton FN, Gabel RA, Hickey R, Read DJC, Severinghaus J. Comparison of three methods for quantitating respiratory response to hypoxia in man. Resp Physiol 16:109-125, 1972.
3. Gabel RA, Schultz B. Solubility of nitrous oxide in water, 20-80 C. Anesthesiology 38:75-81, 1973.
4. Gabel RA. Cardiopulmonary resuscitation. Am Fam Physician 7:69-75, 1973.
5. Gabel RA, Kronenberg RS, Severinghaus JW. Vital capacity breaths of 5% or 15% CO<sub>2</sub> in N<sub>2</sub> or O<sub>2</sub> to test carotid chemosensitivity. Resp Physiol 17:195-208, 1973.
6. Gabel RA. A device for rapidly drawing anaerobic blood samples. J Appl Physiol 34:255-256, 1973.
7. Gabel RA. Calibration of nonlinear gas analyzers using exponential washout and polynomial curve fitting. J Appl Physiol 34:400-401 1973.
8. Gabel RA, Bunn HF. Hereditary methemoglobinemia as a cause of cyanosis during anesthesia. Anesthesiology 40:516-518 1974.
9. Harken AH, Gabel RA, Fencel V, Moore FD. Hydrochloric acid in the correction of metabolic alkalosis (with a note on compensatory hypoventilation). Arch Surg 110:819-822, 1975.
10. Gabel RA, Weiskopf RB. Ventilatory interaction between hypoxia and [H<sup>+</sup>] at chemoreceptors of man. J Appl Physiol 39:292-296, 1975.
11. Kronenberg R, Gabel R, Severinghaus J. Normal chemoreceptor function in obesity before and after weight reduction. Am J Med 59:349-353, 1975.
12. Weiskopf RB, Gabel RA. Depression of ventilation during hypoxia in man. J Appl Physiol 39:911-915, 1975.
13. Weiskopf RB, Gabel RA, Fencel V. Alkaline shift in lumbar and intracranial CSF in man after 5 days at high altitude. J Appl Physiol 41:93-97, 1976.
14. Tien YK, Gabel RA. Prediction of PO<sub>2</sub> from SO<sub>2</sub> using the standard oxygen hemoglobin equilibrium curve. J Appl Physiol 42:985-987, 1977.
15. Lichtenthal P, Philip J, Sloss LJ, Gabel RA, Lesch M. Administration of nitrous oxide in normal subjects: Evaluation of systems of gas delivery for their clinical use and hemodynamic effects. Chest 72:316-322, 1977.
16. Prasertwanitch Y, Gabel RA. Cerebrospinal fluid pressure and subarachnoid gas composition during nitrous oxide anesthesia for gas myelography. Anesthesiology 48:214-219, 1978.
17. Fineberg HV, Gabel RA, Sossman MB. Acquisition and application of new medical knowledge by anesthesiologists: Three recent examples. Anesthesiology 48:430-436, 1978.

18. Sharrock NE, Gabel RA. Inadvertent anesthetic overdose obscured by scavenging. Anesthesiology 49:137-138, 1978.
19. Leith DE, Philip B, Gabel RA, Feldman H, Fencel V. Ventilatory muscle training and ventilatory control. Am Rev Resp Dis 119:99-100, 1979.
20. Fencel V, Gabel RA, Wolfe D. Composition of cerebral fluids in goats adapted to high altitude. J Appl Physiol 47:508-513, 1979.
21. Fineberg HV, Pearlman LA, Gabel RA. The case for abandonment of explosive anesthetic agents. N Engl J Med 303:613-617, 1980.
22. Gabel RA. Algorithms for calculating and correcting blood-gas and acid-base variables. Resp Physiol 42:211-232, 1980.
23. Gabel RA, Hooper A, Marseglia JJ Jr, Farese G. Calculation and correction of blood-gas and acid-base variables with a versatile computer program. Anes Analg 60:889-896, 1981.
24. Steinbrook RA, Fencel V, Gabel RA, Leith DE, Weinberger SE. Reversal of arterial-to-expired CO<sub>2</sub> partial pressure differences during rebreathing in goats. J Appl Physiol 55:736-741, 1983.
25. Raemer DB, Francis D, Philip JH, Gabel RA. Variation in PCO<sub>2</sub> between arterial blood and peak expired gas during anesthesia. Anes Analg 62:1065-1069, 1983.
26. Steinbrook RA, Donovan JC, Gabel RA, Leith DE, Fencel V. Acclimatization to high altitude in goats with ablated carotid bodies. J Appl Physiol 55:16-21, 1983.
27. Sharrock NE, Lesser ML, Gabel RA. Segmental levels of anaesthesia following the extradural injection of 0.75% bupivacaine at different lumbar spaces in elderly patients. Brit J Anaesth 56:285-287, 1984.
28. Steinbrook RA, Feldman HA, Fencel V, Forte V Jr, Gabel RA, Leith DE, Weinberger SE. Naloxone does not affect ventilatory responses to hypoxia and hypercapnia in rats. Life Sciences 34:881-887, 1984.
29. Waggner TB, Brusil PJ, Kronauer RE, Gabel RA, Inbar GF. Strength and cycle time of high-altitude ventilatory patterns in unacclimatized humans. J Appl Physiol 56:576-581, 1984.
30. Weinberger SE, Gabel RA, Steinbrook RA, Leith DE, Harris R, Fencel V. Adrenergic blockade does not change ventilatory response to CO<sub>2</sub> in awake resting goats. Eur Surg Res 16:154-161, 1984.
31. Steinbrook RA, Javaheri S, Gabel RA, Donovan JC, Leith DE, Fencel V. Respiration of chemodenervated goats in acute metabolic acidosis. Resp Physiol 56:51-60, 1984.
32. Lockhart PB, Felbau EV, Gabel RA, Connolly SF, Silversin JB. Dental complications during and after tracheal intubation. J Amer Dent Assn 112:480-483, 1986.
33. Weinberger SE, Steinbrook RA, Carr DB, Fencel V, Gabel RA, Leith DE, Fisher JE, Harris R, Rosenblatt M. Endogenous opioids and ventilatory adaptation to prolonged hypoxia in goats. Life Sciences 40:605-613, 1987.
34. Lee AC, Gabel RA. Audit of anesthesia performance. Current Opinion in Anaesthesiology 7:1994.

35. Roizen MF, Berger DL, Gabel RA, Gerson J, Mark JB, Parks RI Jr., Paulus DA, Smith JS, Woolf SH. Practice guidelines for pulmonary artery catheterization. An updated report by the American Society of Anesthesiologists Task Force on Pulmonary Artery Catheterization. *Anesthesiology* 99:988-1014, 2003.

### Other Articles

1. Gabel RA. Effect of anesthetic drugs on ventilatory control. In: 1981 ASA Annual Refresher Course Lectures, Chicago, American Society of Anesthesiologists, Lecture 207, pp. 1-8, 1981.
2. Gabel RA. Effect of anesthetic drugs on ventilatory control. In: 1982 ASA Annual Refresher Course Lectures, Chicago, American Society of Anesthesiologists, Lecture 115, pp. 1-7, 1982.
3. Gabel RA. Drugs that affect breathing and gas exchange. In: 1983 ASA Annual Refresher Course Lectures, Chicago, American Society of Anesthesiologists, Lecture 103, pp. 1-7, 1983.
4. Gabel RA. Evolution of Joint Commission Anesthesia Clinical Indicators. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, March 1994.
5. Gabel RA (Anonymous). Quality Improvement and Peer Review in Anesthesiology. In: Manual for Anesthesia Department Organization and Management. American Society of Anesthesiologists, Park Ridge, IL, 1994.
6. Gabel RA. Financing anesthesia care: Who will pay whom for what? In: 1996 ASA Annual Refresher Course Lectures, Chicago, American Society of Anesthesiologists, Lecture 274, pp. 1-7, 1996.
7. Gabel RA. The ethics of managed care. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, October 1996.
8. Gabel RA. Financing anesthesia care: Who will pay whom for what? In: 1997 ASA Refresher Courses in Anesthesiology, Chicago, American Society of Anesthesiologists, Chapter 6, Volume 25, pp. 69-80, 1997.
9. Gabel RA (Editor). Anesthesia practice management: How to assess and promote value. American Society of Anesthesiologists, Park Ridge, IL, 1999.
10. Gabel RA. How to define "value-based anesthesia care." In: Anesthesia practice management: How to assess and promote value. American Society of Anesthesiologists, Park Ridge, IL, 1999.
11. Gabel RA. Performance measurement: Providing objective data for improved care. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, November 1999.
12. Gabel RA. Assessing competence. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, November 2002.
13. Gabel RA. Performance measurement. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, November 2003.
14. Gabel RA. AMA-Convened Physician Consortium for Performance Improvement (PCPI). ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, November 2008.

15. Gabel RA (Anonymous). Category II Codes and Physician Performance Measures. CPT Assistant. American Medical Association, Chicago, IL, Volume 20, Issue 7, July 2010.

## **Books**

1. Gabel RA, Kulli JC, Lee BS, Spratt DG, Ward DS. Operating Room Management. Butterworth-Heinemann Publishers; 1999.
2. Gabel RA. The Changing Face of The Free Press – From Before the American Revolution to After the Digital Revolution. Kindle Direct Publishing, 2022.

## **Book Chapters**

1. Hendricks CH, Brenner WE, Gabel RA, Kerenyi T. The effect of progesterone administered intra-amniotically in late human pregnancy. In: Barnes AC, ed. Progesterone. Brook Lodge Symposium, Augusta, MI: Brook Lodge Press; 1961: 53-64.
2. Weiskopf RB, Gabel RA.. Interaction between H<sup>+</sup> and hypoxia in driving the ventilation of man. In: Paintal AS, ed. The Morphology and Mechanisms of Chemoreceptors, Proceedings Krogh Centenary Symposium. Delhi, India: Vallabhbai Patel Chest Institute, University of Delhi; 1976:299-308.
3. Gabel RA. Monitoring. In: Dripps RD, Eckenhoff JE, Vandam LD, eds. Introduction to Anesthesia. 5<sup>th</sup> ed. Philadelphia, PA: WB Saunders; 1977:87-100.
4. Gabel RA. Cardiopulmonary resuscitation. In: Dripps RD, Eckenhoff JE, Vandam LD, eds. Introduction to Anesthesia. 5<sup>th</sup> ed. Philadelphia, PA: WB Saunders; 1977:447-459.
5. Fencel V, Gabel RA. Respiratory adaptations in acid-base disturbances: Role of cerebral fluids. In: Contributions to Nephrology: Disturbances of Water and Electrolyte Metabolism. Basel, Switzerland: S. Karger AG; 1980:21:145-149.
6. Maddi R, Gabel RA. Anesthetic considerations for adrenalectomy. In: Brown BR Jr, ed. Contemporary Anesthetic Practice. Philadelphia, PA: FA Davis; 1980:1-9.
7. Gabel RA. Quality assurance/peer review for recertifying/relicensure in New York State. In: International Anesthesiology Clinics. Boston, MA: Little, Brown and Company; 1992:30:2.
8. Gabel RA. Pay for Performance: An Incentive for Better Outcomes. In: Newman MF, Fleisher LA, Fink MP, eds. Perioperative Medicine: Managing for Outcome. Philadelphia, PA: Elsevier, 2007.

## **Editorials, Book Reviews, and Correspondence**

1. Kelley JM, Gabel RA. The improperly calibrated flowmeter – another hazard. Anesthesiology 33:467-468, 1970. (Correspondence)
2. Gabel RA, Danielsen JB. Backflow of liquid halothane into a flowmeter. Anesthesiology 34:492-493, 1971. (Correspondence)
3. Gabel RA. Scientific Foundations of Anaesthesia edited by Scurr C, Feldman S. N Engl J Med 285:241, 1971. (Book Review)
4. Gabel RA. Anesthesiology: A Manual of Concept and Management by Quimby CW Jr. N Engl J Med 287:521, 1972. (Book Review)

5. Gabel RA. Nitroprusside and methemoglobinemia. N Engl J Med 294:166, 1976. (Correspondence)
6. Weiskopf RB, Fencel V, Gabel RA. CSF pH and PCO<sub>2</sub> measurement. J Appl Physiol 43:566, 1977. (Correspondence)
7. Gabel RA. Auditing of anesthesia performance. Anes Analg 59:465-466, 1980. (Editorial)
8. Fineberg HV, Pearlman LA, Gabel RA. Should explosive anesthetic agents be banned? N Engl J Med 304:431, 1981. (Correspondence)
9. Gabel RA. Appropriateness of carotid endarterectomy. N Engl J Med 319:724, 1988. (Correspondence)
10. Gabel RA, Pfaff SJ. Emergency endotracheal intubation. Infect Control Hosp Epidemiol 9:99-100, 1988. (Correspondence)
11. Gabel RA. The effects of 100% oxygen on soccer players. JAMA 262:2683, 1989. (Correspondence)
12. Gabel RA. Counting deaths due to medical errors. JAMA 288:2404, 2002. (Correspondence)
13. Gabel RA. Informed consent is more than preventing a lawsuit. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, April 2003. (Correspondence)
14. Gabel RA. Surgical mortality and type of anesthesia provider. AANA Journal 71:257, 2003. (Correspondence)
15. Gabel RA. ASA, AANA should be fighting together for patient safety. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL. (Correspondence)
16. Gabel RA. ASA, Performance Measurement. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, November 2003. (Correspondence)
17. Gabel RA. Revision of PQRI Performance Measure: Timing of Prophylactic Antibiotics – Administering Physician. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, January 2009. (Correspondence)
18. Gabel RA. Origin of the Committee on Performance and Outcomes Measurement. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, July 2009. (Correspondence)
19. Gabel RA. Patient Registries, Predictive Models, and Optimal Care. JAMA 302:2662, 2009. (Correspondence)
20. Gabel RA. Scenarios for Reporting 2010 PQRI Measure #193. ASA Newsletter, American Society of Anesthesiologists, Park Ridge, IL, May 2010. (Correspondence)

## Abstracts

- A1. Kronenberg R, Hamilton FN, Gabel RA, Hickey RA, Read DJC, Severinghaus J. Quantitation of respiratory response to hypoxia in man. Clin Res 17:416, 1969.
- A2. Kronenberg RA, Gabel RA, Severinghaus J. Respiratory response to hypoxia in obesity before and after weight reduction. Clin Res 19:514, 1971.



- A3. Gabel RA, Weiskopf RB. Influence of 24 hours at 4,267m on the ventilatory drive of man. The Physiologist 16:315, 1973.
- A4. Weiskopf RB, Gabel RA. Hypoxic depression of human ventilation. Fed Proc 88:438, 1974.
- A5. Gabel RA, Weiskopf RB. Conditions influencing relationships of  $P_{0.1}$  and  $V_{0.1}$  with  $V_E$  and respiratory drive in man. The Physiologist 17:225, 1974.
- A6. Weiskopf RB, Gabel RA. Instantaneous inspiratory flow at 100 milliseconds: A new method for evaluating ventilatory response in man. The Physiologist 17:356, 1974.
- A7. Weiskopf RB, Gabel RA. Doxapram in awake man: Comparison with hypoxia in stimulation of ventilation. Abstracts of Scientific Papers, Annual Meeting of the American Society of Anesthesiologists, pp. 195-196, 1974.
- A8. Gabel RA, Weiskopf RB, Antos JA, Volpe GF. Measurement of oxygen content in blood and gas samples in the presence of halothane and nitrous oxide. Abstracts of Scientific Papers, Annual Meeting of the American Society of Anesthesiologists, pp. 345-346, 1974.
- A9. Weiskopf RB, Gabel RA, Fencel V. Changes in pH and  $PCO_2$  in cerebrospinal fluid, arterial and jugular bulb blood, in man, after 5 days at  $P_B$  447 torr. The Physiologist 18:441, 1975.
- A10. Weiskopf RB, Gabel RA, Fencel V. Ventilatory response of man to hypoxia, at  $P_B$  447 torr. Fed Proc 35:368, 1976.
- A11. Gabel RA, Irving SP, Weiskopf RB. Depression of human ventilatory response to hypoxia by diazepam and by meperidine-diazepam. Fed Proc 35:728, 1976.
- A12. Gabel RA, Fineberg HV, Sossman, MB. The acquisition and application of new medical knowledge by anesthesiologists: Learning and behavioral patterns for three recent findings. Abstracts of Scientific Papers, Annual Meeting of the American Society of Anesthesiologists, pp. 107-108, 1976.
- A13. Waggener T, Brusil P, Kronauer R, Gabel RA. Strength and period of ventilatory oscillations in unacclimatized humans at high altitude. The Physiologist 20:98, 1977.
- A14. Fencel V, Gabel RA, Wolfe D. Cerebral fluids in goats at high altitude. Fed Proc 38:1190, 1979.
- A15. Donovan J, Fencel V, Gabel RA, Javaheri S, Leith DE, Steinbrook RA. Effect of acute metabolic acidosis on the ventilatory response to rebreathing is not abolished by carotid body ablation. Fed Proc 40:481, 1981.
- A16. Steinbrook RA, Donovan J, Fencel V, Gabel RA, Javaheri S, Leith DE. Ventilatory response to acute metabolic acidosis of awake goats after ablation of carotid bodies. Fed Proc 40:508, 1981.
- A17. Gabel RA, Farese G, Forte V, Steinbrook RA, Fencel V. Correction of  $PO_2$ ,  $PCO_2$ , and pH in goat blood for anaerobic changes in temperature. Fed Proc 41:1095, 1982.
- A18. Steinbrook RA, Fencel V, Gabel RA, Leith DE, Weinberger SE. Negative arterial-to-expired  $PCO_2$  gradients during rebreathing in awake goats. Fed Proc 41:1108, 1982.
- A19. Weinberger S, Gabel R, Steinbrook R, Leith D, Fencel V. Ventilatory response to  $CO_2$  rebreathing after adrenergic blockade in goats. Fed Proc 41:1506, 1982.

