

Curriculum Vitae
MICHAEL J. KREMER, PhD, CRNA, CHSE, FNAP, FAAN

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EDUCATION

- 1997-1998 Post-doctoral research fellow, psychoneuroimmunology, Rush University College of Nursing. NINR-funded institutional training grant #T32NR07052, "Clinical Symptoms with Potential for Immunosuppression."
- 1993-1997 PhD, Rush University College of Nursing, Chicago, Illinois. Recipient, Nurse Anesthetist Faculty Fellowship funds from U.S. Department of Health and Human Services, #2A22NU50026-02. *Dissertation: A Study of Clinical Decision Making by Nurse Anesthetists*
- 1989-1991 M.S.N., Nursing Leadership, Seattle Pacific University, Seattle, Washington.
- 1979-1981 B.S., Nurse Anesthesia, University of Illinois – Springfield (formerly Sangamon State University) Certificate, St. John's Hospital, Springfield, Illinois.
- 1975-1978 B.S., Nursing, Northern Illinois University, DeKalb, Illinois
- 1971-1975 B.A., Psychology, Northern Illinois University, DeKalb, Illinois

PROFESSIONAL EXPERIENCE

- 2011-present **Professor, Adult Health & Gerontological Nursing, Rush University College of Nursing; Professor, Nursing Division, Rush University Graduate College; Director, Nurse Anesthesia**
2016: Member, University Council
2015: Chair, University Council
2015: Co-Presiding Officer, Faculty Senate
2014: Elected to Faculty Senate and Presiding Officer position
2013-2014: Member, Graduate College Council
2012-present: Champion, College of Nursing Strategic Plan Goal III, Student Life and Learning
2012-2014: Member, College of Nursing Admissions & Progressions Committee
2012-present: Course Director NSG 542 (Pharmacology), NSG 543B (Advanced Principles of Nurse Anesthesia), NSG 543C (Obstetric & Pediatric Anesthesia)
2012-present: Member, Rush University Medical Center APN Committee
- 2011-present **Co-Director, Rush Center for Clinical Skills and Simulation**
2012: Worked with R. Suhayda, PhD, RN, on development of survey related to unmet simulation needs in Rush University Medical Center, including analysis of survey data.
2012-2014: Collaborated with simulation leadership team on creation of new simulation center, moving from 1800 square foot space to 7500 square foot center, including three high fidelity simulation areas, with marked increased in utilization by interprofessional groups.
2014-2015: Worked with simulation leadership team on planning for second phase of new simulation center, an 8500 square foot space, including 12 clinical exam room for standardized

patient encounters. Work collaboratively with simulation leadership team on operational, educational, research and fund-raising activities.

- 2009-2011 Associate Professor, Adult Health & Gerontological Nursing; Director, Nurse Anesthesia Program & Co-Director, Simulation Lab, Rush University Medical Center**
 Operational responsibility for nurse anesthesia program with up to 72 students, including evaluation and faculty development for 18 faculty members. Oversight of didactic and clinical curriculum, assignment of teaching responsibilities, student recruitment and advising at the master's, DNP and PhD levels. Facilitation of compliance with COA Standards and Criteria. Shared operational responsibility for Rush University Simulation Lab, with 2 FTEs (Education Coordinator and Simulation Technician).
 2009-2010: Member, MSN Curriculum Committee
 2009-2011: Course Director, NRS 531B (Advanced Principles of Nurse Anesthesia); Co-Course Director, NRS 531C (Obstetric and Pediatric Anesthesia); Co-Course Director, NRS 530 F/G (Pharmacology)
 2009: Elected to Faculty Senate
 2010: Presiding Officer, Faculty Senate
 2011: Member, Faculty Senate
- 2010-2015 Contract CRNA, Aegis Ambulatory Anesthesia, Downers Grove, IL**
 Credentialed to provide anesthesia to patients across the lifespan undergoing surgical and diagnostic procedures in two surgicenters.
- 2006-2009 Associate Professor & Chair, Nurse Anesthesia Department, College of Health Professions, Rosalind Franklin University of Medicine and Science**
 Develop new nurse anesthesia program, including curricular design, clinical site acquisition, faculty and student recruitment. Oversight of program compliance with Council on Accreditation requirements. Assignment of faculty workload. Development of department budget, evaluation of faculty and staff. Member, CHP Curriculum Committee; Chair, Criterion 4 Higher Learning Commission Self-Study; Chair, Nursing Education Taskforce.
- 2006-2009 Staff Nurse Anesthetist, North Chicago V.A. Medical Center**
 Credentialed to provide anesthesia services to patients of all acuity across the age span. Patients included U.S. Navy active duty personnel and their dependents.
- 2002-2005 Co-Director, Rush University Simulator Laboratory**
 Plan, implement, and evaluate simulation curriculum for nurse anesthesia students and other students from the College of Nursing. Consultation on simulator curriculum and program development for other disciplines. Collaborated with Department of Philanthropy on \$250,000 grant for lab renovations from Chicago Community Trust.
- 2002-2005 Associate Professor, Adult Health & Gerontological Nursing, Rush College of Nursing**
 2009: Member, MSN Curriculum Committee
 2009: Elected to Faculty Senate & Presiding Officer-Elect position
 2006: Contract faculty member
 2004-2005, Member, Faculty Senate
 2004-2005, Member, AD-MSN & Rush-St. Xavier University DNP Task Forces
 2003-2004: Presiding Officer, Faculty Senate
 2002: Elected to Faculty Senate

- 1999-2005 Assistant Director, Nurse Anesthesia Program, Rush University College of Nursing, Chicago, Illinois.**
Responsible for second year of nurse anesthesia program curriculum and other activities as assigned by Program Director such as completion of the Annual Report to the Council on Accreditation of Nurse Anesthesia Educational Programs. Administrator, web-based clinical case database. Coordinator, post-certificate master's program.
- 1997-2002 Assistant Professor, Adult Health Nursing, Rush University College of Nursing, Chicago, Illinois.**
2002: Clinical preceptor, NUR 503, Advanced Physical Assessment
2001-2003: Member, College of Nursing Evaluation Committee
2000-2005: Course Director, NUR 530F, Nurse Anesthesia Pharmacotherapeutics I
2000: Chair, College of Nursing Evaluation Committee.
2000-2005: Guest lecturer, NUR 502, Role of the Nurse in Advanced Practice
1999-2005: Academic Advisor to MSN, DNP, and DNSc students
1999: Elected to College of Nursing Evaluation Committee.
1999: Member, Policy, Organization, Financing of Health Care Task Force, Graduate Curriculum Committee.
1997-2005: Course Director, NUR 531B, Advanced Principles of Nurse Anesthesia
1996-2005: Coordinator for NAN 600, Nurse Anesthesia Program Journal Club
- 1994-1997** Contract freelance anesthesia, northern and central Illinois.
- 1993-2005 Staff Nurse Anesthetist, Department of Anesthesiology, Rush University Medical Center, Chicago, Illinois.**
Administered anesthesia for patients of all acuity levels undergoing surgeries from low to high complexity. Practice included administration of regional anesthesia and pediatric anesthesia.
2003: Instructor in Course for Emergency Clinical Management Class
2001: Member, Operating Room Patient Tracking Committee.
- 1993-2005 Faculty, Nurse Anesthesia Program, Rush University College of Nursing, Chicago, Illinois.**
Didactic and clinical instruction in basic and advanced principles of nurse anesthesia. Faculty preceptor for student nurse anesthetists. Taught basic and advanced principles of nurse anesthesia. Participant in admissions interview process, recruitment activities for master's and doctoral programs. Coordinated journal club for senior students. Attend twice-monthly faculty meetings and evaluate clinical competence of students.
- 1992 Chief Nurse Anesthetist, Department of Anesthesiology, University of Washington Medical Center, Seattle.**
Responsible for staff recruitment, orientation, evaluation, clinical assignments. Conducted annual salary survey. Member, Department of Anesthesiology Quality Assurance Committee.
- 1983-1991 Staff Nurse Anesthetist/Teaching Associate, Department of Anesthesiology, University of Washington Medical Center, Seattle.**
Provided anesthesia for patients of all acuity levels undergoing surgical procedures of low to high complexity. Clinical anesthesia instructor for medical students, house staff, dental residents, and nursing students. Provided continuing education lectures. Helped to implement numerous clinical research protocols. Practice included full spectrum of regional anesthesia and invasive monitoring techniques.
- 1981-1983 Staff Nurse Anesthetist, Swedish Hospital Medical Center, Seattle, Washington.**
Provided anesthesia for patients of all acuity levels undergoing surgical procedures of low to high complexity. Presented continuing education lectures to peers.

- 1979-1981 **Staff Nurse, Emergency Room/Trauma Unit (Level I Trauma Center), St. John's Hospital, Springfield, Illinois.**
- 1978-1979 **Staff Nurse, Medical Intensive Care Unit, Rush-Presbyterian-St. Luke's Medical Center.**

PROFESSIONAL ORGANIZATIONS

American Association of Nurse Anesthetists

- 2015 Requested to develop module on didactic and clinical instruction for AANA Learn
- 2012-present Editorial Advisory Board, *AANA Journal*
- 2013 Member, AANA Foundation Fellowship Selection Committee
- 2012 Representative to ANA Congress on Nursing Practice and Economics
- 2009 Representative to ANA Scope and Standards of Practice Workgroup
- 2006 Member, AANA Foundation Research Committee
- 2005-2007 Member, DNP Expert Panel
- 2005-2006 Chair, Education Committee
- 2005 Invited participant, DNP Summit, June 9-10
- 2004 Trustee, AANA Foundation
- 2003 Represented AANA at AORN Annual Meeting
- 2001-2003 Chair, AANA Foundation.
- 2000 Elected Vice-Chair, AANA Foundation.
- 2000 Joined Friend for Life philanthropic group.
- 1999 Charter Member, History and Archives Society.
- 1999 Lead Investigator, Closed Claims Research Team.
- 1998 Representative to AORN Foundation Surgical Nursing Specialties Conference.
- 1997-2007 Associate Editor, *AANA Journal*.
- 1996 Representative to National Student Nurses' Association Mid-Year Assembly.
- 1996-1999 Chair, AANA Foundation Research Committee.
- 1995-present Investigator, AANA Foundation Closed Claims Study.
- 1994 TEFRA Rules Work Group.
- 1994-1995 Treasurer, CRNA-PAC.
- 1993-1994 Elected to CRNA-PAC.
- 1993 Hands-on instructor, spinal-epidural and hemodynamic monitoring workshops, Annual Meeting.
- 1993, 1994 Instructor in pre-convention infusion workshop, Annual Meeting.
- 1992-2007 Reviewer, *AANA Journal* Editorial Advisory Board.
- 1988 Hands-on instructor, brachial plexus workshop, Annual Meeting.

Council on Accreditation of Nurse Anesthesia Educational Programs

- 2013-present Chair On-site Reviewer & Consultant
- 2011-2012 Elected Vice-Chair
- 2011 Re-Elected as COA Secretary-Treasurer
- 2011 Representative to AANA Task Force on simulation education, February 12-13
- 2009 Elected to second 3-year term as CRNA Educator representative. Elected Secretary-Treasurer.
- 2007-2012 Chair, Practice and Research Doctorate Task Force
- 2007-2008 Chair, Annual Report Task Force
- 2006 Elected to 3-year term as CRNA Educator representative
- 2001-2006 Chair On-Site Reviewer
- 1997-1999 Team On-Site Reviewer

Higher Learning Commission, North Central Association of Colleges and Schools

2010-present PEAQ Consultant-Evaluator

American Nurses Association

2012 AANA Representative to Congress on Nursing Practice and Economics

2009 AANA Representative to Nursing Scope and Standards of Practice workgroup

American Academy of Nursing

2003 Inducted as Fellow

Member, Expert Panel on Acute and Critical Care

Member, Communications and Public Relations Committee

Editorial Reviewer, *Nursing Outlook*

American Society of PeriAnesthesia Nursing

2013-present Editorial reviewer, *Journal of PeriAnesthesia Nursing*

National Academies of Practice

2014 Selected for Fellowship

American Association of Colleges of Nursing

2012 Participant in AACN Leadership in Academic Nursing Program

Commission on Collegiate Nursing Education

2004 Chair, Nominating Committee

2003 Elected to Nominating Committee

Illinois Association of Nurse Anesthetists

2000 Chair, Nominating Committee

1999-2000. President.

1998-1999 President-Elect. Chief CRNA Negotiator on statutory language for Nurse Practice Act.

1996-1998 Treasurer.

1990 Secondary analysis of 1987 and 1991 member surveys.

1994-1995 Chair, Public Relations Committee. Developed public relations brochure.

1994-1996 Elected to Board of Directors.

1994-1999 Lobbied with Illinois delegation at AANA Mid-Year Assembly, Washington, DC.

1993-1995 Member, Public Relations Committee.

1993-1994 Member, PAC Committee.

Illinois Nurses Association**Institute of Medicine – Chicago**

2004 Selected for Fellowship.

2004-present Member, Chicago Patient Safety Forum

International Nursing Association for Clinical Simulation and Learning**Lippincott, Williams & Wilkins**

2006-present Editorial Advisory Board, *Men in Nursing*

2004-present Editorial Reviewer, *Orthopaedic Nursing Journal*

Midwest Nursing Research Society

1995-present Member, Pain and Health Policy & Decision Making Sections

2005 On-site judge, graduate student posters. April 3, Cincinnati, OH.

Sigma Theta Tau

1990-1991 Corresponding Secretary, Gamma Phi Chapter.
1990 Inducted into Psi Chapter-at-Large

Society for Simulation in Healthcare

2016 Certified Healthcare Simulation Educator

U.S. Bureau of Health Professions

2003 Peer Reviewer, Advanced Education Nursing Grant Applications, March 10-13.
2000 Peer Reviewer, Advanced Education Nursing Grant Applications, May 8-11.

Washington Association of Nurse Anesthetists

1992 Elected Director
1991 Chair, Nominating Committee
1988 Instructor, hemodynamic monitoring workshop, spring meeting.
1986 Member, Program Committee.
1984 Member, WANA-WSA Liaison Committee.

AWARDS/HONORS

2014 Selected for Fellowship in the National Academies of Practice
2009 Helen Lamb Outstanding Educator Award, American Association of Nurse Anesthetists
2004 Selected for Fellowship in the Institute of Medicine - Chicago
2003 Selected for Fellowship in the American Academy of Nursing
2002 Selected by graduating MSN students to serve as their "Hooder" during commencement
2000 Leadership Award, Rush University College of Nursing
1998 Voted CRNA of the Year by Rush University nurse anesthesia class of 1998.
1999 Distinguished Service Award from Gamma Phi Chapter, Sigma Theta Tau.
1997 Recipient, Dean's Writing Award, Rush University College of Nursing.
1992 Recipient, AANA Research in Action Award.
1991 AANA/Burroughs-Wellcome Fellowship Award.
1991 AANA/Burroughs-Wellcome Funded Program Administration Internship.

EXTERNAL FUNDING

2014 Nurse Anesthetist Traineeship Grant, A22HP27127-01-11, funded for \$38,492
2013 Nurse Anesthetist Traineeship Grant, A22HP26003-01-00, funded for \$23,399
2012 Nurse Anesthetist Traineeship Grant, A22HP24533-01-11, funded for \$31,122
2011 Nurse Anesthetist Traineeship Grant, A22HP21701-01-00, funded for \$22,985
2010 Office-Based Anesthesia Grant, AANA Foundation, funded for \$5,250
2009 Nurse Anesthetist Traineeship Grant, A22HP09496-02-00, funded for \$10,132
2008 Nurse Anesthetist Traineeship Grant, A22HP09496-01-00, funded for \$10,593
2006 Rush University Simulation Lab Infrastructure Improvement and Faculty Development Grant:
Funded by the Chicago Community Trust for \$250,000 (with Sarah Morris, Philanthropy)
2005 Nurse Anesthetist Traineeship Grant, A22HP04554-01-00, funded for \$27,506
2003 Nurse Anesthetist Traineeship Grant, A22HP00051-04, funded for \$23,002
2002 Nurse Anesthetist Traineeship Grant, A22HP00051-03, funded for \$32,706
2001 Nurse Anesthetist Traineeship Grant #A22HP00051BO funded for \$9,928.
2000 Nurse Anesthetist Traineeship Grant #T32GM12453-03 funded for \$23,614.
1999 Research Grant for \$2,000 from Illinois Association of Nurse Anesthetists to study rural CRNA manpower issues.

RESEARCH EXPERIENCE AND FUNDING

Focus areas: patient safety, clinical decision making and health care policy

- 2011 AANA Foundation Office-Based Anesthesia Grant. Funded for \$5,250. An on-line survey of over 500 CRNAs engaged in office-based anesthesia practice regarding their compliance with the AANA *Standards for Office-Based Practice*.
- 2010 Worked with M. Johnson, RN, PhD, on AANA Foundation sponsored qualitative analysis of 62 closed malpractice claims filed against CRNAs.
- 2003-2006 Rush University Simulation Lab (RUSL) Infrastructure Improvement and Faculty Development Grant: Funded by the Chicago Community Trust for \$250,000 (First author, with Sarah Morris, Philanthropy collaborating).
- 2000 Illinois Association of Nurse Anesthetists. \$2,000 to study anesthesia services provided by CRNAs in rural Illinois.
- 1996-present AANA Foundation Closed Malpractice Claims Study, Lead Investigator. Funding Source: AANA Insurance Services. \$75,000 expended to date.

INVITED PRESENTATIONS

- 2012
 - "Human Patient Simulation in Nurse Anesthesia Education." Illinois Association of Nurse Anesthetists, September 15.
 - "Interpreting the Standards and Criteria for Practice-Oriented Doctoral Degrees." COA Doctoral Workshop, San Francisco, CA, August 2.
 - "Human Patient Simulation in Nurse Anesthesia Education." International Federation of Nurse Anesthetists World Congress. Ljubljana, Slovenia, May 15.
 - "Faculty Workload: Metrics versus Reality." AANA Assembly of School Faculty meeting, San Diego, CA, February 25.
- 2011
 - "Key Developments in the Movement to Doctoral Education: How Did We Get Here and Where are We Going?" COA Doctoral Workshop, Boston, MA, August 4.
 - "Interpreting the Standards and Criteria for Practice-Oriented Doctoral Degrees." COA Doctoral Workshop, Boston, MA, August 5.
 - "Developing a Curriculum that Meets National Standards for Similar Degrees." COA Doctoral Workshop, Boston, MA, August 5.
- 2010
 - "Dexmedetomidine in Clinical Practice" and "Lipid Emulsion Rescue." Wisconsin Association of Nurse Anesthetists, Sturgeon Bay, WI, October 2.
 - Moderator, Panel on Doctoral Education. Illinois Association of Nurse Anesthetists Fall Meeting. Lombard, IL, September 25.
 - "Lessons Learned by a Newer Program Director," and panel discussion, AANA New Program Director Workshop, Park Ridge, IL, March 13.
- 2009
 - "Human Patient Simulation: What it is and What it Can Be." Washington Association of Nurse Anesthetists, Spokane, WA, September 19.
 - "The AANA Foundation Closed Malpractice Claims Study" and "Anesthesia Economics and Reimbursement: Panel Discussion on the Implications of the AANA CAER Commission Report on CRNA Practice." Illinois Association of Nurse Anesthetists. St. Louis, MO, April 18.
 - "Lessons Learned by a New Program Director." AANA New Program Director Workshop, Park

Ridge, IL, March 14.

- 2008 "Collaboration, Competence and Quality in an Evidence-Based World." Rush University College of Nursing, Chicago, IL. December 17.
"Lessons Learned by a New Program Director." AANA New Program Director Workshop, Park Ridge, IL. April 5.
- 2006 "Surgery, Pain and Immune Function" and "Simulation: What it is, and What it Can Be." Samford University, Birmingham, AL. October, 2006.
"Navigating the Peer Review Process." AANA Annual Meeting, Cleveland, OH, August 3.
"Perioperative beta blockade." Wisconsin Association of Nurse Anesthetists, Green Bay, WI, April 1.
- 2005 "Navigating the Peer Review Process." AANA Annual Meeting, Washington, DC. August 10.
"A History of the Practice Doctorate in a College of Nursing." AANA DNP Summit, Park Ridge, IL, June 9.
"Nurse anesthesia education and practice." Loyola University-Chicago, April 10.
- 2004 "Technological Innovations in Practice." NPACE, Chicago, October 2.
"A Tale of Two Papers – The Path to Publication." AANA Annual Meeting, Seattle, August 11.
"Nurse Anesthesia Career Opportunities." Loyola University-Chicago, March 20.
- 2003 "Anesthesia Workforce: 2003 & Beyond," "AHA/ACC Preoperative Testing Guidelines," and "Adjunctive Drugs in Pain Management." Michigan Association of Nurse Anesthetists, Traverse City, MI. September 26 & 27.
"Anesthesia Manpower & the Anesthesia Assistant Issue" & "Preoperative Testing Guidelines." Alabama Association of Nurse Anesthetists, Destin, FL, May 9.
- 2002 "Anesthesia Manpower and Anesthesia Assistants." Virginia Association of Nurse Anesthetists, Region 5. Richmond, VA, February 2.
"Research Proposal Critiques: Annihilation or Evaluation?" AANA Assembly of School Faculty, Scottsdale, AZ, February 16.
- 2001 "The AANA Foundation Closed Claims Research Study." Illinois Association of Nurse Anesthetists, Chicago, IL, October 6.
"Rural Realities Revisited: Perioperative Care in Rural Illinois." AANA Annual Meeting, San Francisco, CA, August 16.
"Research Ethics and Peer Review." AANA Writer's Workshop, Park Ridge, IL, May 21 & 22.
"AANA Foundation-Funded Research." AANA Foundation Advocacy Workshop, Park Ridge, IL, March 31.
- 2000 Graduation speaker, Ravenswood Hospital Medical Center Nurse Anesthesia Program, Chicago, IL.
"Management of the Difficult Pediatric Airway," World Congress VI for Nurse Anesthetists, Chicago, IL, August 9.
"The AANA Foundation Closed Claims Research Study – 2000" and "A Study of Clinical Decision Making by CRNAs." Clemson University Nurse Anesthesia Conference, Gatlinburg, TN, June 19.
"The AANA Foundation Closed Claims Research Study – 2000." Illinois Association of Nurse Anesthetists, Peoria, IL
"Surgery, Pain, and Immune Function" and "The Anesthetic Implications of HIV/AIDS Drug Therapy," Alabama Association of Nurse Anesthetists, Destin FL, May 5.
"Perioperative Care in Rural Illinois – Study Overview." AANA Mid-Year Assembly, Arlington, VA, April 18.

"How the AANA Foundation Supports Research." AANA Assembly of School Faculty, Scottsdale, AZ, February 26

- 1999 "Conscious Sedation," *Nursing Spectrum* Career Fair. Oak Brook, IL, October 18
 "A Study of Clinical Decision Making by CRNAs," AANA Annual Meeting, Boston, MA, August 9.
 "The Preoperative Pulmonary Assessment – Is This Patient at High Risk for Surgery?" New York State Association of Nurse Anesthetists, Spring Meeting, Brooklyn, NY, May 3.
 "Anesthesia Risk" and "The AANA Closed Claims Study," Charleston Anesthesia Conference. Medical University of South Carolina, Charleston, South Carolina, May 1.
 "A Study of Clinical Decision Making by CRNAs," University of Texas – Houston. Visiting Scholar, March 22-25.
- 1998 "Preoperative Identification of Pulmonary Risk Factors" and "Reactive Airways," Metro Detroit CRNA Meeting, Southfield, MI.
 "Anesthesia Tips for the ICU," Greater Chicago Chapter, American Association of Critical Care Nurses.
- 1997 "Anesthesia Risk," Kentucky-Indiana Nurse Anesthesia Meeting, French Lick, IN.
 "Preoperative Assessment of Pulmonary Risk Factors," AANA Annual Meeting, San Francisco.
 "Risks and Benefits of Regional Anesthesia" & "Practical Points on Brachial Plexus Anesthesia," Sycamore Anesthesia Services Meeting, Sycamore, IL.
- 1996 "Nurse Anesthesia as a Career," National Student Nurses' Association Mid-Year Conference, Chicago, IL.
 "AANA Update," IANA Fall Meeting, Oak Brook, IL.
 "Collegiality," IANA Spring Meeting, Peoria, IL
- 1995 "Reactive Airways" & "Care Shifts to Outpatient Settings," Clemson University's Smoky Mountain Conference for Nurse Anesthetists, Gatlinburg, TN.
- 1993 "Sedation by Infusion – A Clinical Trial in Cardiac Surgery Patients," Regional Anesthesia Meeting, Coeur d'Alene, Idaho.
- 1992 "Sedation by Infusion – A Clinical Trial in Cardiac Surgery Patients," AANA Annual Meeting, Denver.
- 1991 "Sedation by Infusion – A Clinical Trial in Cardiac Surgery Patients," Poster Session, World Congress III for Nurse Anesthetists, Oslo, Norway.
- 1989 "Nurse Anesthesia in America," Veteran's General Hospital, Taipei, Taiwan.

REFEREED PUBLICATIONS

* = data-based

- Hawkins, R., Swanson, B., Kremer, M. and Fogg, L. (2014). Content validity of questions for a patient satisfaction With general anesthesia care instrument. *Journal of PeriAnesthesia Nursing*, 29(1): 28-35.
- Hawkins, R., Swanson, B. Kremer, M. (2012). An integrative review of factors related to patient satisfaction with general anesthesia. *AORN J*, 96(4): 368-376.
- Watts, D. & Kremer, M. (2011). Complex regional pain syndrome: an AANA *Journal* study course. *AANA J*, 79(6): 505-510.

- Griffis, C., Page, G., Kremer M., Yermal S. (2008). Implications of immune function to anesthesia care. *AANA Journal* course. *AANA Journal*, 76(6): 449-454.
- *Kremer, M. & Fallacaro, M. (2008). Development of a position statement: the nurse anesthesia program administrator. *AANA Journal*, 76:12-16.
- Starnes-Ott, K. & Kremer, M. (2007). Recruitment and retention of nurse anesthesia faculty: issues and strategies. *AANA Journal*. 75:13-16.
- Kremer, M. & Litwin, M. (2006). Stop medication diversion in its tracks. *Men in Nursing*.1:42-50.
- Paje, D. & Kremer, M. (2006). Perioperative implications of obstructive sleep apnea. *Orthopaedic Nursing Journal*.25(5): 291-297.
- Kremer, M. & Blair, T. (2006). Ludwig angina: Forewarned is forearmed. *AANA Journal*. 74: 445-451.
- *Fritzlen, T., Kremer, M. & Biddle, C. (2003). The AANA Foundation closed malpractice study on nerve injuries during anesthesia. *AANA Journal*, 71 (5): 347-352.
- Doyle, S. & Kremer, M. (2003). *AANA Journal* Course: Update for nurse anesthetists – Parkinson disease. *AANA Journal*, 71 (3): 229-234.
- *Kremer, M., Faut-Callahan, M., Hicks, F. (2002). A study of clinical decision making by certified registered nurse anesthetists. *AANA Journal*. 70(5): 391-398.
- *Petty, W., Kremer, M. & Biddle, C. (2002). A synthesis of the Australian Patient Safety Foundation Anesthesia Incident Monitoring Study, the American Society of Anesthesiologists Closed Claims Project and the American Association of Nurse Anesthetists Closed Claims Study. *AANA Journal*. 70 (3):193-204.
- Kleinpell, R., Faut-Callahan, M., Lauer, K., Kremer, M., Murphy, M. and Sperhac, A. (2002). Collaborative practice in advanced practice nursing in acute care. *Critical Care Nursing Clinics of North America*. 14:307-313.
- *Moody, M. & Kremer, M. (2001). Preinduction activities: A closed malpractice claims perspective. *AANA Journal*. 69(6):461-465.
- *Jordan, L., Kremer, M., Crawford, K. (2001). Data-driven practice improvement: The AANA Foundation Closed Malpractice Claims Study. *AANA Journal*. 69(4): 301-316.
- Akre, D., El-Ganzouri, A., Tuman, K., Kremer M. (2001). Use of the intubating laryngeal mask In a difficult airway. Case report. *American Journal of Anesthesiology*. 28(3): 135-136.
- Kremer, M. (1999). Surgery, pain, and immune function. *CRNA: The Clinical Forum for Nurse Anesthetists*,10 (3): 2-8.
- Kremer, M. (1999). Foreword: Immune Disease. Issue Editor. *CRNA: The Clinical Forum for Nurse Anesthetists*, 10 (3): 1.
- Kremer, M. & Faut-Callahan, M. (1998). The national practitioner data bank. *CRNA: The Clinical Forum for Nurse Anesthetists*, 9 (4): 157-162.
- Kremer, M. (1997). Journal course: Update for nurse anesthetists – The preoperative pulmonary assessment: Is this patient at high risk for surgery? *AANA Journal*, 66 (5): 467-480.
- *Kleinpell, R., Bedrosian, C., McCormick, L., Kremer, M., Bujalski, L. & Bronsted, R. (1996). ICU nursing practice use of peripheral nerve stimulators in patients receiving neuromuscular blockade. *American Journal of Critical Care*, 5 (6): 449-454.
- Kremer, M. (1995). What's new with reactive airways and anesthesia? *CRNA: The Clinical Forum for Nurse Anesthetists*, 6 (1): 15-20.
- Kremer, M. (1994). Anesthesia for interventional angiography. *CRNA: The Clinical Forum for Nurse Anesthetists*, 5 (1): 22-25.
- Kremer, M. (1993). "Case presentations in anesthesia and intensive care – Book review." *AANA Journal*, 61 (2): 108.
- *Kremer, M. & Bachenberg, K. (1993). Sedation by infusion – a clinical trial in cardiac surgery patients. *AANA Journal*, 61 (3): 273-276.

Abstracts

- *Osborne, L., Cullum, M., Pellegrini, J. Kremer M. & Faut-Callahan, M. (2006). Salivary cortisol as a biological marker for screening of enlisted submariners. *AANA Journal*, 74(6): 466-467.

- *Kremer, M., Faut-Callahan, M., Hicks, F., Halstead, L. & Shott, S. (1999). A study of clinical decision making by certified registered nurse anesthetists. Abstract. *AANA Journal*, 67 (5): 454.
- *Wiley, J., Paice, J., Frame, D., Faut-Callahan, M., Kremer, M., Shott, S., Bonomi, P. (1999). The effect of an educational intervention on pain outcome measures in oncology patients. Abstract. *AANA Journal*, 67 (6): 527.
- *Kremer, M., Crawford, K., Golinski, M., Jordan, L., Larson S., Mahiger, L., Moody, M., Nagelhout J., Shott, S., Williams, J., & Bulau, J. (1996). Abstract. An analysis of closed malpractice claims filed against nurse anesthetists. *AANA Journal*, 64 (5): 440.
- *Kremer, M. & Bachenberg, K. (1992). Sedation by infusion – a clinical trial in cardiac surgery patients. Abstract. *AANA Journal*, 60 (4): 354-355.

Textbook Chapters

- Kremer, M. & Horton, B. (2016). The accreditation process. In Billings, D. & Halstead J., (Eds.) *Teaching in Nursing*. St. Louis: Elsevier, 508-524.
- Faut Callahan, M. & Kremer, M. (2014). The Certified Registered Nurse Anesthetist. In Hamric, A. et al., (Eds.) *Advanced Practice Nursing: An Integrative Approach*. St. Louis: Saunders Elsevier, 479-503.
- Kremer, M. & Faut Callahan, M. (2013). Outcomes assessment in nurse anesthesia. In Kleinpell, R., (Ed). *Outcome Assessment in Advanced Practice Nursing*. (3rd Ed.) New York: Springer, 259-290.
- Kremer, M. & Faut-Callahan, M. (2011). Reimbursement for expanded professional nursing services. In Stanley, J. *Advanced Practice Nursing: Emphasizing Common Roles*. (3rd Ed.). Philadelphia: F.A. Davis, 181-220.
- Kremer, M. (2010). Non-opioid analgesics. In Joyce, J. & Ouellette, R., Eds. *Pharmacology for Nurse Anesthesiology*. Sudbury, MA: Jones & Bartlett, 77-94.
- Kremer, M. & Faut-Callahan, M. (2008). Outcomes assessment in nurse anesthesia. In Kleinpell, R., Ed. (2nd Ed.) *Outcomes in Advanced Practice Nursing*. New York: Springer, 245-266. Selected as *AJN Book of the Year* in Advanced Practice
- Faut-Callahan, M. & Kremer, M. (2008). The certified registered nurse anesthetist. In Hamric, A., Spross J. & Hanson, C., Eds. *Advanced Nursing Practice: An Integrative Approach*. 4th Ed. St. Louis: Saunders Elsevier, 489-542.
- Kremer, M. (2005). Fluid management and transfusion. In Karlet, M., Ed. *Nurse Anesthesia Secrets*. St. Louis: Elsevier Mosby: 215-224.
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- Kremer, M. & Faut-Callahan, M. (1999). Pediatric regional anesthesia and pain management. In Zaglaniczny, K. & Aker, J., Eds. *A Pediatric Anesthesia Handbook*. Philadelphia: Saunders, 359-382.

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- Text received American Journal of Nursing Book of the Year Awards for clinical issues & professional development.*

Non-Peer Reviewed Publications

- Dosch, M., Fallacaro, M. and Kremer, M. (2007). AANA Doctoral Task Force Aggregate Survey Data. In *Report of the AANA Task Force on Doctoral Preparation of Nurse Anesthetists*. Park Ridge, IL: American Association of Nurse Anesthetists.
- Kremer, M. (2006). Profile in *Chicago Hospital News*, 4 (3); <http://www.chicagohospitalnews.com/specialfocus/default.asp?articleID=930>
- Kremer, M. (2000). Demand for Illinois nurse anesthetists growing. *Nursing Spectrum*, 13 (17): 14.
- Kremer, M. (2000). Excellence in nurse anesthesia research. *AANA News Bulletin*, 54 (2): 12.
- Kremer, M. (2000). The state of the state in nurse anesthesia. *Nursing Spectrum*, 13 (1): 24.
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- Kremer, M. (1995). Issues for nurse anesthetists. *Nursing Spectrum*, 8 (5): 12.
- Kremer, M. (1995). Copywriting for IANA public relations brochure.
- Kremer, M. (1995). Comparison analysis of IANA 1987 & 1881 surveys. Presented to Illinois Association of Nurse Anesthetists Board of Directors.
- Kremer, M. (1994). AANA Fiscal Year 1993 Member Survey : Practice Patterns in Team Settings. Presented to American Association of Nurse Anesthetists Board of Directors.

Poster Presentations

- Kremer, M., Jordan, L. & Fogg, L. The AANA Foundation Office-Based Anesthesia Study. AANA Annual Meeting. Las Vegas, NV, August 6, 2013.
- Kremer M. & Wiley J. The evolution of doctoral education for CRNAs at Rush University. International Federation of Nurse Anesthetists. The Hague, The Netherlands, June 6, 2010.
- Kremer, M. Development of a nurse anesthesia program in a college of health professions. Associate of Schools of Allied Health Professionals. San Diego, CA. October 5, 2008.
- Kremer, M. Advancing Patient Safety Through Simulation: The RUSL Experience." Chicago Patient Safety Forum. Northwestern Memorial Hospital, Chicago, March 11, 2005.
- Kremer, M. & Jordan, L. "Data-Driven Practice Improvement: The AANA Foundation Closed Claims Study." Midwest Nursing Research Society, Grand Rapids, MI, April 6, 2003.
- Kremer, M. & Stark, P. Rural realities revisited: anesthesia care in rural Illinois. AANA Annual Meeting. San Francisco, CA, August 16, 2000.
- Kremer, M. & Bachenberg, K. Sedation by infusion: a clinical trial in cardiac surgery patients. International Federation of Nurse Anesthetists. Oslo, Norway, June 10, 1991.

Interviews

- Cameron, P. (2011). Surgery simulators give residents a hand in building skills. *Chicago Tribune*. January 26.
- Royer, J. (2004). Nurse anesthetists: Unique specialty affords nurses patient care and autonomy. *Chicago Tribune*. January 18.

- Gerson, V. (2003). Nurse anesthetists: Advanced nursing specialty a challenging career choice. *Chicago Tribune*, February 16.
- Waite, J. (1999). Nurses unify to pass advanced practice legislation. *Rush Record*, Fall-Winter 1998-1999: 12.
- Bartlett, T. (1995). Making surgery less traumatic: Mike Kremer, nurse anesthetist. *Chicago Sun Times*, September 10.

Letters to the Editor

- Kremer, M. (2011). Response to Cronenwett et al. (2011). The Doctor of Nursing Practice: A National Workforce Perspective. *Nursing Outlook* 2011;59:9-17. In *Nursing Outlook* 2011;59:129-130.
- Kremer, M. (2006). Response to Rich, J. (2005). Dexmedetomidine as a sole sedating agent with local anesthesia in a high-risk patient for axillofemoral bypass graft: A case report. *AANA Journal*, 73 (5).
- Kremer, M. (1996). Response to Abenstein, J. & Warner, M. (1996). Anesthesia providers, patient outcomes, and costs. *Anesthesia & Analgesia*, 82: 1273-1283. In *Anesthesia & Analgesia*, 83 (6): 1348-1349.

DISSERTATION COMMITTEES

- Tracy, A. (2016). Assessment of factors that facilitate role transition of nurses to the Certified Registered Nurse Anesthetist role. Dissertation reader. University of Wisconsin – Milwaukee.
- Greiner, S. (2015). Use of the Delphi technique to develop a definition for emergence delirium. Advisor. Dissertation committee member. Rush University College of Nursing, Chicago.
- McMullan, S. (2009). Examination of extubation criteria in obese pediatric surgical patients. Dissertation Committee Member, Rutgers, The State University of New Jersey.
- Osborne, L. (2006). Salivary cortisol as a biological marker for screening of enlisted submariners. Dissertation Committee Member, Rush University College of Nursing.
- Nezat, G. (2005). Establishment of a minimum essential medical information requirement for the United States Navy's common access card: A Delphi study. Advisor and Committee Chair, Rush College of Nursing.
- Willadsen, S. (2005). Fatigue and its correlated and their impact on functional performance in a community sample with COPD. Dissertation Committee Member.
- Cornelius, J. (2000). The effectiveness of an experiential learning method on nursing students' knowledge, attitudes, willingness, and perceived preparedness to provide care to HIV/AIDS patients. Advisor and Dissertation Committee Chair.
- Hand, W. (1998). A study of propofol and analgesia using a pneumatic tourniquet model. Committee Member. Rush University College of Nursing.

DOCTOR OF NURSING PRACTICE PROJECTS

- Ballinger, B. (2015). Development of a mentoring and wellness program for SRNAs. Rush University College of Nursing. (Advisor).
- Bond, B. (2015). Implementation of training on obstructive sleep apnea assessment for preoperative nurses at Skokie Hospital. (Advisor).
- Cook, D. (2015). Implementation of and training on crisis management resource tools for perioperative staff at MacNeal Hospital.
- Cooper, C. (2015). Development of a protocol to reduce fresh gas flows at Porter Memorial Hospital (Advisor).
- Curry, S. (2015). Use of intraoperative hypnosis recordings as an adjunct to anesthesia care in the Rush SurgiCenter. (Advisor).
- Farmer, D. (2015). Implementation of an anesthesia to nursing staff handoff tool in the University of Chicago Medicine Neuro ICU.
- Lathitham, C. (2015). Development of a protocol to identify and track patients with difficult airway management issues at Rush-Oak Park Hospital (with M. Millichap).
- Millichap, M. (2015). Development of a protocol to identify and track patients with difficult airway management issues at Rush-Oak Park Hospital (with C. Lathitham).

- Ruggiero, M. Implementation of training on obstructive sleep apnea assessment for anesthesia providers at Skokie Hospital (Advisor).
- Vanderpuije, M. (2015). Implementation of an anesthesia to nursing staff handoff process at University of Chicago Medicine (with D. Farmer).
- Wagner, L. (2015). Enhancement of radiation safety measures for anesthesia providers at Rush University Medical Center (Advisor).
- Wallin, S. (2015). Development of a mentorship and wellness program for SRNAs. Rush College of Nursing (with B. Ballinger) (Advisor).
- White, J. (2015). Implementation of crisis management protocols for anesthesia providers at MacNeal Memorial Hospital.
- White, M. (2013). Development of a human patient simulation laboratory. (Advisor).
- Nevills, K. (2012). Development of radiation safety education for clinicians utilizing image-guided techniques for invasive procedures.
- Slowikowski, R. & Przygodzka, R. (2009). Promoting professional practice of certified registered nurse anesthetists at Rush University Medical Center. (Second Reader).
- Hinson, S. (2009). The integration of music therapy into anesthesia care at Laser Spine Institute. (Second Reader).
- Schwartz, P. (2009). Nurse anesthesia clinical faculty development. (Advisor)
- White, K. (2005). A model for evaluating the cost-effectiveness of various staffing patterns at a Veteran's Affairs anesthesia department. (Advisor).
- Rieker, M. (2003). Marketing plan for Life Line Pilots (Advisor).
- Stark, P. (2001). Perioperative care in rural Illinois. (Advisor).
- Hirschman, D. & Morby, L. (2001). A study of the safety of continued anticoagulation therapy for cataract surgery patients. Co-directed project with Dr. Margaret Faut-Callahan.

COMMUNITY ACTIVITIES

- Volunteer for "Kids First Health Fair," Waukegan Public Schools, Waukegan, IL, August 5, 2008.
- Volunteer for "Dream Halloween" fundraiser for Children Affected by AIDS Foundation, Chicago, 2002.
- Volunteer for WTTW-TV telephone fundraising, Chicago, 1993-1998.
- Volunteer for Tom Chiola, successful candidate for the 8th Judicial Subcircuit of Cook County, 1993.
- Participant in fundraising walk for Illinois Coalition Against Handgun Violence, 1993.
- Volunteer fundraising and data entry for Northwest AIDS Foundation, Seattle, 1989.

LEGAL CONSULTATION

EDUCATIONAL CONSULTATION

LICENSURE

- Illinois Registered Professional Nurse, #41-18393, expires 5/31/2018.
- Illinois Licensed Advanced Practice Nurse, #209-000455, expires 5/31/2018.
- Illinois Licensed Advanced Practice Nurse Controlled Substance, #309-006216, expires 5/31/2018.
- DEA MLP-Nurse Practitioner, #MK2796108, expires 12/31/2018.

CERTIFICATIONS

- National Board of Certification and Recertification for Nurse Anesthetists: recertified through 7/31/2020
- Basic Life Support (current through 1/2018), Advanced Cardiac Life Support (current through 7/2016) and Pediatric Advanced Life Support (current through 7/2016) .

REFERENCES

- Available upon request.