

CURRICULUM VITAE

BRIAN T. GEGEL, DNAP, CRNA

ADDRESS:

Gegel Anesthesia, PC
109 Michelangelo
San Antonio, TX 78258
(210)-370-7803
bgegel@gaspc.net

CIVILIAN EDUCATION:

08/2016-05/2017	University of South Florida Graduate Certificate Advanced Pain Management Tampa, FL
05/2010-08/2013	Texas Wesleyan University Doctorate of Nurse Anesthesia Practice (DNAP) Fort Worth, TX
06/1997-12/1999	The University of Texas Health Science Center Master of Science in Nursing (MSN) Houston, TX
08/1989-05/1994	Illinois Wesleyan University Bachelor of Science in Nursing (BSN) Bloomington, IL

MILITARY EDUCATION:

11/2002	Army Trauma Training Center (288 hours) Ryder Trauma Center, Miami, FL
05/2002	AMEDD Officer Advanced Course San Antonio, TX
10/2001	Combat Casualty Care Course (50 hours) San Antonio, TX
07/2000	Joint Trauma Training Center (286 hours) Ben Taub Trauma Center, Houston, TX
09/1994	AMEDD Officer Basic Course San Antonio, TX

US Army Graduate Program in Anesthesia Nursing (USAGPAN)

06/1997-06/1998	Nurse Anesthesia Graduate Student Academy of Health Sciences Fort Sam Houston, TX
07/1998-12/1999	Nurse Anesthesia Resident William Beaumont Army Medical Center El Paso, TX

LICENSURE:

Council on Certification of Nurse Anesthetists

1999-Present (Exp. Jul 2021)

Prescriptive Authority

2016-Present TX # 22056 (Exp. Sep 2022)

Advanced Practice Nursing

2000-Present TX APRN # AP110096 (Exp. Aug 2021)

2017-Present FL APRN #9465699 (Exp. Apr 2021)

2004-2008 IL APRN # 209005247 (Inactive)

Registered Nurse

1998-Present TX # 650674 (Exp. Aug 2021)

2017-2019 FL # 9469499 (Inactive)

1994-2008 IL # 041283490 (Inactive)

CERTIFICATION:

Basic Life Support (Exp. Apr 2021)

Advanced Cardiac Life Support (Exp. Apr 2021)

SPECIALIZED TRAINING:

2017	Interventional Advanced Pain Management - USF
2010	USAGPAN Regional Anesthesia Course
2010	Carolina Cadaver Course – Ultrasound Guided Regional Anesthesia
2007-08	Simulation Instructor - USAGPAN
2008	The Difficult Airway Course
2008	Protection of Human Research Subjects
2007	Institutional Animal Care and Use of Animals Committee
2007	AMEDD Instructor Training Course

PROFESSIONAL SOCIETY MEMBERSHIP:

1997-Present	American Association of Nurse Anesthetists (AANA) (Active #50526)
2000-Present	Texas Association of Nurse Anesthetists (TXANA)
2016-Present	CRNAs of San Antonio (CRNASA)

Sigma Theta Tau International Honor Society of Nursing – Zeta Pi Chapter

PROFESSIONAL EXPERIENCE: Certified Registered Nurse Anesthetist (CRNA)

02/2020-Present	University of Texas Health Science Center San Antonio (Prn) University Health System San Antonio, TX
04/2014-Present	Gegel Anesthesia, PC – San Antonio, TX
05/2018-Present	Precision Spine and Pain Management
05/2014-Present	YS Orthopedics – Castle Hills Surgery Center
05/2013-Present	Spine and Joint Pain Specialists
05/2013-04/2017	Practice of Dr. Donald Bacon, MD
10/2011-Present	Spine and Pain Center of San Antonio Pain Doctor / US Anesthesia Partners
08/2013-09/2019	Star Anesthesia, PA – STAT Division (Prn) San Antonio, TX
12/2015-11/2018	Atlas Anesthesia Associates (Prn) San Antonio, TX
12/2011-04/2014	Veteran Anesthesia Services, PLLC San Antonio, TX
10/2010- 01/2016	San Antonio Gastroenterology Associates (Prn) San Antonio, TX
09/2007-09/2011	Huffman Anesthesia at Columbus Community Hospital (Prn) Columbus, TX
10/2004-05/2011	Brooke Army Medical Center (BAMC) US Army Graduate Program in Anesthesia Nursing San Antonio, TX
12/2003-10/2004	Spectrum Healthcare Resources @ BAMC San Antonio, TX
11/2001-08/2013	Capitol Anesthesiology Association (Prn) Austin, TX
01/2000-12/2003	US Army MEDDAC Ft. Hood 126 th Forward Surgical Team (FST) Killeen, TX
Military Deployments	Operation Iraqi Freedom (2003) 126 th FST deployment - Baghdad, Iraq Plastic Surgery Humanitarian Mission (2001) Gracias Lempura, Honduras Operation Desert Scorpion (2001) 126 th FST deployment - Kuwait City, Kuwait

PROFESSIONAL EXPERIENCE: Non-CRNA

05/2017-2019	2 nd Reader for Scholarly Work Projects Texas Wesleyan University Doctorate of Nurse Anesthesia Practice Fort Worth, TX
02/2008-07/2015	Research Associate / Co-Investigator The Geneva Foundation Lakewood, WA

DECORATIONS, AWARDS, HONORS:

2012 & 2016	Discoveries of Distinction Award American Association of Nurse Anesthetists Foundation
2012	The Effects of using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia Phyllis J. Verhonick Nursing Research Course San Antonio, TX (1 st Place Research Poster)
2011	Doctoral Fellowship - American Association of Nurse Anesthetists Foundation
2010	The Effects of BleedArrest, Celox, and TraumaDex on Hemorrhage Control in a Porcine Model AANA Annual Meeting Seattle, WA (1 st Place Research Poster)
2009	Effects of Celox and TraumaDex on Hemorrhage Control in a Porcine Model AMSUS – The Society of Federal Health Professionals San Antonio, TX (2 nd Place Research Poster)
1999	Ruth P. Satterfield Award Outstanding Graduate Nurse Anesthetist William Beaumont Army Medical Center El Paso, TX

APPOINTMENTS:

09/2019-Present	Adjunct Instructor Medical University of South Carolina, Department of Health Professions, Division of Anesthesia for Nurses Charleston, SC
12/2017-Present	Adjunct Instructor Simulation-Based Academic Fellowship Advanced Pain Management at University of South Florida (USF) Tampa, FL

2011-2014	Adjunct Assistant Professor USAGPAN Fort Sam Houston, TX
01/2006-12/2011	Adjunct Clinical Assistant Professor Northeastern University Boston, MA
2008-2011	Clinical Assistant Professor USAGPAN Brooke Army Medical Center Fort Sam Houston, TX
2006–2008	Assistant Professor USAGPAN Fort Sam Houston, TX
2007-2008	Adjunct Assistant Professor University of Texas Health Science Center Houston, TX
2004-2006	Adjunct Clinical Faculty USAGPAN Brooke Army Medical Center Fort Sam Houston, TX
2002-2003	Adjunct Clinical Faculty USAGPAN US Army MEDDAC Ft. Hood Killeen, TX

GRADUATE RESEARCH COMMITTEES (USAGPAN):

The Effects of Hemostatic Agents and Hypothermia on Hemorrhage Control in a Porcine Model (2009-2014)

The Effects of BleedArrest, ExcelArrest-XT and ExcelArrest on Hemorrhage Control in the Porcine Model (2008-2010)

The Effects of Celox and Traumadex on Hemorrhage Control in a Porcine Model (2007-2009)

The Effects of the Hypothermia, Environmental, Exposure, and Trauma (HEET) Garment with Thermal Inserts on the Prevention of Hypothermia in a Treated Hypovolemic Porcine Model (2007-2008)

FUNDED RESEARCH:

Primary Investigator:

“The Effects of Celox and Traumadex on Hemorrhage Control in a Porcine Model,” American Association of Nurse Anesthetists Foundation (2008)

Associate Investigator:

“Effects of Routes of Administration of Vasopressin in a Cardiac Arrest Model,” TriService Nursing Research Program (2013)

“The Effects of Using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia,” American Association of Nurse Anesthetists Foundation (2010)

“The Effects of Hemostatic Agents and Hypothermia on Hemorrhage Control in a Porcine Model,” Triservice Nursing Research Program (2009)

“Pharmacokinetics of Intramuscular (IM), Intravenous (IV) and Intraosseous (IO) Atropine in Normovolemic and Hypovolemic Swine (*Sus scrofa*),” TriService Nursing Research Program (2009)

“A Comparison of Tibial EZ Intraosseous (IO), FAST-1 IO, Intravenous Routes of Administration on the Pharmacokinetics of Epinephrine During Cardiac Arrest,” American Association of Nurse Anesthetists Foundation (2009)

“A Comparison of Tibial EZ Intraosseous (IO), FAST-1 IO, Intravenous Routes of Administration on the Pharmacokinetics of Epinephrine During Cardiac Arrest,” Department of Clinical Investigation, Brooke Army Medical Center (2009)

“The Effects of BleedArrest, ExcelArrest-XT and ExcelArrest on Hemorrhage Control in the Porcine Model,” Hemostasis, LLC (2008)

“The Effects of the Hypothermia, Environmental, Exposure, and Trauma (HEET) Garment with Thermal Inserts on the Prevention of Hypothermia in a Treated Hypovolemic Porcine Model,” 59th Research Division, Lackland AFB, Texas (2007)

PUBLICATIONS:

Gegel B, Floyd J, Hart D, Barnhill K, Maye J. A Review of the Analgesic Benefits and Potential Complications Related to Epidural Corticosteroid Injections. *AANA Journal*. 2019; 87(1): 71-9.

Blouin, D, Gegel B, Johnson D, Garcia Blanco J. Effects of Intravenous, Sternal, and Humerus Intraosseous Administration of Hextend on Time of Administration and Hemodynamics in a Hypovolemic Swine Model. *American Journal of Disaster Medicine*. 2017; 11(3): 183-92.

Garcia Blanco J, Gegel B, Burgert J. et al. The Effects of Movement on Hemorrhage When QuikClot® Combat Gauze™ Is Used in a Hypothermic Hemodiluted Porcine Model. *Journal of Special Operations Medicine*. 2015; 15(1): 57-60.

Johnson D, Westbrook D, Gegel B, et al. The Effects of QuikClot Combat Gauze on Hemorrhage Control When Used in a Porcine Model of Lethal Femoral Injury. *Journal of Disaster Medicine*. 2014; 9(4): 309-15.

Johnson D, Bates S, Gegel B. et al. The Effects of QuikClot Combat Gauze on Hemorrhage Control in the Presence of Hemodilution and Hypothermia. *Annals of Medicine and Surgery*. 2014; 3(2): 21-25.

Burgert J, Mozer S, Gegel B, et al. The Effects of Intraosseous Transfusion of Whole Blood on Hemolysis and Transfusion Time in a Swine Model of Hemorrhagic Shock. *AANA Journal*. 2014; 82(3): 198-202.

Loughren M, Kilbourn J, Gegel B, et al. Comparison of Muscle Paralysis After Intravenous and Intraosseous Administration of Succinylcholine in Swine. *Journal of Special Operations Medicine*. 2014; 14(2): 35-37.

Johnson D, Dial J, Gegel B, et al. Effects of Intraosseous and Intravenous Administration of Hextend® on Time of Administration and Hemodynamics in a Swine Model. *Journal of Special Operations Medicine*. 2014; 14(1): 79-85.

Gegel B, Burgert J, Gasko J, et al. The Efficacy of QuikClot Combat Gauze, Fluid Resuscitation and Movement on Hemorrhage Control in a Porcine Model of Hypothermia. *British Journal of Medicine and Medicinal Research*. 2014; 4(7): 1483-93.

Johnson D, Gegel B, Burgert J, et al. Effects of Fluid Resuscitation When BleedArrest is Used for Hemorrhage Control. *Analgesia & Resuscitation: Current Research*. 2013; 2(2): 1-3.

Gegel B, Johnson D, Austin P. An Evidence-Based Review of the Use of QuikClot Combat Gauze for Hemorrhage Control. *AANA Journal*. 2013;81(6): 453-58.

Gegel B, Burgert J, Johnson D, et al. The Effects of Quikclot Combat Gauze and Movement on Hemorrhage Control in a Porcine Model. *Military Medicine*. 2012;177(12):1543-47.

Johnson D, Gegel B, Burgert J, et al. The Effects of QuikClot Combat Gauze, Fluid Resuscitation, and Movement on Hemorrhage Control in a Porcine Model. *ISRN Emergency Medicine*. 2012; Article ID 927678:1-6.

Gegel B, Burgert J, Loughren M, Johnson D. The Effects of BleedArrest on Hemorrhage Control in a Porcine Model. *AMEDD Journal*. 2012; Oct-Dec: 31-35.

Johnson D, Gegel B, Burgert J, et al. The Effects of QuikClot Combat Gauze on Hemorrhage Control in the Presence of Hemodilution. *AMEDD Journal*. 2012; Oct-Dec: 36-39.

Burgert J, Gegel B, Loughren M, et al. A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine during Cardiac Arrest: A Pilot Study. *AANA Journal*. 2012;80(4):S6-S10.

Gasko J, Johnson D, Sherner J, et al. The Effects of using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia. *AANA Journal*. 2012;80(4):S56-S59.

Burgert J, Gegel B, Neal A, et al. The Effects of Arterial Blood Pressure on Rebleeding when BleedArrest, Celox and TraumaDex are used in a Porcine Model of Lethal Femoral Injury. *Military Medicine*. 2012;177(3):340-44.

Gegel B, Burgert J, Johnson A, et al. The Effects of BleedArrest, Celox, and TraumaDex on Hemorrhage Control in a Porcine Model. *Journal of Surgical Research*. 2010; 164: e125-e129.

Burgert J, Gegel B, Johnson A, Loughren M. Intraosseous Infusion. *Current Reviews in Nurse Anesthesia*. 2010; 33(6): 63-68.

Johnson A, Gegel B, Burgert J, et al. The Effects of the Hypothermia, Environmental, Exposure, and Trauma (HEET) Garment with Thermal Inserts on the Prevention of Hypothermia in a Treated Hypovolemic Porcine Model. *Journal of Surgical Research*. 2010; 164: 126-30.

Burgert J, Gegel B, Johnson A, et al. The Effects of Arterial Blood Pressure on Rebleeding when Celox and Traumadex are used in a Porcine model of Lethal Femoral Injury. *AANA Journal*. 2010; 78 (3): 230-36.

Gegel B, Burgert J, Johnson A, et al. The Effects of Celox and Traumadex on Hemorrhage Control in a Porcine Model. *AANA Journal*. 2010; 78 (2): 115-20.

Gegel B. A Field Expedient U-PAC Draw-over Vaporizer Set-up. *AANA Journal*. 2008; 76 (3):185-87.

Gegel B. Management of the Difficult Airway: Use of the Sims Portex Tracheal Tube Introducer. *Anesthesia Today*. 2001; 12 (Fall): 11-13.

Gegel B, Salmi M, Zitzelberger J. Determination of the Optimal Volume of Oxygen Reservoir Tubing for Use with the Ohmeda U-PAC Draw-over Vaporizer. *UTHHSC Thesis*. 1999.

Gegel B. A Lesson from the Past. *Chart*. 1993; 90 (5): 6.

PRESENTATIONS (peer-reviewed):

Gegel B, Burgert J, Gasko J, et al. (2013) The Efficacy of QuikClot Combat Gauze, Fluid Resuscitation and Movement on Hemorrhage Control in a Porcine Model of Hypothermia. American Association of Nurse Anesthetists Annual Meeting. Podium and poster presentation. Las Vegas, NV.

Gegel B, Johnson D, Austin P. (2013) An Evidence-Based Review of the Use of QuikClot Combat Gauze for Hemorrhage Control. American Association of Nurse Anesthetists Annual Meeting. Poster presentation. Las Vegas, NV.

Gegel B, Johnson D, Austin P. (2013) An Evidence-Based Review of the Use of QuikClot Combat Gauze for Hemorrhage Control. Texas Association of Nurse Anesthetists Spring Meeting. Poster presentation. Austin, TX.

Gegel B, Burgert J, Gasko J, et al. (2012) The Effects of Quikclot Combat Gauze and Movement on Hemorrhage Control in a Porcine Model. Texas Association of Nurse Anesthetists Fall Meeting. Poster presentation. San Antonio, TX.

Burgert J, Gegel B, Loughren M, et al. (2012) A Comparison of Tibial Intraosseous (IO), Sternal IO, and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine during Cardiac Arrest: A Pilot Study. American Association of Nurse Anesthetists Annual Meeting. Podium and poster presentation. San Francisco, CA.

Franzen T, Gasko J, Gegel B, et al. (2012) The Effects of using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia. American Association of Nurse Anesthetists Annual Meeting. Podium and poster presentation. San Francisco, CA.

Agee S, Johnson D, Gegel B, et al. (2012) The Effects of QuikClot Combat Gauze on Hemorrhage Control in the Presence of Hemodilution. American Association of Nurse Anesthetists Annual Meeting. Podium and poster presentation. San Francisco, CA.

Gegel B, Burgert J, Johnson D, et al. (2012) The Effects of Quikclot Combat Gauze and Movement on Hemorrhage Control in a Porcine Model. American Association of Nurse Anesthetists Annual Meeting. Poster presentation. San Francisco, CA.

Gasko J, Gegel B, Burgert J, et al. (2012) The Effects of using Simulation vs. CD-ROM in the Performance of Ultrasound Guided Regional Anesthesia. Phyllis J. Verhonick Nursing Research Course. Poster presentation. San Antonio, TX.

Burgert J, Gegel B, Johnson J, et al. (2011) A Comparison of Tibial Intraosseous (IO), Sternal IO and Intravenous (IV) Routes of Administration on the Pharmacokinetics of Epinephrine during Cardiac Arrest. Association of Military Surgeons of the United States Annual Meeting. Poster presentation. San Antonio, TX.

Gegel B, Burgert J, Johnson D, et al. (2011). The Effects of BleedArrest on Hemorrhage Control in a Porcine Model of Lethal Femoral Injury. Association of Military Surgeons of the United States Annual Meeting. Poster presentation. San Antonio, TX.

Burgert J, Gegel B, Loughren M, et al. (2011) The Effects of Fluid Resuscitation on Rebleeding When BleedArrest is used in a Porcine Model of Lethal Femoral Injury. Association of Military Surgeons of the United States Annual Meeting. Poster presentation. San Antonio, TX.

Loughren M, Burgert J, Gegel B, et al. (2011) The Pharmacokinetics of IM, IV and IO Atropine in Hypovolemic Swine. Association of Military Surgeons of the United States Annual Meeting. Poster presentation. San Antonio, TX.

Brennan A, Gegel B, Burgert J, et al. (2011) The Effects of Fluid Resuscitation on Rebleeding When BleedArrest is used in a Porcine Model of Lethal Femoral Injury. State of the Science Podium and poster presentation. American Association of Nurse Anesthetists Annual Meeting. Boston, MA.

Gegel B, Burgert J, Gasko J, et al. (2011) The Effects of BleedArrest on Hemorrhage Control in a Porcine Model. Poster presentation. American Association of Nurse Anesthetists Annual Meeting. Boston, MA.

Burgert J, Gegel B, Johnson D, et al. (2010). The Maximum Concentration of Intraosseous (IO) v. IV v. IM Atropine in a Porcine Model of Cardiac Arrest. US Army Postgraduate Advanced Nursing Practice Short Course. Podium presentation. San Antonio, TX.

Cooley B, MacGregor J, Gegel B, et al (2010). The Effects of BleedArrest, Celox, and TraumaDex on Hemorrhage Control in a Porcine Model. American Association of Nurse Anesthetists Annual Meeting. Poster presentation. Seattle, WA.

Reed J, Cheek K, Gegel B, et al (2010). The Effects of ExcelArrest on Hemorrhage Control in a Porcine Model. American Association of Nurse Anesthetists Annual Meeting. Poster presentation. Seattle, WA.

Neal A, Burgert J, Gegel B, et al. (2010). The Effects of Arterial Blood Pressure on Rebleeding when using BleedArrest, Celox and Traumadex are Used in a Porcine Model of Lethal Femoral Injury. American Association of Nurse Anesthetists Annual Meeting. Poster presentation. Seattle, WA.

Hirst H, Gegel B, Johnson D, et al (2010). The Effects of Arterial Blood Pressure on Rebleeding when using ExcelArrest in a Porcine Model of Lethal Femoral Injury. American Association of Nurse Anesthetists Annual Meeting. Poster presentation. Seattle, WA.

Gegel B, Burgert J, Johnson D, et al (2010). The Effects of Hemostatic Agents on Hemorrhage Control in a Porcine Model. Phyllis J. Verhonik Nursing Research Conference. Podium presentation. San Antonio, TX.

Gegel B, Burgert J, Johnson D, et al (2010). The Effects of Hemostatic Agents on Hemorrhage Control in a Porcine Model. US Army Post Graduate Nurse Anesthesia Short Course. Podium presentation. San Antonio, TX.

Gegel B, Burgert J, Johnson D, et al (2009). The Effects of Hemostatic Agents on Hemorrhage Control in a Porcine Model. 11th Battlefield Healthcare: The Next Generation of Treatment, Training, and Technology. Podium presentation. San Antonio, TX.

Gegel B, Burgert J, Johnson D, et al (2009). The Effects of BleedArrest and ExcelArrest on Hemorrhage Control in a Porcine Model. Sigma Theta Tau at UTHSCSA. Poster presentation. San Antonio, TX.

Burgert J, Gegel B, Johnson D, et al (2009). The Effects of Arterial Blood Pressure on Rebleeding when BleedArrest and ExcelArrest are used in a Porcine model of Lethal Femoral Injury. Sigma Theta Tau at UTHSCSA, Poster presentation. San Antonio, TX.

Gegel, B, Burgert J, Johnson D, et al (2009). The Effects of Celox and Traumadex on Hemorrhage Control in a Porcine Model. Pacific Institute for Nursing Conference. Podium presentation. Honolulu, HI.

Gegel B, Burgert J, Johnson D, et al (2008). The Effects of Celox and Traumadex on Hemorrhage Control in a Porcine Model. Association of Military Surgeons of the United States. Poster presentation. San Antonio, TX.

Burgert J, Gegel B, Johnson D, et al (2008). The Effects of Arterial Blood Pressure on Rebleeding when Celox and Traumadex are used in a Porcine model of Lethal Femoral Injury. Association of Military Surgeons of the United States. Poster presentation. San Antonio, TX.

Gegel B, Burgert J, Johnson D. (2008). The Effects of Celox and Traumadex on Hemorrhage Control in a Porcine Model. Texas Association of Nurse Anesthetists Fall Meeting. Podium presentation. San Antonio, TX.

Robison R, Gegel B, Johnson D, et al (2008). The Effects of the Hypothermia, Environmental, Exposure, and Trauma (HEET) Garment with Thermal Inserts on the Prevention of Hypothermia in a Treated Hypovolemic Porcine Model. Phyllis J. Verhonik Nursing Research Conference. Podium presentation. San Antonio, Texas.

Gegel B, Ramos-Alarilla J, Conroy J. (2008). US Army Graduate Program in Anesthesia Nursing Trauma Simulation Field Training Exercise. 8th International Meeting on Simulation in Healthcare. Poster presentation. San Diego, CA.

O'Brien S, Gegel B, Johnson D, et al (2007). The Effects of the Hypothermia, Environmental, Exposure, and Trauma (HEET) Garment with Thermal Inserts on the Prevention of Hypothermia in a Treated Hypovolemic Porcine Model. Texas Association of Nurse Anesthetists Fall Meeting. Podium presentation. San Antonio, TX.

Gegel B. (2004). Far Forward Surgical Care: The Role of the Army FST. The North Carolina Association of Nurse Anesthetists Fall Meeting. Podium presentation. Charlotte, NC.

Gegel B. (2004). Far Forward Surgical Care: The Role of the Army FST. Brooke Army Medical Center Trauma Symposium. Podium presentation. San Antonio, TX.

Gegel B. (2003). Far Forward Surgical Care: The Role of the Army FST. The Uniformed Services Society of Anesthesiologists (USSA) 1st Annual Meeting. Podium presentation. San Francisco, CA.

Gegel B. (2001). Draw-over Anesthesia. University of Missouri at Kansas City Nurse Anesthesia Program 50th Anniversary Conference. Kansas City, MO.

Gegel B, Salmi M, Zitzelberger J. (2000). Determination of the Optimal Volume of Oxygen Reservoir Tubing for Use with the Ohmeda U-PAC Draw-over Vaporizer. Phyllis J. Verhonik Nursing Research Conference. Poster presentation. San Antonio, TX.

Gegel B. (2000). Draw-over Anesthesia. The Arkansas Association of Nurse Anesthetists Spring Meeting. Eureka Springs, AR.

Gegel B. (2000). Draw-over Anesthesia. The Texas Association of Nurse Anesthetists Spring Meeting. San Antonio, TX.

Gegel B, Salmi M, Zitzelberger J. (1999). Determination of the Optimal Volume of Oxygen Reservoir Tubing for Use with the Ohmeda U-PAC Draw-over Vaporizer. American Association of Nurse Anesthetists Annual Meeting. Podium and poster presentation. Boston, MA.

REFERENCES: Available upon request