

Education

M.D.	University of Wisconsin Medical School, Madison, WI	08/1983-05/1987
B.S.	United States Military Academy, West Point, NY	07/1979-05/1983

Training

Command and General Staff College, Ft Leavenworth, KS (nonresident)	07/1995-06/1996
Anesthesiology Residency, University of Colorado Health Science Center, Denver, CO	07/1991-06/1994
Officer Advanced Course, Army Med Dept, Ft Sam Houston, TX (nonresident)	03/1990-08/1990
Internship, Fitzsimons Army Medical Center	07/1987-06/1988

Licensure and Certification

Medical License, Tennessee (43494)	03/2008-present
Medical License, Texas (J5397); (allowed to expire upon moving to TN)	03/1994-11/2009
Medical License, Wisconsin (29569); (allowed to expire upon moving to TX)	07/1987-10/1995
Board Certification, American Board of Anesthesiology	04/1995-present
Certification, ACLS Instructor	05/1995-05/2008
Certification, Advanced Trauma Life Support	07/1988-04/2002
Certification, Advanced Cardiac Life Support	03/1988-present
Certification, Pediatric Advanced Life Support	2019- present

Hospital Appointments

AMG Staff Anesthesiologist, Williamson Medical Center, Centennial Medical Center, St Thomas Hospital, Nashville, TN	01/2020- present
Director, Ketamine Infusion Clinic and Staff Anesthesiologist; VA Medical Center, Nashville, TN	08/2015-04/2019
Asst Director, then Medical Director, Nashville Surgery Clinic	08/2008-02/2015
Associate Professor, Vanderbilt University Medical Center	08/2008-12/2019

Program Director, (newly established) Regional Anesthesia and Acute Pain Fellowship, Vanderbilt University Medical Center	07/2009-06/2012
Staff Anesthesiologist, Brooke Army Medical Center, San Antonio, TX	11/2006-06/2008
Staff Anesthesiologist, 47th Combat Support Hospital, Mosul, Iraq	07/2006-10/2006
Program Director, Anesthesiology Residency, San Antonio Uniformed Services Health Education Consortium	07/2003-06/2006
Asst Chief/then Chief, Anesthesiology, Brooke Army Medical Center, San Antonio	07/2000-06/2003
Staff Anesthesiologist, Director of Regional Anes/Acute Pain Mgmt, Brooke Army Medical Center, San Antonio	07/1998-06/2000
Asst Chief, Anesthesia Service, Womack Army Medical Center, Ft Bragg, NC	07/1996-06/1998
Staff Anesthesiologist/Director, Acute and Chronic Pain Management, Womack Army Medical Center, Ft Bragg, NC	07/1994-06/1996
Commander, 574th Medical Detachment (Stuttgart, Germany)	07/1989-06/1991
Staff Physician, 732nd Medical Detachment (Stuttgart, Germany)	07/1988-06/1989

Honors

Numerous Director's Stars, VA Medical Center, Exemplary Service	01/2016-04/2019
Excellence Academic Achievement Awards, Vanderbilt Univ, Dept of Anesthesiology, 2nd highest level for academic excellence	10/2009, 10/2011, 10/2012, 10/2013
Military Advanced Regional Anesthesia and Analgesia, awarded for Dedication/exceptional teaching for 10 consecutive years, Comprehensive Advanced Regional Anesthesia and Analgesia Workshop, Bethesda, MD	04/2011
Chair's Academic Achievement Award, Vanderbilt Univ, Dept of Anesthesiology, Highest level award for academic excellence	10/2010
Certificate of Appreciation, Dept of Veterans Affairs, in recognition for outstanding contribution to State of Science: Care of the Combat Amputee	03/2010
Golden Apple Teaching Award, Vanderbilt University Medical Center, (4 faculty chosen out of >100 for teaching excellence)	06/2009
Legion of Merit Medal, U.S. Army	06/2008
Iraq Campaign Medal	10/2006
Program Director of the Year Award, San Antonio Uniformed Services Health Education Consortium (chosen from > 40 training program directors)	06/2006

Promoted to Full Colonel	04/2005
Army Achievement Medals, U.S. Army	07/1989, 08/1990, 05/1991, 09/2000
Army Commendation Medal	05/1998
Humanitarian Service Medal, U.S. Army	04/1997
Expert Field Medical Badge	07/1990
Airborne Badge	07/1981

Professional Activities

Faculty, Ketamine Medical Provider Course, Integrative Psychiatric Institute	01/2021-present
Medical Director, AMG Ketamine and Wellness Center, Franklin, TN	01/2020-present
President, Medical Executive Committee, Nashville Surgery Center	06/2013-06/2015
Member, Governing Board, Nashville Surgery Center	06/2013-06/2015
Panel member, Congressional Directed Medical Research Program, Defense Medical Research and Development Program, Comprehensive review of national, multicenter, proposals competing for multimillion dollar grants in pain management to benefit wounded warriors.	08/2011-10/2011
Member, Quality M&M Practice Improvement, Anesthesiology	07/2010-06/2014
Reviewer, Pain Medicine Journal	07/2010-06/2016
Member, American Soc of Reg Anes Prog Directors, Hosp for Spec Surgery, NY (coordinate and promote regional anes/acute pain fellowship issues on national level)	06/2009-06/2013
Member, Sports Medicine POD.	01/2009-06/2015
Member, Clinical Strategic Planning Cmte, Vanderbilt Anesthesiology; Acute Pain representative	01/2009-10/2009
Member, Graduate Medical Education Committee; Prog Director	07/2003-06/2006
Member, Surgical Services Committee, Anesthesiology representative	07/2001-06/2003
Examiner, Mock Oral Boards, Texas, Tennessee	06/2000-06/2009

Publications/Research Experience

1. Thompson W, **Malchow RJ**. Peripheral nerve blocks and anesthesia of the hand. *Mil Med*; 2002 Jun;167(6):478-482. PMID: 12099083.

2. King, S., **Malchow, R.** Paravertebral Block in Wire-Localized Breast Biopsy: Preoperative and Postoperative Analgesia.. Annual ASA Meeting- Poster Presentation. 2007 Oct;107 (Supplement):San Francisco, CA; A2020-A2020.
3. **Malchow, R;** Aikele, S. Spread of Single and Multiple Injections in the Paravertebral Space. European Jnl Anesthesiology. 2007; 24 (Supp 39) Abstract 8AP 3-1: 90-90.
4. **Malchow, RJ,** Black, IH. The evolution of pain management in the critically ill trauma patient: Emerging concepts from the global war on terrorism. Crit Care Med 2008 Jul; 36(7 Suppl):S346-S357. PMID: 18594262
5. Buckenmaier, C. Bleckner, L. (**Malchow, R** contributing editor.). Military Advanced Regional Anesthesia and Analgesia Handbook. Editors: M. Washington, DC. United States: Borden Institute; 2008; 1-135.
6. **Malchow, R.,** King, K., Chan, B., and Tsao, J. "Pain Management among Soldiers with Amputations". Textbook on Military Medicine: Care of the Combat Amputee.. Editors: M. Washington, Dist. Of Col., United States: Borden Institute; 2009 Dec; 229-263. ISBN: 978-0-16-084077-7.
7. **Malchow RJ.** Ultrasonography for advanced regional anesthesia and acute pain management in a combat environment. U.S. Army Medical Department journal 2009 Dec; 64-66. PMID: 20073368.
8. Greenfield G. Jonas W. **Malchow R.** Managing Pain in the Military Setting: Unique Challenges and Practical Strategies. Monograph. Editors: L. Baltimore, Maryland, United States: US Medicine Supplement. Sponsored by Med-IQ and American Academy of Pain Management. 2009 Dec; 1-16.
9. **Malchow, R.** Update in Pain Management in the Amputee. InMotion Magazine; Publication of the Amputee Coalition of America 2010 Sep; 20(5): 38-40.
10. Bowens C Jr, Briggs ER, **Malchow RJ.** Brachial plexus entrapment of interscalene nerve catheter after uncomplicated ultrasound-guided placement. Case Report. Pain medicine (Malden, Mass.) 2011 Jul; 12(7):1117-20. PMID: 21699651.
11. **Malchow R,** Jaeger L, Lam H. Rectus sheath catheters for continuous analgesia after laparotomy-without postoperative opioid use. Case Report. Pain medicine (Malden, Mass.) 2011 Jul;12(7):1124-9. PMID: 21692972.
12. Rhodes L, Groninger H, **Malchow R.** Key Concepts in Pain Management for the Federal Healthcare Professional. Monograph. Supplement to US Medicine. Editors: R. Baltimore, Maryland, United States: Med-IQ; 2011 Nov 1-12.
13. **Malchow R,** Jaeger L. In Response to Dr Cornish. Pain Medicine 2011 Dec 12:1837-1837.
14. Lai T, Jaeger L, Jones B, Kaderbek E, **Malchow R.** Continuous Peripheral Nerve Block Catheter Infections in Combat Related Injuries: A Case Report of Five Soldiers from Operation Enduring Freedom/Operation Iraqi Freedom. Pain Medicine 2011 Nov 12:1676-1681.
15. Lenart M, Wong K, Gupta R, Mercaldo N, Schildcrout J, Michaels D, **Malchow R.** The Impact of Peripheral Nerve Techniques on Hospital Stay Following Major Orthopedic Surgery. Pain Medicine 2012 Apr;13(4):828-834. PMID: DOI: 10.1111/j.1526 4637.2012.01363.x.
16. Rasmussen SB,Saied NN, Bowens C Jr, Mercaldo ND, Schildcrout JS, **Malchow RJ.** Duration of Upper

and Lower Extremity Peripheral Nerve Blockade Is Prolonged with Dexamethasone When Added to Ropivacaine: A Retrospective Database Analysis. *Pain Medicine* 2013 Aug;14(8):1239-1247. PMID: 23755801.

17. **Malchow R**, Crawford L, Newton M. Member Spotlight: Prescription for Preventing Burnout-Regional Anesthesia and Acute Pain Management in Kenya. *ASRA News* 2013 Nov 5-7.

18. ASRA meeting, 10/2014: Badiola I, Bowens C, Gupta R, Canlas C, Allen B, Jaeger L, Briggs E, Harvey S, Han X, **Malchow R**. Comparison of Peripheral Nerve Catheter Depth for a Popliteal Nerve Block using Ultrasound Guidance. Abstract, Poster.

19. ASRA meeting, 10/2014: Canlas C, Bowens C, Gupta R, Allen B, Jaeger L, Badiola I, Corey J, Rasmussen S, Han X, **Malchow R**. Is Color Flow Doppler and Agitated Local Anesthetic Useful to Verify Popliteal Sciatic Nerve Catheter Tip Placement? Abstract, Poster.

20. **Malchow R**, Gupta R. Reg Anes for Foot and Ankle Surgery. Chap 133. AAOS (Amer Acad of Orthopedic Surg) Comprehensive Orthopaedic Rev. 2nd Ed. Martin Boyer, Ed. ISBN/ISSN: 9780892038459. 2014 June.

21. **Malchow R**. Morbid Obesity in the Free Standing Ambulatory Surgery Center. *Current Reviews in Clinical Anesthesia* Lsn 24; Vol 34; 2014 June 26.

22. **Malchow RJ**, Gupta RK, Shi Y, Shotwell MS, Jaeger LM, and Bowens C. Comprehensive Analysis of 13,897 Consecutive Regional Anesthetics at an Ambulatory Surgery Center. *Pain Med.* 2018;19(2): 368–384.

23. **Malchow R**, Gupta R. Reg Anes for Foot and Ankle Surgery. Chap 133. AAOS (Amer Acad of Orthopedic Surg) Comprehensive Orthopaedic Rev. 3rd Ed. Martin Boyer, Ed. pending press release.10/2019.

24. **Malchow RJ**, Baker J, Yost A. Sustained Opioid Cessation Following Rapid Opioid Detoxification with Ketamine Infusion Therapy in Veterans- A Preliminary Study. *J Anesth Clin Res.* 2019;10(11):919.

Presentations/Teaching Experience

1. Family Practice Conference. 09/1997; Low Back Pain-Evaluation and Treatment.
2. Annual European Medical/Surgical Conference. US Army; Germany. 04/2000; Regional Anesthesia and Acute Pain Lectures x 5.
3. Grand Rounds, Surgery Department. Brooke Army Medical Center; San Antonio, Texas. 01/2002; Regional Anesthesia Update in General Surgery.
4. Obstetrics and Gynecology Department. Brooke Army Medical Center; San Antonio, Texas. 04/2002. Regional Anesthesia Update.
5. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2002. Head and Neck Blocks; Upper and Lower Extremity Blocks.
6. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of

Health Sciences; Washington, Dist. Of Col. 04/2003. Head and Neck Blocks.

7. Annual Regional Anesthesia Workshop. Co-Director. 09/2003. US Army; San Antonio, Texas. Various Regional Anesthesia and Acute Pain Lectures and teaching stations.

8. Texas Society of Anesthesiologists Annual Meeting and Conference. San Antonio, Texas. 09/2004; Central Neuroaxis Blockade in the Ambulatory Patient.

9. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2004. Head and Neck Blocks.

10. Orthopedic Department Lecture. Brooke Army Medical Center, Orthopedics Department; San Antonio, Texas. 10/2004. Regional Anesthesia Update.

11. University of Texas Health Science Center; San Antonio, Texas. 03/2005; Regional Anesthesia in the Cardiothoracic Patient.

12. 03/2005 Texas Society of Anesthesiologists Annual Meeting and Conference. San Antonio, Texas. Interscalene Block.

13. Orthopedic Department Lecture. Brooke Army Medical Center, Orthopedics Department; San Antonio, Texas. 10/2004. Regional Anesthesia Update.

14. Combat Trauma Management Course. US Army; San Antonio, Texas. 10/2005; Moderator and Speaker- Review of Regional Anesthesia for the Brachial Plexus.

15. Annual Regional Anesthesia Workshop. Co-Director. 09/2005. US Army; San Antonio, Texas. Various Regional Anesthesia and Acute Pain Lectures and teaching stations.

16. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2005. Head and Neck Blocks.

17. Pain Management Rounds. 47th Combat Support Hospital; Mosul, Iraq. 07/2006; Acute Pain Management in Deployed Hospitals.

18. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2006. Head and Neck Blocks.

19. Annual Regional Anesthesia Workshop. Co-Director. 09/2006. US Army; San Antonio, Texas. Various Regional Anesthesia and Acute Pain Lectures and teaching stations.

20. Biannual Regional Anesthesia Workshop and Conference. MD Anderson Cancer Center; Houston, Texas. 07/2007; 2 Regional Anesthesia and Acute Pain Lectures and workshop teaching.

21. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2007. Head and Neck Blocks.

22. 03/2007 Texas Society of Anesthesiologists Annual Meeting and Conference. Texas Society of Anesthesiologists; San Antonio, Texas. Interscalene Block.

23. Annual Regional Anesthesia Workshop. Co-Director. 09/2007. US Army; San Antonio, Texas. Various Regional Anesthesia and Acute Pain Lectures and teaching stations.

24. 06/2007 7th Annual South Asian Confederation of Anesthesiologists. Regional Anesthesia Workshop. Kathmandu, Nepal.
25. Annual Army Trauma Symposium. US Army; San Antonio, Texas. 08/2007; Multimodal Pain Management in the Amputee.
26. Army Conference on Care of the Amputee.. US Army; San Antonio, Texas. 09/2007; Pain Management in the Amputee.
27. Annual CRNA Conference. US Army; San Antonio, Texas. 04/2007; 2 Regional Anesthesia and Acute Pain Lectures.
28. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2008. Head and Neck Blocks.
29. Annual Research Seminar. Scott and White Medical Center; Temple, Texas. 04/2008; Essentials of Peripheral Nerve Blockade.
30. Biannual Ultrasound Guided Regional Anesthesia Conference/ Workshop. University of Texas HSC; Houston, Texas. 07/2009; Ultrasound Guided Upper and Lower Extremity Blocks Lectures and workshop teaching.
31. Tennessee Society of Peri-operative Nursing Society. Nashville, Tennessee. 10/2009. Acute Pain Control: What every Peri-operative Nurse Needs to Know.
32. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2009. Head and Neck Blocks.
33. 01/2009-12/2009 Regional Anesthesia and Acute Pain Management Monthly Course. Director. Vanderbilt University Medical Center Anesthesiology Dpt x 10 lectures.
34. Annual ASA Conference. American Society of Anesthesiology; New Orleans, Louisiana. 10/2009 Oct; Limiting the Impact of Trauma through Acute Pain Management.
35. ICU Conference. Vanderbilt University Medical Center; 01/2010; Ketamine and Multimodal Analgesia.
36. Annual Nurse Practitioner Conference. Vanderbilt University Medical Center; 01/2010; Amputation Pain Management.
37. University of West Indies Regional Anesthesia Conference/ Workshop. Co-Director. University of West Indies; Jamaica, 03/2010; 2 Regional Anesthesia and Acute Pain Lectures and workshop teaching.
38. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2010. Head and Neck Blocks.
39. 01/2010-12/2010 Regional Anesthesia and Acute Pain Management Monthly Course. Director. Vanderbilt University Medical Center Anesthesiology Dpt x 10 lectures.
40. State of the Science Seminar, Care of the Amputee Conference, Walter Reed Army Medical Center; Washington, Dist. Of Col.. 04/2010; Pain Management among Soldiers with Amputees.

41. Southeastern U.S. Anesthesia Technician Conference. Vanderbilt University Medical Center; 04/2010; What Every Technician Should Know about Regional Anesthesia.
42. Stallworth Rehabilitation Hospital; Nashville, Tennessee. 07/2010; Continuous Peripheral Nerve Blocks.
43. Kijabe Hospital, Anesthesia Department. World Medical Mission; Kijabe, Kenya. 06/2010; Regional Anesthesia and Acute Pain Lectures x 20.
44. National VA Amputation Conference. Veteran's Affairs; Richmond, Virginia. 08/2010; Optimizing Amputation Pain Management.
45. NYSORA (New York Soc of Regional Anesthesia) Regional Anesthesia Conference/ Workshop. New York, NY. 09/2010; Regional Anesthesia and Acute Pain Lectures x 2 and workshop teaching.
46. Annual Update. Middle Tennessee Society of Perioperative Nursing; 2010 May 15; Opioid Induced Hyperalgesia. 05/2010.
47. 10th Biannual Ultrasound Guided Regional Anesthesia Conference/ Workshop. University of Texas HSC; Houston, Texas. 01/2011; Lower Extremity Anatomy and Blockade Lecture and workshop teaching.
48. Comprehensive Regional Anesthesia Workshop. Uniformed Services University of Health Sciences; Washington, Dist. Of Col. 04/2011. Head and Neck Blocks.
49. 01/2011-12/2012 Regional Anesthesia and Acute Pain Management Monthly Course. Director. Vanderbilt University Medical Center Anesthesiology Dpt x 10 lectures.
50. Orthopedics Department. Vanderbilt University Medical Center; 05/2011; Optimizing Perioperative Pain Management.
51. Baylor Regional Anesthesia and Analgesia. Baylor Medical Center; Dallas, Texas. 10/2011; Regional Anesthesia and Acute Pain Lectures x 2 and workshop teaching.
52. 12th Bi-annual Ultrasound Guided Regional Anesthesia Conference/ Workshop. University of Texas Medical Center; Houston, Texas. 01/2012; Rev of Upper Extremity Anatomy/ Blockade and workshop teaching.
53. 01/2012-12/2012 Regional Anesthesia and Acute Pain Management Monthly Course. Director. Vanderbilt University Medical Center Anesthesiology Dpt x 10 lectures.
54. Memphis, Tennessee. Northwest Anesthesia Seminars. 03/2012. Current Topics in Anesthesia. Regional Anesthesia and Acute Pain Lectures x 6
55. Vanderbilt Anesthesiology Grand Rounds. Vanderbilt University Medical Center; 06/2012; Amputation Pain: Can We Prevent Phantom Limb Pain?
56. Destin, FL, Northwest Seminar Anesthesia Update. 05/2012; Regional Anesthesia and Acute Pain Lectures x 6 and workshop teaching.
57. University of Kentucky; Lexington, Kentucky. Grand Rounds- Dept of Anesthesiology. 09/2012;

Amputation Pain Management: Can We Prevent Amputation Pain?

58. Gatlinburg, Tennessee. Northwest Anesthesia Seminar; 10/2012. Regional Anesthesia and Acute Pain Lectures x 7 and workshop teaching.

59. Jackson Hole, WY. Northwest Anesthesia Seminar; Jackson Hole, Wyoming. 02/2013. Regional Anesthesia and Acute Pain Lectures x 7

60. 01/2013-12/2013 Regional Anesthesia and Acute Pain Management Monthly Course. Director. Vanderbilt University Medical Center Anesthesiology Dpt x 10 lectures.

61. Royal Caribbean Cruise. Northwest Anesthesia Seminar; 03/2013. Regional Anesthesia and Acute Pain Lectures x 9

62. SAMBA (Society for Ambulatory Anesthesia) 28th Annual Meeting. Scottsdale, Arizona. 04/2013; Morbid Obesity in the Ambulatory Surgicenter, Problem Based Learning Discussion.

63. SAMBA 28th Annual Meeting. Scottsdale, Arizona. 04/2013; Preventing Burnout Through Humanitarian Missions.

64. SAMBA 28th Annual Meeting. Scottsdale, Arizona. 04/2013; Real World Cases. Panel Presentations.

65. Hospital for Special Surgery; Grand Rounds Lecture. New York, NY. 04/2013; Can We Prevent Amputation Pain?

66. Jackson Hole, WY. Northwest Anesthesia Seminar; Jackson Hole, Wyoming. 02/2014. Regional Anesthesia and Acute Pain Lectures x 7.

67. 01/2014-12/2014 Regional Anesthesia and Acute Pain Management Monthly Course. Vanderbilt University Medical Center Anesthesiology Dpt x 10 lectures.

68. Nashville, TN. Northwest Anesthesia Seminar; 05/2014. Regional Anesthesia and Acute Pain Lectures x 7 and workshop teaching.

69. Greenville, SC. Northwest Anesthesia Seminar; 05/2014. Regional Anesthesia and Acute Pain Lectures x 7 and workshop teaching

70. Baylor Medical Center, Dallas, TX. 10/2014. Conducted a 1-day, "Update in Regional Anesthesia and Acute Pain Management Seminar".

71. Skopje, Macedonia. 09/2014. Directed a 1 day Ultrasound Guided Regional Anesthesia Workshop.

72. Vail, CO, CRASH Anesthesia Update Conference, 03/2015. Presented 4 Different Lectures in Regional Anesthesia and Acute Pain Management.

73. Northwest Anesthesia Seminars, Nassau, Bahamas; 10/2015. Regional Anesthesia and Acute Pain Lectures x 7.

- 74. Skopje, Macedonia. 09/2015 Directed a 1 day Ultrasound Guided Regional Anesthesia Workshop.
- 75. Northwest Anesthesia Seminars. Regional Anesthesia and Acute Pain Lectures x 7. Jackson Hole, WY 02/2016.
- 76. Texas Anesthesia Conference of Obstetrics and Regional Anesthesia. Houston, TX. 03/2016. 2 Lectures + Faculty at Reg Anes Workshop.
- 77. Texas Anesthesia Conference of Obstetrics and Regional Anesthesia. Houston, TX. 03/2017 Key Note Address: "Beyond the Block" + Lower extremity lecture.
- 78. Ketamine Infusions and Opioid Detoxification Lecture. 1st Annual Society of Ketamine Physicians. Austin, TX. 09/2018.

Humanitarian / International Work:

Ecuador, San Lorenzo, Surgical Mission	08/2019
Ecuador, San Lorenzo, Surgical Mission	07/2019
Guatemala, Health Talents International, Surgical Mission	05/2019
Macedonia, Medical Education International	09/2018
Ecuador, San Lorenzo, Surgical Mission	05/2018
Ecuador, San Lorenzo, Surgical Mission	05/2017
Macedonia, Medical Education International	09/2016
Haiti, Live Beyond, Medical Mission	08/2016
Macedonia, Medical Education International	09/2015
Macedonia, Medical Education International	09/2014
Honduras, Tegucigalpa; Surgical mission	05/2014
Honduras, Tegucigalpa; Surgical mission	05/2013
Honduras, Loma de Luz, surgical mission	01/2012
Kijabe, Kenya, surgical/ICU mission	06/2011
Kijabe, Kenya, surgical/ICU mission	06/2010
Jamaica, Kingston; Univ of West Indies Conference	03/2010
Kathmandu, Nepal; 7th Annual South Asian Confederation of Anesthesiologists. Conference. (Gave lectures, workshop)	02/2007
Mosul, Iraq; Staff Anesthesiologist	06/2006-10/2006
Ascension, Paraguay. surgical mission	07/2004
San Pedro Sula, Honduras; surgical mission	07/2000

Affiliations/Memberships

- American Society of Anesthesiologists 07/1991-present
- American Society of Ketamine Physicians 09/2018-present
- American Society of Regional Anesthesia 08/1991-present
- Tennessee Society of Anesthesiologists 08/2008- present
- Tennessee Medical Association/Williamson County Medical Society 11/2019-present

Patents & Copyrights

- 08/2009, Established "Malchow Leg Holder". Positions and holds lower extremity in comfortable, immobile position for lateral approach to sciatic nerve blockade. Possible patent in future.