CONTACT INFORMATION

Crosstown Back, PC

1350 Concourse Avenue Suite 363 Memphis, TN 38104 Clinical Associate of Pain Medicine (901) 260-6161 (Office) (901) 260-6162 (Fax)

OBJECTIVE

I possess a dedication to the field of medicine and the desire to continue developing my professional character and leadership qualities. As a practicing pain management specialist and anesthesiologist, I administer comprehensive pain management and anesthesia services to my patients in a holistic and preventive manner.

CLINICAL PRACTICE

Crosstown Back, PC

Clinical Associate in Pain Medicine Memphis, Tennessee August 2019 to present

MidSouth Pain Treatment Center, LLC

Clinical Associate in Pain Medicine Southaven, Mississippi Germantown, Tennessee July 2017 to August 2019

The McFarland Clinic, PC Shareholder Mary Greeley Medical Center

Partner in Interventional Pain Medicine Ames, Iowa and Marshalltown, Iowa August 2011 to July 2017

Pain Management Center of Paducah, PC Pain Management Center of Marion, PC

Partner in Interventional Pain Management & Anesthesiology Paducah, Kentucky and Marion, Illinois January 2009 to August 2011

Great Plains Regional Medical Center North Platte, Nebraska

August 2005 to December 2008

- North Platte Surgery Center Medical Director
- Great Plains Center for Pain Management Medical Director of Interventional Pain Management
- North Platte Anesthesia Associates, L.L.C.
 Associate in Anesthesiology and Interventional Pain Management

The Texas A&M University School of Medicine-Scott & White Clinic

Assistant Professor Department of Anesthesiology-Division of Pain Management Temple, Texas August 2004 to July 2005

Texas Pain and Spine Consultants

Clinical Associate Bryan, Texas August 2003 to July 2004

FELLOWSHIP

The University of Texas-MD Anderson Cancer Center

Department of Anesthesiology-Division of Pain Management Interventional Pain Management Houston, Texas August 2002 to July 2003

RESIDENCY

The University of Kansas Medical Center

Department of Anesthesiology Kansas City, Kansas July 1999 to June 2002

INTERNSHIP

The University of Kansas Medical Center

Department of Pediatrics Kansas City, Kansas July 1998 to June 1999

EDUCATION

The University of Health Sciences-College of Osteopathic Medicine

(Kansas City University of Medicine and Biosciences)

Kansas City, Missouri

Doctor of Osteopathic Medicine

August 1994 to May 1998

The University of Missouri

Kansas City, Missouri

Bachelor of Arts in Psychology

Emphasis: Neuropsychology and Pre-Medicine

August 1991 to August 1993

William Jewell College

Liberty, Missouri

August 1989 to May 1991

CERTIFICATIONS AND LICENSURES

- Diplomat American Osteopathic Board of Anesthesiology (Certificate Number 992)
- Diplomat American Osteopathic Board of Anesthesiology Added Qualifications in Pain Management (Certificate Number 992)
- Diplomat American Board of Interventional Pain Physicians (Certificate Number 0122)
- Fellow of Interventional Pain Practice (World Institute of Pain) (Certificate Number 376)
- Competency Certification in Controlled Substance Management (American Board of Interventional Pain Physicians) (Certificate Number 1330)
- Competency Certification in Fluoroscopic Interpretation and Radiation Safety (American Board of Interventional Pain Physicians) (Certificate Number 5057)
- Competency Certification in Coding, Compliance, and Practice Management (American Board of Interventional Pain Physicians) (Certificate Number 2309)
- Competency Certification in Regenerative Medicine in Interventional Pain Management (American Board of Interventional Pain Physicians) (Certificate Number 010)
- Tennessee Board of Osteopathic Medicine (3204)
- Mississippi Board of Medicine (24927)
- Iowa Board of Medicine (4210)
- Commonwealth of Kentucky Board of Medical Licensure (03152-Inactive)
- Illinois Department of Financial and Professional Regulation-Division of Professional Regulation in Medicine (036.122202-Inactive)
- Nebraska Department of Health and Human Services-Physician Licensure Unit (422)
- Commonwealth of Massachusetts-Board of Registration in Medicine (214187-Inactive)
- Missouri Board of Registration for the Healing Arts (2008013257)
- Texas State Board of Medical Examiners (L7247)
- Advanced Cardiac Life Support (ACLS)
- Advanced Pediatric Life Support (PALS)
- Basic Life Support (BLS)

CLINICAL INTERESTS

• Anesthesiology, Interventional Acute, Chronic, and Cancer Pain Management (including fluoroscopic guided neurostimulation, discography, percutaneous discectomy, diagnostic and therapeutic nerve blocks, radiofrequency neuroablation, kyphoplasty, and vertebroplasty).

PUBLICATIONS & PRESENTATIONS

Peer-Reviewed Journals

- Manchikanti L, **Wargo BW**, et al. Responsible, Safe, and Effective Prescription of Opioids for Chronic Non-Caner Pain: American Society of Interventional Pain Physicians (ASIPP) Guidelines. Pain Physician 2017; 20:S3-S92.
- Kaye AD, **Wargo BW**, et al. Efficacy of Epidural Injections in Managing Chronic Spinal Pain: A Best Evidence Synthesis. *Pain Physician* 2015; 18:E939-E1004.
- Manchikanti L, Wargo BW, et al. A Systematic Review and Best Evidence Synthesis of Effectiveness of Therapeutic Facet Joint Interventions in Managing Chronic Spinal Pain. Pain Physician 2015; E535-E582.
- Manchikanti L, Cash K, Pampati V, Wargo BW, Malla Y. A Randomized, Double-Blind, Active Control Trial of Fluoroscopic Cervical Interlaminar Epidural Injections in Chronic Pain of Cervical Disc herniation: Results of a 2-Year Follow-Up. *Pain Physician* 2013; 16:465-478.

- Manchikanti L, **Wargo BW**, et al. Assessment of Bleeding Risk of Interventional Techniques: A Best Evidence Synthesis of Practice Patterns and Perioperative Management of Anticoagulants and Antithrombotic Therapy. (Systematic Review) *Pain Physician* 2013; 16:SE261-SE318.
- Manchikanti L, Wargo BW, et al. An Update of Comprehensive Evidence-Based Guidelines for Interventional Techniques in Chronic Spinal Pain. Part II: Guidance and Recommendations. *Pain Physician* 2013; 16:S49-S283.
- Falco FJE, Manchikanti L, Datta S, Wargo BW, Geffert S, Bryce DA, Atluri S, Singh V, Benyamin RM, Sehgal N, Ward SP, Helm S, Gupta S, Boswell MV. Systematic Review of the Therapeutic Effectiveness of Cervical Facet Joint Interventions: An Update. *Pain Physician* 2012; 15:E839-E868.
- Manchikanti L, Falco FJE, Benyamin RM, Caraway DL, Helm S, Wargo BW, Hansen H, Parr AT, Singh V, Hirsch JA. Assessment of Infection Control Practices for Interventional Techniques: A Best Evidence Synthesis of Safe Injection Practices and Use of Single-Dose Medication Vials. *Pain Physician* 2012; 15:E573-E614.
- Manchikanti L, Malla Y, Wargo BW, Cash KA, Pampati V, Fellows B. Complications of Fluoroscopically Directed Facet Joint Nerve Blocks: A Prospective Evaluation of 7,500 Episodes with 43,000 Nerve Blocks. Pain Physician 2012; 15:E143-E150.
- Manchikanti L, **Wargo BW**, et al. American Society of Interventional Pain Physicians (ASIPP) Guidelines for Responsible Opioid Prescribing in Chronic Non-Cancer Pain: Part Two-Guidance. *Pain Physician* 2012; 15:S67-S116.
- Manchikanti L, Wargo BW, et al. American Society of Interventional Pain Physicians (ASIPP) Guidelines for Responsible Opioid Prescribing in Chronic Non-Cancer Pain: Part One-Evidence Assessment. Pain Physician 2012; 15:S1-S66.
- Manchikanti L, Malla Y, Wargo BW, Cash KA, Pampati V, Fellows B. A Prospective Evaluation of Complications of 10,000 Fluoroscopically Directed Epidural Injections. *Pain Physician* 2012; 15:131-140.
- Manchikanti L, Malla Y, **Wargo BW**, Fellows B. Preoperative Fasting Before Interventional Techniques: Is It Necessary or Evidence-Based? *Pain Physician* 2011; 14:459-467.
- Manchikanti L, Malla Y, **Wargo BW**, Fellows B. Infection Control Practices (Safe Injection and Medication Vial Utilization) for Interventional Techniques: Are They Based on Relative Risk Management or Evidence? *Pain Physician* 2011; 14:425-434.
- Manchikanti L, Malla Y, Wargo BW, Cash KA, McManus CD, Damron KS, Jackson SD, Pampati V, Fellows B. A Prospective Evaluation of Bleeding Risk of Interventional Techniques in Chronic Pain. *Pain Physician* 2011; 14:317-329.
- Manchikanti L, Malla Y, Wargo BW, Fellows B. Comparative Evaluation of the Accuracy of Benzodiazepine Testing in Chronic Pain Patients Utilizing Immunoassay with Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) of Urine Drug Testing. *Pain Physician* 2011; 14:259-270.
- Manchikanti L, Malla Y, Wargo BW, Fellows B. Comparative Evaluation of the Accuracy of Immunoassay with Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) of Urine Drug Testing (UDT) Opioids and Illicit Drugs in Chronic Pain Patients. Pain Physician 2011: 14:175-187.
- Manchikanti L, Cash KA, Pampati V, Wargo BW, Malla Y. The Effectiveness of Fluoroscopic Cervical Interlaminar Epidural Injections in Managing Chronic Cervical Disc Herniation and Radiculitis: Preliminary Results of a Randomized, Double-Blind, Controlled Trial. Pain Physician 2010; 13:223-236.

- Manchikanti L, Cash KA, Pampati V, Wargo BW, Malla Y. Cervical Epidural Injections in Chronic Discogenic Neck Pain Without Disc Herniation or Radiculitis: Preliminary Results of a Randomized, Double-Blind Controlled Trial. Pain Physician 2010; 12:E265-E278.
- Manchikanti L, Malla Y, Wargo BW, Cash KA, Pampati V, Damron KS, McManus CD, Brandon DE. Protocol for Accuracy of Point of Care (POC) or In-Office Urine Drug Testing (Immunoassay) in Chronic Pain Patients: A Prospective Analysis of Immunoassay and Liquid Chromatography Tandem Mass Spectometry (LC/MS/MS). Pain Physician 2010; 13:E1-E22.
- Falco FJE, Erhart S, **Wargo BW**, Bryce DA, Atluri S, Datta S, Hayek SM. Systematic Review of Diagnostic Utility and Therapeutic Effectiveness of Cervical Facet Joint Interventions. *Pain Physician* 2009; 12:323-344.
- Manchikanti L, Dunbar EE, Wargo BW, Shah RV, Derby R, Cohen SP. Systematic Review of Cervical Discography as a Diagnostic Test for Chronic Spinal Pain. Pain Physician 2009; 12:305-321.

Book Chapter

- Wargo BW, Manchikanti L. Headaches and Facial Pain. In: ICD-10-CM for Interventional Pain Management: A Practical Guide. ASIPP Press, 2016, 105-112.
- Manchikanti L, Wargo BW. Drug Abuse and Dependency. In: ICD-10-CM for Interventional Pain Management: A Practical Guide. ASIPP Press, 2016, 133-138.
- Hammer MJ, Wargo BW, Manchikanti L. Vertebral Augmentation. In: ICD-10-CM for Interventional Pain Management: A Practical Guide. ASIPP Press, 2016, 181-184.
- Wargo BW, Manchikanti L. Implantables. In: ICD-10-CM for Interventional Pain Management: A Practical Guide. ASIPP Press, 2016, 185-189.
- Manchikanti L, Datta S, Schultz DM, **Wargo BW**. Sympathetic Blocks. In: *Pain Medicine & Interventional Pain Management: A Comprehensive Review*. ASIPP Press, 2011, 527-557.
- Burton AW, **Wargo BW**. Celiac Plexus and Splanchnic Nerve Blockade. In: *Interventional Techniques in Chronic Non-Spinal Pain*. ASIPP Press, 2008, 199-212.
- Wargo BW, Burton AW. Chronic Pain Management: Cancer Pain. In: Wallace M, Staats PS, Eds. In: *Pain Medicine & Management: Just the Facts.* McGraw-Hill, 2005, 183-189.

Editorials

- Manchikanti L, Malla Y, Wargo BW, Fellows B. In Response: 3 Things to Consider Before Relying Solely on Point of Care Testing for Determining Benzodiazepine Use in Chronic Pain. *Pain Physician* 2012; 15:E155-E156.
- Wargo BW, Burton AW. Role of Urine Toxicology Testing in the Management of Chronic Opioid Therapy.
 MD Consult Pain Medicine on-line article. At http://www.mdconsult.com, Accessed October 25, 2002
- Wargo BW, Burton AW. Complex Regional Pain Syndrome Type I: Use of the International Association for the Study of Pain Diagnostic Criteria defined in 1994. MD Consult Pain Medicine on-line article. At http://www.mdconsult.com, Accessed October 8, 2002.

Presentations

- Grand Round Presentation at the University of Kansas Medical Center-Department of Anesthesiology: The Neurophysiology and Neuropsychology of Neuropathic Pain. May 24, 2001.
- Grand Round Presentation at the University of Texas-MD Anderson Cancer Center-Department of Anesthesiology: Diagnosis and Treatment of Discogenic Pain. May 2003.
- Conference Lecture-Cancer Symposium 2005: Cancer Pain Management, September 24, 2005.

- Grand Rounds Presentation Great Plains Regional Medical Center: The Pain Management Clinic, February 22, 2007.
- Grand Rounds Presentation Great Plains Regional Medical Center: Opioid Pharmacology and Drug Interactions, May 24, 2007.
- Annual Conference of the American College of Osteopathic Anesthesiologists: Osteoporosis: Vertebroplasty and Kyphoplasty, September 23, 2008, Albuquerque, New Mexico.
- Winter Conference of the American College of Osteopathic Anesthesiologists: Opioid Pharmacology and Drug Interactions, January 18, 2009.
- Winter Conference of the American College of Osteopathic Anesthesiologists: Review of Autonomic Nervous System, January 17, 2010.
- Presentation to the Florida Board of Osteopathic Medicine Regarding Approval of American Board of Interventional Pain Physicians (ABIPP) Subspecialty Certification. Bradenton, Florida, February 26, 2010.
- Midwinter Conference: Chairman for the American Osteopathic College of Anesthesiologists. Chicago, Illinois, March 19-21, 2010.
- Comprehensive Review Course and Hands-on Cadaver Course—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Memphis, TN, April 23-25, 2010.
- Spinal Cord Stimulation Review and Cadaver Workshop—ASIPP. Cadaver Course Instructor. Memphis, TN, September 17-19, 2010.
- Grand Rounds Presentation at Mary Greeley Medical Center: The Effectiveness of Opioids in the Management of Chronic Benign Pain, January 16, 2013.
- Mary Greeley Medical Center & The McFarland Clinic, PC Risk Management Conference: Pain Medication Management in the Physician's Office, May 2, 2013.
- 2nd Annual Health and Wellness Expo, Iowa State University: Resources in the Pain Medicine Clinic, July 20, 2013.
- Comprehensive Review Course and Hands-on Cadaver Course—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Las Vegas, NV November 16-17, 2013.
- Mary Greeley Medical Center & McFarland Clinic, PC—Workers' Compensation Symposium: Critical Review of the Effectiveness of Opioids in Chronic Pain Management-A Workers' Compensation Perspective, December 6, 2013.
- Comprehensive Review Course and Hands-on Cadaver Course—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Phoenix, AZ February 8-9, 2014.
- Comprehensive Review Course and Hands-on Cadaver Course—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Orlando, FL October 18-19, 2014.
- McFarland Clinic, PC 2nd Annual Workers Compensation Symposium: Indications for Interventional Pain Management: A Review of ASIPP Guidelines, November 14, 2014.
- The 65th Annual American Osteopathic College of Anesthesiologists Conference: *Anesthesiology OCC Update*. October 18th, 2015.
- The 43rd Annual American Osteopathic College of Anesthesiologists Midyear Seminar: *Anesthesiology OCC Update and Comparative Anesthesiology Certifications*. March 03, 2016.
- Interventional Techniques: Comprehensive Review Course and Cadaver Workshop—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Memphis, TN June 11-12, 2016.
- Interventional Techniques: Comprehensive Review Course and Cadaver Workshop—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Memphis, TN October 5-7, 2018.
- Regenerative Medicine Review Course and Cadaver Workshop—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Memphis, TN October 5-7, 2018.
- Interventional Techniques: Comprehensive Review Course and Cadaver Workshop—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Memphis, TN July 12-14, 2019.
- Regenerative Medicine Review Course and Cadaver Workshop—ASIPP. Beginner, Intermediate, and Advanced Cadaver Course Instructor. Memphis, TN July 12-14, 2019.

ACADEMIC EXPERIENCE

Accreditation Council for Graduate Medical Education (ACGME)

Milestones 2.0 Taskforce for Anesthesiology Suite 2000 401 North Michigan Avenue Chicago, IL 60611 December 2018 to Present

The Texas A&M University School of Medicine/Scott & White Clinic and Medical Center

Temple, Texas Assistant Professor of Anesthesiology and Pain Medicine 2004 to 2005

The University of Health Sciences-COM

Kansas City, Missouri
Osteopathic Manipulative Medicine Teaching Assistant
1995 to 1996

The Veteran's Administration Medical Center

Kansas City, Missouri

Neuropsychology Clinical and Research Internship

- Studied, administered and scored neuropsychology assessment instruments including the Dementia Rating Scale, Shipley Institute of Living Scale, screening test for the Luria-Nebraska Neuropsychological Battery, Recognition Memory Test, Wisconsin Card Sorting Test, Stroop Color and Word Test, Hooper Visual Organization Test, Serial Digit Learning Test, Judgment of Line Orientation Test, Short Category Test, Revised Visual Retention Test, Trails A & B Test, Facial Recognition Test, Visual Form Discrimination Test, Cognitive Behavior Rating Test, Visual Search and Attention Test.
- Research Study: The frequency of alcoholic beverage consumption and type of beverage consumed (beer or hard liquor) by patients in the Substance Abuse Treatment Unit.

ACADEMIC HONORS

- Pediatric Residency Committee Member
- Certificate of Mention: Teaching Assistant, the University of Health Sciences-COM
- Dean's List, the University of Missouri
- Psi Chi, Psychology National Honor Society

ACTIVITIES AND ORGANIZATIONS

Professional - Society Memberships

- The Iowa Society of Interventional Pain Physicians (2011-2017)
- The American Society of Interventional Pain Physicians
- The Society of Interventional Pain Management Surgery Centers
- The Illinois Society of Interventional Pain Physicians (2009-2011)
- The American and International Neuromodulation Society
- Fellow (FASA), The American Society of Anesthesiology
- Iowa Society of Anesthesiology (2011 to 2017)
- Tennessee Society of Anesthesiology (2017 to Present)
- Tennessee Society of Interventional Pain Physicians (2017 to Present)
- Mississippi Society of Interventional Pain Physicians (2017 to Present)
- Fellow (FAOCA), The American Osteopathic College of Anesthesiologists
- The American Medical Association
- Iowa Medical Society (2011 to 2017)
- The American Osteopathic Association

- The American Academy of Pain Medicine (2003 to 2017)
- The World Institute of Pain

Professional – Board/Committee Representation

- Centers for Medicare & Medicaid Services (CMS) WPS Government Health Administrators—Midwest Carrier Advisory Committee (CAC) Member:
 - Interventional Pain Management Committee Representative (September 2016 to June 2018)
- Vice-Chair-Board Member (2014 to 2015): The American Osteopathic Board of Anesthesiologists (1st Term July 2012 to July 2015) (Ongoing Board Member to Present)
- Chair-Board Member (2015 to 2017): The American Osteopathic Board of Anesthesiologists
- Co-Chairman-Board Member: The American Osteopathic Board of Anesthesiologists, Subspecialty Pain Medicine Subcommittee. (October 2013 to Present)
- Alternate Representative (Anesthesiology) to the Bureau of Osteopathic Specialists (2015 to 2017)
- Representative (Anesthesiology) to the Bureau of Osteopathic Specialists (2018 to Present)
- Physician Executive (Anesthesiology Board): American Osteopathic Association Division of Certifying Board Services (2018 to Present)
- Board Member: The American Board of Interventional Pain Physicians (January 2014 to Present)
- The Iowa Society of Interventional Pain Physicians (President: 1st Term-Aug 2012 to Aug 2014; 2nd Term Aug 2014 to 2017)
- President-Elect (2015-2016) Iowa Society of Anesthesiology
- President (2017) Iowa Society of Anesthesiology
- Secretary (2017) American Society of Interventional Pain Physicians
- Vice-President (2018-2019) Mississippi Society of Interventional Pain Physicians
- Practical Cadaver and Oral Board Examiner: The American Board of Interventional Pain Physicians
- Clinical Board Examiner: The American Osteopathic Board of Anesthesiology
- Oral Board Examiner: The American Osteopathic Board of Anesthesiology
- Cadaver Laboratory Instructor-Beginner, Intermediate, and Advanced Levels (ASIPP)
- · Anesthesiology Exam Question Author: The American Osteopathic Board of Anesthesiology
- Added Qualifications in Pain Management Exam Question Author: The American Osteopathic Board of Anesthesiology
- Health Care Policy Committee Member: The McFarland Clinic (2014 to 2017)
- Illinois Society of Interventional Pain Physicians (Director at Large, 2009 to 2011)
- Society of Interventional Pain Management Surgery Centers (Director at Large, 2009 to 2011)
- Musculoskeletal Guidelines Committee Member: The McFarland Clinic (2015 to 2016)
- North Platte Nebraska Physicians Group, L.L.C.: Physicians Compensation Committee
- Great Plains Regional Medical Center: Credentialing Committee
- Great Plains Regional Medical Center: Ethics Committee
- Great Plains Regional Medical Center: Cancer Committee
- North Platte Surgery Center Anesthesia, L.L.C.: Board of Directors
- North Platte Surgery Center, L.L.C.: Board of Directors
- North Platte Surgery Center, L.L.C.: Clinical Operations Committee Chairman
- Ambulatory Surgery Center and Pain Care Surgery Medical Staff Committee (Paducah, KY and Marion, IL)
- Quality Management Improvement Committee for Ambulatory Surgery Center and Pain Care Surgery
- Institutional Research Board for the Ambulatory Surgery Center (Paducah, KY)

EDITORIAL POSITION

Pain Physician Journal

• Section Editor: Interventional Techniques

Interventional Pain Management Reports Journal

COMMUNITY SERVICE

- Honorable Order of Kentucky Colonels (Five Star Council)
- Heartland Worship Center: Elementary Sunday School Teacher