William James Brooks, DO

Born - September 7, 1952

Wife - Barbara Lynn Campbell Brooks - Married November 27, 1986
Son - James Campbell Brooks - Born September 5, 1988

Curriculum Vitae

Education

1966-70	Elmhurst High School; Ft. Wayne, Indiana
1970	National Honor Society
1970-73	Earlham College; Richmond, Indiana (Philosophy and Pre-medical)
2013	Bachelor of Arts in Philosophy
1973-75	Life Research Centre for Studies; Brantford, Ontario, Canada
1975	Indiana University; Bloomington, Indiana (Pre-medical)
1975-80	Chicago College of Osteopathic Medicine; Chicago, Illinois
1976	National Institutes of Mental Health Psychiatry Fellowship
1977-80	Chicago College of Osteopathic Medicine Psychiatry Fellowship
1980	Doctor of Osteopathy
1980-81	Rotating Internship: Tucson General Hospital; Tucson, Arizona
1981	Diplomate of the National Board of Examiners for Osteopathic Physicians and Surgeons
1991	Board Certified, American Osteopathic Board of Neuromusculoskeletal Medicine (then known as American Osteopathic Board of Special Proficiency in Osteopathic Manipulative Medicine)
2012	Diplomate of the American Board of Holistic and Integrative Medicine

Professional Experience and Appointments

1972	Orderly - Psychiatric Ward, St. Joseph's Hospital; Ft. Wayne, Indiana
1981-85	Private practice of Comprehensive Osteopathic Manipulative Medicine - protégé of Robert Fulford, DO; Tucson, Arizona
1981-85	Tucson General Hospital; Tucson, Arizona - Active Staff
1981-83	Attending Physician, West Center (Alcohol & Drug Rehabilitation)
1981-83	Surgical Assistant
1985-85	Clinical Instructor, Osteopathic Principles and Practice

1985-88 Private practice of Comprehensive Osteopathic Manipulation; St. Paul, Minnesota

1985-88 Clinical Assistant Professor of Family Medicine (Preceptor), College of Osteopathic Medicine of the Pacific; Pomona, California

1986-88 Courtesy Staff - Midway Hospital; St. Paul, Minnesota

1986-88 Consultant - Biomechanics Clinic, Department of Orthopedic Surgery, Park Nicollet Medical Center; Minneapolis, Minnesota

1988 Provisional Staff - Methodist Hospital; Minneapolis, Minnesota

1988-92 Cofounder with Mark Bookhout, PT, MS of Biomechanix - a physical medicine education partnership

1989 Consultant for Biomechanics and Manual Medicine - Department of Surgery, Section of Orthopedic Surgery, The University of Arizona College of Medicine; Tucson, Arizona

1989-92 Clinical Instructor of Surgery - Department of Surgery, Section of Orthopedic Surgery (Full time academic faculty), The University of Arizona College of Medicine; Tucson, Arizona

1989-98 Associate Staff - University Medical Center (Privileges: manipulation of the musculoskeletal system, including manipulation under anesthesia); Tucson, Arizona

1991-96 Assistant Clinical Scientist - Arthritis Center, The University of Arizona College of Medicine; Tucson, Arizona

1992-93 Medical Director - University Physicians Orthopedic and Sports Medicine Center; Tucson, Arizona

1992-94 Clinical Assistant Professor of Surgery - Department of Surgery, Section of Orthopedic Surgery (Full-time academic faculty), The University of Arizona College of Medicine; Tucson, Arizona

1993-96 Chief Consulting Physician for Rehabilitation - Department of Intercollegiate Athletics, The University of Arizona; Tucson, Arizona

1994-96 Assistant Professor of Clinical Surgery (College wide title change) - Department of Surgery Section of Orthopedic Surgery (Full-time academic faculty), The University of Arizona College of Medicine; Tucson, Arizona

1995-96 Unpaid Leave of Absence from The University of Arizona College of Medicine

1995-96 Private Practice of Osteopathic Manipulative Medicine; Tucson, Arizona

1996-99 Associate Professor - Department of Osteopathic Principles and Practice, University of Health Sciences College of Osteopathic Medicine; Kansas City, Missouri

1997-99 Associate Staff - Park Lane Medical Center (Privileges: manipulation of the musculoskeletal system, including manipulation under anesthesia); Kansas City, Missouri

1999-2017 Private practice of Comprehensive Osteopathic Manipulative Medicine; Kansas City, Missouri

2000-19 Co-founder with Michael M. Patterson, PhD, DO (HON) and President: Restorative Care Foundation

2004-8 Clinical Associate Professor - Department of Osteopathic Principles and Practice, Nova Southeastern University College of Osteopathic Medicine; Fort Lauderdale, Florida

2007-8 Cofounder with Esteban Azevedo, DPT: Restorative Care Study Group; Kansas City, Missouri

2008-24 Cofounder with Michael M. Patterson, PhD, DO (HON): Restorative Care Partners - a physical medicine education partnership (M. Shane Patterson, DO subsequent partner)

2010-15 Clinical Associate Professor of Osteopathic Manipulative Medicine - Department of Family Medicine, Kansas City University of Medicine and Biology; Kansas City, Missouri

2016-22 Adjunct Research Scientist, Andrew Taylor Still Research Institute, Andrew Taylor Still University; Kirksville, Missouri

2017-24 Designated Campus Colleague, Department of Orthopedic Surgery University of Arizona College of Medicine, Tucson, Arizona

2019-26 Executive Committee, DO-Touch.net

2020- Private practice of Comprehensive Osteopathic Manipulative Medicine; Tucson, Arizona

2023- Clinical Associate Professor, Department of Clinical Medicine (Preceptor), Burrell College of Osteopathic Medicine, Las Cruces, New Mexico

2023- Volunteer Clinical Professor, Department of Neurology, University of California Davis School of Medicine; Sacramento, California

Honors and Awards

1980 Chicago College of Osteopathic Medicine; Chicago, Illinois
Sigma Sigma Phi
Who's Who Among Students in American Universities and Colleges
Outstanding Achievement in Psychiatry

1991 An Active Teacher - the American Academy of Family Physicians

1995 Who's Who in the West

1998 Who's Who in the Midwest

2007 American Osteopathic Association Mentor Hall of Fame

2009 American Osteopathic Association Mentor Hall of Fame

2010 Top Peer Reviewer Journal of the American Osteopathic Medical Association

Service

1981- Clinical practice devoted to restorative care of patients with tertiary, chronic, complex musculoskeletal pain and persistent post-concussion syndromes as well as children with developmental delays

1981- Elected preceptor of Osteopathic Manipulative Medicine for numerous pre and postgraduate DOs, and MDs.

1982-85 Co-chairman/chairman Osteopathic Concepts Committee, Tucson General Hospital; Tucson, Arizona

1983 Coordinator of Speaker's Bureau and member of Steering Committee, Physicians for Social Responsibility; Tucson, Arizona

1990-92 Arizona Osteopathic Medical Association, Comprehensive Health Planning Committee

1998-15 Peer Reviewer for the Journal of the American Osteopathic Association

2001-15 Editorial Review Board for Medical Science Monitor

2003 Editorial consultant for Pediatric Rehabilitation

2007-8 Co-leader with Esteban Azevedo, PT, Restorative Care Study Group - participants included DOs, MDs, PTs, ODs, and students (1.5 hours monthly); Kansas City, Missouri

2009-15 Board of Trustees, Kansas City Regional Osteopathic Medical Association

2011-15 Vice President, Kansas City Regional Osteopathic Medical Association

2017- Peer Reviewer for Journal of Manual and Manipulative Therapy

2024 Judge and Mentor AAO LBORC RPM Grand Rounds Research Forum

The University of Arizona College of Medicine
Tucson, Arizona

1990 Ad hoc Committee for Development of a Multi-Disciplinary Pain Management Center, Arizona Health Sciences Center

1991-95 Physical Therapy Advisory Committee, University Medical Center

1992-93 University Physicians Ambulatory Care Committee

1992-94 Department of Surgery Clinic Committee

1993 Department of Surgery Committee for Peer Review

2017-23 The Study Group (Orthopedic Outcomes Research): participant

2017-23 Orthopedic Surgery Grand Rounds and Spine Conference: participant

2017-23 Rheumatology Grand Rounds and Radiology Conference: participant

Kansas City University of Medicine and Biology
College of Osteopathic Medicine
Kansas City, Missouri

1996-99 Faculty liaison for health, liability, & malpractice insurance

1996-99 Prospective student interviewer and student advisor

1997-99 Committees: educational resources, curriculum, health / safety

1997-99 Undergraduate American Academy of Osteopathy advisor

1997-99 Sponsor for six guest speaker presentations

1999-00 Osteopathic Diagnosis and Treatment lab instructor

2014-15 Osteopathic Manipulative Medicine lab instructor

Earlham College
Richmond, Indiana

2010 Premedical Club
"Medical Science, Osteopathy, and Osteopathic Manipulative Medicine" (1 hour)

2012 Alumni Panel: "Perspectives on Life After Earlham for Science Majors" *(1 hour)*

Scholarly Activities

Tucson General Hospital
Tucson, Arizona

1983-84 Lecture series for Interns and Residents
"Osteopathic Concepts" (10 hours)

1985 Lecture series for Interns and Residents
"Osteopathic Concepts" (10 hours)

The University of Arizona College of Medicine
Tucson, Arizona

1984 Lecture for the Omni Alternative Premedical Group
"Introduction to Osteopathic Medicine" (2 hours)

1985 Lecture for sophomore class
"Introduction to Osteopathic Medicine"

1985 Seminar for sophomore class
"Osteopathy" (18 hours)

1989 Lectures for the Section of Rheumatology
"The Musculoskeletal Examination"

1989 Report for the Section of Rheumatology on the First International Symposium on Myofascial Pain and Fibromyalgia *(1 hour)*

1989 Lecture for the Department of Emergency Medicine
"Introduction to Biomechanics and Manual Medicine" (1 hour)

1989 Lecture for the Department of Family and Community Medicine
"Introduction to Biomechanics and Manual Medicine" (1 hour)

1989 Lecture / demonstration for University Medical Center Physical Therapy
"Introduction to Biomechanics and Manual Medicine" (1 hour)

1989 Lecture / demonstrations for the Section of Orthopedic Surgery
"Introduction to Biomechanics and Manual Medicine" (4 hours)

1989 In-service for the Staff of University Physician's Obstetrics & Gynecology Clinic
"Introduction to Biomechanics and Manual Medicine" (1 hour)

1989 In-service for the Staff of University Physician's Orthopedic Sports Medicine Center
"Introduction to Biomechanics and Manual Medicine" (1 hour)

1990 Lecture for the Ad hoc Committee for Development of a Multidisciplinary Pain Management Center, Arizona Health Sciences Center
"Rehabilitation of the Musculoskeletal System" (1 hour)

1990 Required preceptor for Family Medicine Residents as contributor to a rotation in Ambulatory Orthopedics

1990-91 Seminar for Orthopedic Surgery Residents, University Medical Center Physical Therapists, and College of Medicine Faculty
"Introduction to Biomechanics and Manual Medicine - Diagnostics" (24 hours)

1990-91 Various case presentations at Rheumatology Radiology weekly conferences

1990-93 Establishment and leadership of monthly Musculoskeletal System Rehabilitation Journal Club, Arizona Health Sciences Center

1990-95 Various case presentations at Orthopedic Surgery weekly conferences

1991 Lecture for the Section of Geriatrics
"Introduction to Biomechanics and Manual Medicine" (1 hour)

1991-92 Seminar for Orthopedic Surgery Residents, University Medical Center Physical Therapists, and College of Medicine Faculty
"Introduction to Biomechanics and Manual Medicine - Therapeutics" (24 hours)

1992 Lecture for the Section of General (Internal) Medicine
"Introduction to Biomechanics and Manual Medicine" (1 hour)

1992 Lecture for the Arthritis Update
"Nonsurgical Treatment of Low Back Pain" (1 hour)

1993 Lecture for the Geriatric Rheumatology and Rehabilitation Conference
"Manipulative Therapy and Low Back Pain" (1 hour)

1993 Lecture / demonstration for University Medical Center Physical Therapy
"Neuromuscular Regulation and Neuromuscular Reeducation" (1 hour)

1993 In Service for the Staff of University Physician's Orthopedic Sports Medicine Center
"Introduction to Biomechanics and Manual Medicine" (1 hour)

1993 Seminar for Freshman and Sophomore Medical Student Enrichment Elective
"Introduction to the Biomechanical Evaluation and Manual Medicine" (27 hours)

1993 Leadership of the Rehabilitation Section of the University of Arizona Arthritis Center

1993 Lecture / demonstration for the Department of Neurology, Grand Rounds
Co-presenter with Constantine Moschonas, MD
"Cervical Manipulation and Cerebral Vascular Accident" (1 hour)

1993 Lecture/demonstration with Jon Nisbet, MD The University of Arizona Arthritis Center at Canyon Ranch
"A Healthy Lifestyle and Arthritis - Exercise" (1 hour)

1993 Discussant for presentation by Steve Rayle, MD The University of Arizona Arthritis Center at Canyon Ranch
"Complementary Medical Approaches to Arthritis Care" (1 hour)

1994 Lecture for The University of Arizona Multidisciplinary Research Workshop on Biomechanics, Robotics, and Prosthetics"
"The Biomechanical Evaluation: a) Sacroiliac Joint and b) Pulmonary Function" (1 hour)

1994 Lecture / case presentation / demonstration for the University of Arizona Athletic Trainers
"The Biomechanical Evaluation" (1 hour)

1994 Lecture for The University of Arizona Arthritis Center at Canyon Ranch
"Alternative Medicine" (1 hour)

1994 Seminar for the Section of Orthopedic Surgery
"Introduction to Biomechanics and Manual Medicine" (20 hours)

1994 Seminar for freshman and sophomore Medical Student Enrichment Elective
"Introduction to the Biomechanical Evaluation and Manual Medicine" (4 hours)

1994 Lecture / demonstration for the Collaborative Pain Management Group
"Biomechanics and Manual Medicine - Preemptive Pain Management" (1 hour)

1995 Lecture for the Premed Club
"Introduction to Osteopathic Medicine" (2 hours)

1996 In Service for the University of Arizona Wildcat Athletic Trainers, Coaches, and Physicians
"The Biomechanical Evaluation and Performance Enhancement" (2 hours)

1996 In Service for the University of Arizona Wildcat Athletic Trainers and Physicians
Co-presenter with Jerry Hesch, PT
"Spring Testing of Sacroiliac Joint and Pelvic Motion" (4 hours)

2010 Grand Rounds for the Section of Rheumatology
"Functional Pathology of the Musculoskeletal System" (1 hour)

2013 Grand Rounds for the Section of Rheumatology
"Functional Pathology of the Musculoskeletal System" (1 hour)

2014 Lecture / demonstration for Interdisciplinary Consortium on Advanced Motion Performance (iCAMP)
"Functional Pathology of the Musculoskeletal System" (2 hours)

2014 Lecture / demonstration for Orthopedic Surgery Residents
"Functional Pathology of the Musculoskeletal System" (1.5 hours)

2016 Grand Rounds for the Section of Rheumatology
"Functional Pathology of the Musculoskeletal System" (1 hour)

https://www.youtube.com/watch?v=ZYQi9zUHaqg&feature=youtu.be

2017 Lecture for The Study Group (Orthopedic Outcomes)
"Research program for Functional Pathology of the Musculoskeletal System paradigm applied to chronic, multiregional, posttraumatic musculoskeletal pain syndromes" (1 hour)

2018 Grand Rounds for the Section of Rheumatology
"Restorative Care of Chronic Nonspecific Multiregional Pain Syndromes Including Headache and Facial Pain" (1 hour)

2018 Lectures for The Study Group (Orthopedic Outcomes)
"The Research Process: A Completed and a Nascent Human Biomechanics Research Study" (2 hours)

2025 Lecture / case presentation for Campus Health Services
"*Introduction to the Functional Pathology of the Musculoskeletal System paradigm: a 22 y/o dance student with chronic neck and thigh pain" (1 hour)*

Kansas City University
of Medicine and Biology
College of Osteopathic Medicine
Kansas City, Missouri

1996 Lecture for the Faculty
"Diagnosis of Sacral Dysfunction" (1 hour)
Lecture for the Undergraduate Academy of Osteopathy
"An Expanded Concept of the Musculoskeletal System - Somatic Dysfunction and the Biomechanical Evaluation" (1 hour)

1996-99 Developed and taught lectures (1 hour) and labs (2 hour) primarily for "Osteopathic Principles and Practice" and for "Osteopathic Diagnosis and Treatment" courses, but also for University personnel, Undergraduate American Academy of Osteopathy members, and Park Lane Medical Center externs and Family Medicine Residents. Workload was approximately 35 lectures and labs for 1996-97, 45 for 1997-98, and 45 for 1998-99. Major topics included:

Lectures

- *Philosophy of Osteopathic Medicine*
- *Systems Theory and Structure / Function Concepts*
- *Musculoskeletal System - an Organ System*
- *Clinical Science and the Art of Medicine*
- *Principles of General Kinesiology*
  - *Basic*
  - *Advanced*
- *Somatic Dysfunction*
  - *Basic Concepts*
  - *Comprehensive Evaluation*
  - *Etiologies*
- *Spinal Kinesiology*
- *Gait*
- *Indications and Contraindications for Osteopathic Manipulative Medicine*
- *Structural Pathology of the Spine: Orthopedic and Rheumatologic*
- *General Principles of Musculoskeletal Rehabilitation*
- *The Cranial / Sacral Mechanism*
  - *Rationales*
  - *Developmental Anatomy, Physiology, Functional Pathology, and Structural Pathology*
  - *Clinical Significance*
- *The Pulmonary System*

Labs

- *Spatial Terminology and Bony Landmarks*
- *Kinesiology*
  - *Terminology of Motion*
  - *Linkage and Postural Context*
- *Regional / Multiregional Movement - Available Motion in Multiple Postural Contexts*
- *Analysis of Movement Patterns - Symmetry and Proportionality*
- *Advanced Musculoskeletal Clinical Evaluation*
  - *Neuromuscular Regulation*
  - *Staging Evaluation and Care*
  - *Exercise Prescription*
  - *Short Lower Extremity Syndrome*
- *Cervical Spine - Diagnosis, High Velocity Low Amplitude, and Muscle Energy*
- *Sacrum and Pelvis - Diagnosis and High Velocity Low Amplitude*
- *Lumbar Spine - Diagnosis and High Velocity Low Amplitude*
- *Advanced Evaluation of the Thoracolumbar Spine and Rib Cage*
- *Active Motion of the Cranial / Sacral Mechanism*
  - *Rhythmic Impulse*
  - *Flexion and Extension Phases*
- *Passive Motion of the Cranium*
  - *Unpaired Midline Bones*
  - *Paired Bones*

Course Materials & Administration

- Each presentation was accompanied by an extensive outline. Major foci included the development of a 33-page lab manual on cranial manipulation and a 155-page lab manual on the biomechanical evaluation.
- Mentor/evaluator for all freshman Osteopathic Principles and Practice and sophomore Osteopathic Diagnosis and Treatment labs and practical exams
- Preparation of written examination questions on all lectures given

Clinical Instruction

- Case presentations and follow-up presentations for Osteopathic Principles and Practice
- Clinical mentor of Osteopathic Principles and Practice Departmental Fellows, preclinical students, and externs

1997 Authored major revision of syllabus for Osteopathic Principles and Practice first and second year course.

1997 Health Track mentor

1997-99 Central role in organizing new Osteopathic Principles and Practice Departmental curriculum for entire two-year cycle

1997-99 Course coordinator for sophomore course: “Osteopathic Diagnosis and Treatment”

1998 Invited lecturer University of Health Sciences Research Day
"Real-time Ultrasonographic Evaluation of Sacroiliac Joint Motion" (20 minutes)
"The Sternal Displacement Meter" (20 minutes)

1998-99 Weekly Undergraduate American Academy of Osteopathy review sessions

1999 Lectures and labs for the Pediatrics Club and Undergraduate Academy of Osteopathy
"Robert Fulford, DO and Cranial Manipulation" (12 hours)

2000 Discussion for the Sports Medicine Club
"OMT for the Athletic Population" (2 hours)

2000 Lectures and labs for the Undergraduate American Academy of Osteopathy
"Restorative Care of Chronic Musculoskeletal Pain Syndromes" (10 hours)

2001 Lectures and labs for the Undergraduate American Academy of Osteopathy
"Comprehensive Biomechanical Diagnostics and Restorative Care of Chronic Musculoskeletal Pain Syndromes" (40 hours x 2)

2002 Lectures and labs for the Undergraduate American Academy of Osteopathy
"Cranial Manipulation" (12 hours)

2005 Lecture / demonstrations for the Undergraduate American Academy of Osteopathy
"Somatic Dysfunction" (1.5 hours)

2008 Lecture / demonstrations for the Undergraduate American Academy of Osteopathy
"Somatic Dysfunction" (1.5 hours)

2009 Lecture / demonstrations for the Undergraduate American Academy of Osteopathy
"Somatic Dysfunction" (1.5 hours x 3)

2010 Lecture / demonstrations for the Undergraduate American Academy of Osteopathy
"Somatic Dysfunction" (7 hours)

2012 Lecture / demonstration for the Science Friday
"Restorative Care Foundation – Research History and Prospects" (1 hour)

2013 Lecture / demonstration for the Student American Academy of Osteopathy
"The Role of Osteopathic Manipulative Medicine in the Care of a Patient with Osteoarthritis of the Hip" (4 hours)

2013 Lecture / demonstration for the Student American Academy of Osteopathy:
"Perspectives on Osteopathic Manipulative Medicine" (1.5 hours)

2014 Lecture / demonstration for the Student American Academy of Osteopathy:
"Perspectives on Osteopathic Manipulative Medicine (1.5 hours)

2015 Lecture / demonstration for the Student American Academy of Osteopathy:
"Functional Pathology of the Musculoskeletal System" (3 hours)

2015 Lecture / case presentation/demonstration / lab for the Osteopathic Manipulative Medicine Fellows
"Functional Pathology of the Musculoskeletal System" (>8 hours)

Nova Southeastern University College of Osteopathic Medicine
Fort Lauderdale, Florida

2002 Labs for the sophomore
"New Concepts of Motion Palpation and Interpretation" (1.5 hours x 4)

2004 Lecture / demonstration for the Family Medicine Residents
"Motion Testing and Proportionality" (1 hour)

2007 Lecture for the OPP Fellows
"Functional Biomechanical Exam" (1.5 hours)

University of Kansas School of Medicine
Kansas City, Kansas

2003 Regular attendance Spine Surgery Conferences

2008 Lecture / demonstration for Physical Medicine and Rehabilitation Department
"Somatic Dysfunction" (5 hours)

2012 Lecture / demonstration for the Integrative Medicine Program
"Functional Pathology of the Musculoskeletal System" (2 hours)

AT Still University
Kirksville College of Osteopathic Medicine
Kirksville, Missouri

1987 Lecture for Founder's Day
"My Experiences with Robert Fulford, DO" (1 hour)

2002 For Founder's Day
Lecture: *"A Critique of Current Concepts of Somatic Dysfunction" (1.5 hours)*

Panel Discussant: *"Objectifying the Musculoskeletal Exam" (1.5 hours)*

Labs: *"Introducing the Biomechanical Exam" (2 hours x 2)*

2003 Lecture / lab for Founder's Day
"Evaluating the Musculoskeletal System in Search of the Key Dysfunction" (5 hours)

2012- Co-investigator: DO-Touch Practice Based Research Network

2014 Lecture / demonstration for Osteopathic Manipulative Medicine Residents and Fellows
"Functional Pathology of the Musculoskeletal System (2 hours)

2015 Lecture/demonstration for the Student Academy of Osteopathy
"Functional Pathology of the Musculoskeletal System" (2.5 hours)

2017 Lecture for the DO-Touch Network Annual Meeting
"NIH Funded Manual Medicine Research 2012-17" (15 minutes)

2018 Lectures for the DO-Touch Network Annual Meeting
"Finely Discriminating Adverse Events – Can Some Be Therapeutic?" (1 hour)
Co-presenter with Jane Johnson, MA
"OMT Safety – What is the Evidence?" (2 hours)
"How Does DO-Touch.NET Build the Evidence-base in OMM?" (1 hour)

2019 Lecture for the DO-Touch Network Annual Meeting
Co-presenter with Brian Degenhardt, DO
"Adverse Events Following OMT: Update on the Evidence?" (2 hours)

2021 Journal Club for the DO-Touch.NET PBRN
"Cervical Manipulation and Stroke" (1 hour)

https://www.youtube.com/watch?v=TrelDmtRZY8

2022 Discussant for the International Consortium on Manual Therapies
"Controversies in Manual Therapy" (1 hour)

2025 DO-Touch.NET PBRN Annual Meeting
Co-presenter with Amy Dean, DO
"Incorporating Research Participation within Your Clinical Practice" (1 Hour)
Discussant
"The DO-Touch.NET of the Future" (1 Hour)

Medical University of South Carolina Department of Neuroscience
Charleston, South Carolina

2009 **Visiting Professorship – lecture / demonstrations (6 days)**
"Functional Pathology of the Musculoskeletal System" (45 min to 2.5 hours each)
- Neurology Residents and Faculty
- Developmental Pediatric Group
- Neurology Medical Students
- Physical Therapy Students and Faculty
- Family Medicine Residents and Faculty
- Physical Medicine and Rehabilitation Student Interest Group and Faculty

The University of California Davis College of Medicine
Sacramento, California

2023- Research Mentor Department of Neurology

2023- Neurology Grand Rounds Conference: participant

Osteopathic Manipulative Medicine Residency Program
Mountain View Hospital, Las Cruces, New Mexico

2024 Lecture, Demonstration, and Lab Mentor
"Functional Pathology of the Musculoskeletal System: Basic Principles" (5 hours)

Seminars
Principle author / presenter

Biomechanix
Audiences included DOs, MDs, and PTs, from the United States.

1988-90 Park Nicollet Medical Center and the Minnesota Osteopathic Medical Society; Minneapolis, Minnesota
"Introduction to Comprehensive Biomechanical Diagnostics" (40 hours x 3)

1989-90 Tucson Osteopathic Medical Foundation; Tucson, Arizona
"Introduction to Comprehensive Biomechanical Diagnostics" (40 hours x 2)

1990 Sister Kenny Institute; Minneapolis, Minnesota with Warren Bilkey, M.D.
"Comprehensive Biomechanical Diagnostics - Intermediate Forum" (16 hours)

1991 Tucson Osteopathic Medical Foundation; Tucson, Arizona
"Introduction to Comprehensive Biomechanical Diagnostics" (28 hours)

Restorative Care Partners, LLC
Audience included DOs, MDs, and Ots from the United States.

2008 Nova Southeastern University College of Osteopathic Medicine; Fort Lauderdale, Florida
"Introduction to Comprehensive Biomechanical Diagnostics Level 1 – Low Back Pain" (18 hours)

William James Brooks, DO, PC
Audience included DOs and MDs from the United States.

2024 Faculty Development Workshop: *"Introduction to the Functional Pathology of the Musculoskeletal System" (48 hours)*

2025 Faculty Development Refresher Workshop: *"Introduction to the Functional Pathology of the Musculoskeletal System" (24 hours)*

Invited Seminars

Audiences have included DOs, MDs, OTs, PTs, and DCs.

1986 Des Moines College of Osteopathic Medicine and the Iowa Osteopathic Medical Society; Des Moines, Iowa
"Comprehensive Osteopathic Manipulation" (2 days)

1999 Western Slopes Study Group; Grand Junction, Colorado
"Restorative Care of Chronic, Tertiary Musculoskeletal Pain Syndromes" (15 hours)

2004 German School of Osteopathic Medicine - sponsored by the Nova Southeastern University College of Osteopathic Medicine and the Restorative Care Foundation; Fort Lauderdale, Florida
"Introduction to Comprehensive Biomechanical Diagnostics" (17 hours)

2009 German School of Osteopathic Medicine and the German Society for Manual Medicine; Boppard, Germany
"Introduction to Comprehensive Biomechanical Diagnostics - Level I" (20 hours)

Other Invited Lecture / Demonstrations

1986 Lecture for the Des Moines College of Osteopathic Medicine and the Iowa Osteopathic Medical Society; Des Moines, Iowa
"A D.O. in an M.D. Town" (1 hour)

1986 Lecture / demonstration for the Minnesota Osteopathic Medical Society; Minneapolis, Minnesota
"Comprehensive Osteopathic Manipulation" (1 hour)

1987-88 Lecture / demonstration series for the Methodist Hospital Orthopedic - Rheumatology Conferences; Minneapolis, Minnesota
"Comprehensive Osteopathic Manipulation" (1 hour each)

1989 Lecture for the Arizona Osteopathic Medical Association; Tucson, Arizona
"The One and the Many" (Biomechanics and Manual Medicine) (1 hour)

1989 Lecture for the Arizona Osteopathic Medical Association; Tucson, Arizona
"OMT and Stroke" (1 hour)

1990 Lecture for the Tucson Holistic Nurses Association; Tucson, Arizona
"Biomechanics and Manual Medicine" (1 hour)

1991 Lecture for the Arizona Osteopathic Medical Association; Tucson, Arizona
"Somatic Dysfunction - A Critique" (1 hour)

1992 Lecture for the Arizona Physical Therapy Association; Phoenix, Arizona
"From Toe to Head - the Biomechanics of Head and Neck Pain" (1 hour)

1992 Lecture for the Western States Osteopathic Convention; Las Vegas, Nevada
"A Critique of Somatic Dysfunction - Introducing the Biomechanical Exam" (1 hour)

1992 Lecture for the Complementary Medical Association; Tucson, Arizona
"Manual Medicine" (1 hour)

1992 Lecture for the Westview Osteopathic Hospital; Indianapolis, Indiana
"A Critique of Current Concepts of Somatic Dysfunction" (1 hour)

1993 Lecture / demonstration for the Western States Osteopathic Convention; Las Vegas, Nevada
"Biomechanical Diagnostics - Accessory Motion of the Sacrum" (1 hour)

1993 Lecture for the Tucson Homeopathic Study Group; Tucson, Arizona
"My Experiences with Robert Fulford, D.O." (1 hour)

1993 Oregon State Osteopathic Convention; Ashland, Oregon
Lecture: *"A Critique of Current Concepts of Somatic Dysfunction" (1 hour)*

Workshop: *"Introducing the Biomechanical Exam with Reference to the Sacrum and Pelvis" (1 hour)*

1993 Lecture / demonstration for the Maricopa Medical Center Department of Anesthesiology; Phoenix, Arizona
"An Integrative Medicine Approach to Chronic Pain Management - Biomechanical Considerations" (1 hour)

1994 Lecture / demonstration for the Western States Osteopathic Convention; Las Vegas, Nevada
"A Critique of Somatic Dysfunction - Introducing the Biomechanical Exam" (2 hours)

1994 Lecture / demonstration for the Arizona Movement and Balance Laboratories at the Rehabilitation Institute of Tucson; Tucson, Arizona
"Introduction to the Biomechanical Evaluation and Manual Medicine" (3 hours)

1994 Lecture / demonstration for the Arizona Academy of Osteopathy; Sedona, Arizona
"Diagnosis and Treatment of Sacral Dysfunction" (2 hours)

1995 Publication presentation Association of University Radiologists; San Diego, California
"Ultrasound Evaluation of Sacroiliac Motion in Normal Volunteers" Lund, P., Krupinski, E., Brooks, W.

1996 Lecture / demonstration with John Woolf, PT for the Rocky Mountain Athletic Trainer's Association Symposium; Tucson, AZ
"Manual Medicine and the Biomechanical Evaluation" (4 hours)

1996 New Frontiers in Pain 1996 Preconference Workshop on Musculoskeletal Medicine; Scottsdale, Arizona
Lecture: *"The Musculoskeletal System - Its Function and Malfunction" (1 hour)*

Demonstration: *"The Biomechanical Exam" (1 hour)*

1996 Lecture for the Southwest Conference on Medicine; Tucson, Arizona
"Osteopathic Manipulative Medicine and Managed Care" (1 hour)

1997 Lecture / lab for the Missouri Association of Osteopathic Physicians and Surgeons; Kansas City, Missouri
"General Principles of Diagnosis of the Functional Pathology of the Spine: C2 - L5" (2 hours)

1998 Lecture for the Park Lane Medical Center Quarterly Medical Staff Meeting; Raytown, Missouri
"Restorative Care of Chronic Musculoskeletal Pain Syndromes" (1 hour)

1999 Lecture for the Community Hospital; Grand Junction, Colorado
"Expanding Perspectives on the Diagnosis of the Functional Pathology of the Cervical, Thoracic, and Lumbar Spines" (1 hour)

1999 Lecture for the Western Slopes Study Group; Grand Junction, Colorado
"Multidisciplinary Approach to Chronic Pain" (Keynote Speaker) *(1 hour)*

1999 Lecture / lab for the Kansas Association of Osteopathic Medicine; Overland Park, Kansas
"Expanding Perspectives on the Diagnosis of Somatic Dysfunction of the Spine" (1 hour)

2001 Lecture for the Research Medical Center, Bixby Institute 20th Annual Hoeper Primary Care Symposium; Kansas City, Missouri
"Manipulative Medicine in the 21st Century" (1 hour)

2001 Lecture for the Truman Medical Center East, Medical Staff and Resident Conference; Kansas City, Missouri
"Manipulative Medicine in the 21st Century" (1 hour)

2002 Lecture for the Kaufman Foundation; Kansas City, Missouri
"Manipulative Medicine in the 21st Century" (1 hour)

2004 Lecture for Bridging the Gap Between Eastern and Western Medicine; University of Missouri-Kansas City School of Medicine, Children's Mercy Hospital and Clinics, International Institute of Oriental Medicine, Logan College of Chiropractic Medicine, and Kansas College of Chinese Medicine; Kansas City, Missouri
"Restorative Care of the Musculoskeletal System" (1 hour)

2004 Lecture for the German School of Osteopathic Medicine sponsored by the Nova Southeastern University College of Osteopathic Medicine and the Restorative Care Foundation, Fort Lauderdale, Florida
"The Techniques of Robert Fulford, DO" (3 hours)

2005 First International Congress of Osteopathic Medicine; German Society for Osteopathic Medicine, German American Academy for Osteopathy, Swiss Association for Osteopathic Medicine, French Association for Osteopathic Medicine, Elsevier Publishing; Freiburg, Germany
Research Symposium: *"Research Projects of the Restorative Care Foundation: Spinal Motion of the Whole Spine and at the Sacroiliac Joint; Chest Wall Mechanics - Compliance; Passive Specified Linkage Motion Testing - Intra / interrater Reliability; Idiopathic Scoliosis" (1 hour)*

Lecture: *"Comprehensive Biomechanical Diagnosis" (1 hour)*

2007 Society on Scoliosis Orthopedic and Rehabilitation Treatment; Boston, Massachusetts
Lecture: "Comprehensive Manipulative Medicine" (15 minutes)

2008 Second International Congress of Osteopathic Medicine; German Society for Osteopathic Medicine, German American Academy for Osteopathy, Swiss Association for Osteopathic Medicine, French Association for Osteopathic Medicine; Karlsruhe, Germany

Consultant: *“Spinal Mechanics and Dysfunction” (5 hours)*

Lecture: *"Restorative Care of Low Back Pain Syndrome" (1 hour)*

Lecture: *"The Work of Robert Fulford, DO" (1 hour)*

Workshop: *"Restorative Care of Low Back Pain Syndrome" (2 hours x 2)*

Discussant: ‘Ask the Stars’ Panel *(1 hour)*

2009 Lecture for the Teacher’s Conference German School of Osteopathic Medicine and the German Society for Manual Medicine; Boppard, Germany
“Principles of Examination for Functional Pathology of the Spine" (1.5 hours)

2009 Lecture / demonstration for the United States Army School of Advanced Military Studies; Fort Leavenworth, Kansas
“Systems Theory and Restorative Care of Chronic Musculoskeletal Pain Syndromes” (4 hours)

2010 Lecture / demonstration for Proactive Physical Therapy; Tucson, Arizona
“Systems Theory and Restorative Care of Chronic Musculoskeletal Pain Syndromes” (3 hours)

2011 Lecture for TOUCH.net; Kansas City, Missouri
“Restorative Care of Musculoskeletal Pain Syndromes” (1 hour)

2011 Lecture / lab for the Southwest Conference on Medicine; Tucson, Arizona
“OMT Workshop” (2 hours)

2012 Lecture / demonstration for the American Academy of Osteopathy 75th Convocation; Louisville, Kentucky
“OMT to Reduce Scoliotic Curves” (45 minutes)

2013 Lecture / demonstration for the Division of Child Neurology Faculty and Fellows Tufts University School of Medicine; Boston, Massachusetts
"Functional Pathology of the Musculoskeletal System" (1 hour)

2025 Lecture / demonstration for Arizona Osteopathic Medical Association; Phoenix, AZ
“Robert Fulford, DO Demystified (Partially) – A Biomechanical Perspective” (2 hours)

2025 Lecture / demonstration for the Southwest Conference on Medicine; Tucson, AZ
"Introduction to the Functional Pathology of the Musculoskeletal System Paradigm" (2 hours)"

2026 Lecture / demonstration for the Arizona Osteopathic Medical Association; Mesa, AZ
"Construct Valid Evaluation of Motion at the Hips
- *Appreciating Context, Linkage, and Proportionality*
- *Whole MSS Impact (1 hour)"*

2026 Lecture / workshop with Alan Yee, DO Mayo Osteopathic Research and Education Conference, Rochester, MN

Lecture: "*Quantifying Functional Pathology of the Musculoskeletal System (FPMSS) Following Cerebral Ischemia: The SOMADC-AC Study"* (1 hour)

Workshop: "*Clinical Application of the Functional Pathology of the Musculoskeletal System (FPMSS) Paradigm*" (1 hour x 4)

Panel Discussion with Brian Degenhardt, D.O., Stephen Stacey, D.O., FAAFP and Alan Yee, D.O.: *"The Science of Touch"*

Grants

Completed Support

1989 Tucson Osteopathic Medical Foundation to Biomechanix ($5,000) for presentation of a seminar: *"Introduction to Comprehensive Biomechanical Diagnostics"*

1990 Tucson Osteopathic Medical Foundation to Biomechanix ($5,000) for presentation of a seminar: *"Introduction to Comprehensive Biomechanical Diagnostics"*

1993-4 Department of Surgery the University of Arizona (Biomedical Research Support Grant) - Principal Investigator - ($2,500): *"The Effect of Manual Medicine on Chest Wall Compliance and Spirometrically Measured Pulmonary Function"*

2002-19 Co-principal Investigator with Michael M. Patterson, PhD, DO (HON) from the Restorative Care Foundation ($82,000) ($80,000 from the Wallace Research Foundation)

#1 A Treatise on the Functional Pathology of the Musculoskeletal System: Volume One—Introduction

#2 "*Review of the controversy regarding the amount of motion that occurs at the sacroiliac joint"*

#3 "*Effect of cervical forward vs backward bending on lumbar and trunk forward bending in the standing context"*

#4 "*Chest compliance measured with a sternal displacement meter in normal volunteers"*

#5 "*Reversal of signs and symptoms in a case of adult idiopathic scoliosis"*

2003-19 Co-principal Investigator with Michael M. Patterson, PhD, DO (HON) from the Restorative Care Foundation ($75,000) ($75,000 from the Wallace Research Foundation) continuing support of #1 through #5 and

#6 *"Intraexaminer reliability of the Functional Biomechanical Examination"*

2005-19 Co-principal Investigator with Michael M. Patterson, PhD, DO (HON) from the Restorative Care Foundation ($75,000) ($75,000 from the Wallace Research Foundation) continuing support of #1 through #6

2018-22 Co-principal Investigator with Brian Degenhardt, DO from the Andrew Taylor Still University ($25,000) ($25,000 from the Wallace Research Foundation) publication of A Treatise on the Functional Pathology of the Musculoskeletal System: Volume One—Introduction

2023-25 Co-investigator with Alan Yee, DO Principal Investigator ($100,000 from the American Osteopathic Association): *"Somatic Dysfunction Characterization following Acute Cerebrovascular Disease"*

2024 Tucson Osteopathic Medical Foundation ($31,500) for presentation of a faculty development seminar: *"Introduction to Functional Pathology of the Musculoskeletal System" (48 hours) (3.5 days x 2)*

2025 Tucson Osteopathic Medical Foundation ($15,000) for presentation of a faculty development "Refresher" seminar: *"Introduction to Functional Pathology of the Musculoskeletal System" (24 hours) (3.5 days x 2)*

Active Support

2026-28 Co-investigator with Alan Yee, DO Principal Investigator ($100,000 from the American Osteopathic Association): SOMADC-CC (*SOMA*tic *D*ysfunction *C*haracterization following *C*hronic *C*erebrovascular disease) – Biomarker Study

Inactive Support

1993 The University of Arizona Arthritis Center - Principal Investigator ($2,500)
"The Effect of Manual Medicine on Chest Wall Compliance & Spirometrically Measured Pulmonary Functions"

1994 Wallace Genetics Foundation - Principal Investigator ($41,260)
#1 "*Fluoroscopic Measurement of Sacroiliac Joint Motion"*

#2 "*The Effect of Manual Medicine on Chest Wall Compliance and Spirometrically Measured Pulmonary Functions*"

Publications / Posters / Abstracts

1995 Krupinski, E., Brooks, W., Lund, P. *"Demonstration of Movement in the Sacroiliac Joint Using Ultrasound"* SPIE Medical Imaging 1995; Vol. 2433 pp. 354-360

1995 Brooks, W., Krupinski, E., Lund, P. (Abstract) *"Realtime Sonographic Evaluation of Sacroiliac Joint Motion Induced by Spring Testing".* The Integrated Function of the Lumbar Spine and Sacroiliac Joint, Second Interdisciplinary World Congress on Low Back Pain - Part II. Edited by Vleeming, A., Mooney, V., Dorman, T., Snijders, C. 1995; p. 895.

1996 Lund, P., Krupinski, E., Brooks, W. *"Ultrasound Evaluation of Sacroiliac Motion in Normal Volunteers".* Acad Radiol 1996; 3: 192-196.

2001 Hawes, M., Brooks, W. *"Improved Chest Expansion in Idiopathic Scoliosis after Intensive, Multiple-modality, Non-surgical treatment in an Adult".* Chest 2001; Vol.120: 672-674.

2002 Hawes, M., Brooks, W. (Poster) *"Reversal of Signs and Symptoms of Longstanding Moderately Severe Idiopathic Scoliosis in Response to Physical Methods".* 4th Meeting of the International Research Society of Spinal Deformities. Athens, Greece, May 24-27, 2002

2002 Hawes, M., Brooks, W. (Abstract) *"Reversal of Signs and Symptoms of Longstanding Moderately Severe Idiopathic Scoliosis in Response to Physical Methods".* Research into Spinal Deformities 4. International Research Society of Spinal Deformities. Edited by Grivas, T. 2002; pp.365-8.

2003 Patterson, MM., Brooks, W. (Poster), *"The Effect of Cervical Spine Position on Lumbar and Trunk Forward Bending"* 47th Annual AOA Research Conference; New Orleans, Louisiana

2003 Brooks, W., Patterson, M., Wagner, E., Shamus, E., Carter, K. (Abstract) *"Effect of Cervical Spine Position on Lumbar and Trunk Forward Bending"* Journal of the American Osteopathic Association, Vol. 103, No. 8, August, 2003

2007 Hawes, M., Brooks, W. (Poster): *"Reversal of Signs and Symptoms of Longstanding Moderately Severe Idiopathic Scoliosis in Response to Physical Methods"* Society on Scoliosis Orthopedic and Rehabilitation Treatment; Boston, Massachusetts

2007 Brooks, W., Krupinski, E., Hawes, M. (Abstract) *"Reversal of Curvature in Response to Physical Methods: a 15-Year Follow-up in an Adult Female Diagnosed with Moderately Severe Scoliosis at Age Eleven Years"* Scoliosis 2007, 2 (Suppl 1): P2 (12 October 2007)

2009 Brooks, W. *"Limitations of Symmetry"* Osteopathic Medicine 1/2009 (German) pp. 11-15.

2009 Brooks, W. (Book Review) "*Manipulation in Motion: A Video Companion to A Pocket Manual of OMT [DVD]"* Journal of the American Osteopathic Association, Volume 109, No. 11, November 2009, pp. 571-2.

2009 Brooks, W., Krupinski, E., Hawes, M. *"Reversal of childhood idiopathic scoliosis in an adult, without surgery: a case report and literature review"* Scoliosis 2009, **4:**27 doi:10.1186/1748-7161-4-27

2012 William J. Brooks, Michael M. Patterson, Ethan Wagner, Patrick Hardigan *"Cervical Spine Bending: A Factor Confounding Whole Trunk and Lumbar Forward Bending Range of Motion"* Journal of the American Osteopathic Association July 2012:429-436

2018 Degenhardt, B., Johnson, J., Brooks, W., Norman, L. *"Adverse Events Reported Immediately Following Osteopathic Manipulative Treatment"* The Journal of the American Osteopathic Association, March 2018, Vol. 118, 141-149

2022 Functional Pathology of the Musculoskeletal System: Volume One—Introduction. William James Brooks, DO. Foreword by David Griesemer, MD

2022 Brooks, W, Johnson, J, Degenhardt, B. *"Assessment of the Safety of Osteopathic Manipulative Treatment Based on Patient Report: An Observational Study Conducted by DO-Touch.NET"* (Abstract) International Consortium on Manual Therapies Conference 2022—Online—May, 2022

2023 Navneet Bassi, DO, Corinna Fazzio, DO, William Brooks, DO, Guillermo Palchik, PhD, Alan Yee, DO (Poster) "*Post-Stroke Disability, Somatic Dysfunction, and Association with Quality-of-Life in Patients with Cerebrovascular Disease"* OMED2023, Orlando, FL

2025 Alan Yee, DO, William Brooks, DO, Kevin Nasre, DO, Corinna Fazzio, DO, Ruth Lee, MD, PhD, Guillermo Palchik, PhD, Machelle Wilson, PhD, Michelle Dossett, MD, PhD, MPH (Poster) *"Observer Reliability and Early Musculoskeletal Palpatory Changes Following Acute Ischemic Stroke: The SOMADC-AC Study"* International Congress on Integrative Medicine and Health, Seattle, WA March, 2025

2025 Jorge Murillo, BS, William Brooks, DO, Guillermo Palchik, PhD, Michelle Dossett, MD, PhD, MPH, Alan Yee, DO (Poster) *"Complementing Stroke Recovery with Osteopathic Care"* International Congress on Integrative Medicine and Health, Seattle, WA March, 2025

2025 A Yee, W Brooks, G Palchik, B Akers, Y Li, M Dossett *"Examiner Reliability of a Systematic Osteopathic Musculoskeletal Examination Model in Patients with Stroke: Results From the SOMADC-AC Study"* J Osteopath Med. 2025 Dec 4. doi: 10.1515/jom-2025-0084.

Research Progress

1995-97 Brooks, W., Enright, P., Krupinski, E., et al. *"Clinical Validation of a Sternal Displacement Meter"* data obtained

2003-08 Brooks, W. and Patterson, M. (deceased) *"Intraexaminer Reliability of Passive Specified Linkage Range of Motion*" IRB approved protocol

2005- Degenhardt, B., Johnson, J., Brooks, W. "*Patient Reported Adverse Events Following Osteopathic Manipulative Treatment"* data obtained

2019-23 Latt, D, Dohm, M., Brooks, W. *"Measuring, Understanding, and Improving Changes in Gait and Balance as a Result of Orthopedic Interventions"*

2023- Co-investigator with Alan Yee, DO Principal Investigator, "*Somatic Dysfunction Characterization following Acute Cerebrovascular Disease*"

Manuscripts Accepted

2026 A Yee, W Brooks, G Palchik, B Akers, Y Li, M Dossett *''Somatic Dysfunction Burden Determined by a Systematic Osteopathic Musculoskeletal Examination Model in Patients with Stroke: Results From the SOMADC-AC Study".* J Osteopath Med.

2026 J Murillo, W Brooks, G Palchik, M Dossett, Y Li, A Yee. *"Somatic Dysfunction and Gait Characterization Among Chronic Stroke Survivors Following Progressive Osteopathic Manipulative Medicine: A Case Series".* J Osteopath Med.

Abstracts Submitted

2026 A Yee, W Brooks, G Palchik, Y Li, M Dossett. "*Neuroimaging Correlates of Functional Pathology of the Musculoskeletal System Following Acute Ischemic Stroke"*

Manuscripts in Development

2026 A Yee, W Brooks, G Palchik, Y Li, M Dossett. "*Neuroimaging Correlates of Functional Pathology of the Musculoskeletal System Following Acute Ischemic Stroke"*

1999- Functional Pathology of the Musculoskeletal System — Advanced:

- Volume Two: Conceptual Foundations
- Volume Three: Nomenclature
- Volume Four: Clinical Application and Research Implications

Current Memberships

American Osteopathic Association
Arizona Osteopathic Medical Association
American Academy of Osteopathy
Sigma Sigma Phi

Licenses

Arizona
California
Indiana
Missouri
Minnesota (voluntarily lapsed)