

August 22, 2008

CURRICULUM VITAE

Michael J. Prayson, MD

Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation
Wright State University Boonshoft School of Medicine
30 E. Apple Street, Suite 2200, Dayton, Ohio 45409
937-208-2128/937-208-2920 Fax
mjprayson@mvh.org

EDUCATION

<u>Institution</u>	<u>Concentration</u>	<u>Degree/Date</u>
Kent State University & Northeastern Ohio Universities College of Medicine Rootstown, Ohio	Combined 6-Year Program	BS/MD 1989

POST GRADUATE EDUCATION

<u>Item</u>	<u>Date</u>
Orthopaedic Surgery Internship & Residency Training Akron General Medical Center, Akron, Ohio	1989-1994
Orthopaedic Traumatology Fellowship Department of Orthopaedic Surgery University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania	1994-1995

ACADEMIC EXPERIENCE

<u>Institution</u>	<u>Position</u>	<u>Date</u>
Northeastern Ohio Universities College of Medicine Rootstown, Ohio	Clinical Instructor	1993-1994
University of Missouri Department of Orthopaedic Surgery Kansas City, Missouri	Assistant Professor	1995-1998
Akron General Medical Center Department of Orthopaedic Surgery Akron, Ohio	Assistant Professor	1998-1999
University of Pittsburgh Medical Center Department of Orthopaedic Surgery Pittsburgh, Pennsylvania	Assistant Professor	1999-2004
Wright State University Boonshoft School of Medicine Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation Dayton, Ohio	Director of Orthopaedic Undergraduate Education Associate Professor Trauma Fellowship Director Vice Chair	2004-2006 2004-Present 2006-Present 2008-Present

Michael J. Prayson, MD – Curriculum Vitae

BOARD CERTIFICATION

American Board of Orthopaedic Surgery – Certification	July 1997
American Board of Orthopaedic Surgery – Recertification	June 2007

MEDICAL LICENSE

<u>State</u>	<u>License #</u>	<u>Status</u>
Ohio (NBME)	#35061723	Active
Pennsylvania (NBME)	#MD052290-L	Inactive
Missouri (NBME)	#107925	Inactive

OTHER CERTIFICATION

Advanced Trauma & Life Support	February 2000
DEA #BP4008365	Exp 3-31-2009

PROFESSIONAL MEMBERSHIP

<u>Association</u>	<u>Status</u>	<u>Date</u>
Allegheny County Medical Society	Past Member	2000-2004
Alpha Omega Alpha Honor Medical Society Zeta Chapter of Northeastern Ohio Universities College of Medicine	Member	1988-Present
American Academy of Orthopaedic Surgeons (AAOS)	Fellow	1999-Present
American Orthopaedic Association	Active Member	2007-Present
AO/ASIF	Faculty	1996-Present
Cambridge Who's Who Among Executives & Professionals	Honors Edition	2006-2007
Collaboration for Outcome Assessment in Surgical Trials (COAST)	Member	2006
Dayton Orthopaedic Society	Member	2004-Present
National Registry of Who's Who	Life Long Member #169237	2001
Ohio Orthopaedic Society	Member	2004-Present
Orthopaedic Trauma Association (OTA)	Active Member	1999-Present
Pennsylvania Medical Society	Past Member	2000-2004
Pennsylvania Orthopaedic Society	Past Member	2000-2004
Pennsylvania Trauma Systems Foundation	Past Member	2000-2004
Who's Who in America		2008

Michael J. Prayson, MD – Curriculum Vitae

PROFESSIONAL AWARDS

<u>Title of Award</u>	<u>Granting Association</u>	<u>Date</u>
Research Manuscript/3 rd Place Award	Ohio Orthopaedic Society	May 2005
Research Manuscript/3 rd Place Award	Ohio Orthopaedic Society	May 2006
Resident Research Competition/2 nd Place Award	Miami Valley Hospital	April 2007
Research Manuscript Carl L. Nelson, MD Physician in Training Award (Chosen as one of top two studies presented)	Mid-America Orthopaedic Assn	April 2008
Research Manuscript/3 rd Place Award	Ohio Orthopaedic Society	May 2008

TEACHING

Akron General Medical Center, Akron, Ohio

<u>Course</u>	<u>Date</u>
PGY-4 Orthopaedic Surgery Elective Rotation/Supervisor	February 2005

Miami Valley Hospital, Dayton, Ohio

<u>Course</u>	<u>Date</u>
Daily Orthopaedic Trauma Conferences/Case Review (Trauma Curriculum)	2004-Present

University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

<u>Course</u>	<u>Date</u>
MS-III Monthly Ambulatory Preceptorship	1999-2004
Monthly Fracture and Orthopaedic Trauma Medical Student Lectures	1999-2004
Pelvic and Acetabulum Fractures, Orthopaedic Trauma Teaching Module	1999-2004

Wright State University Russ Engineering School, Dayton, Ohio

<u>Course</u>	<u>Date</u>
Orthopaedic Engineering/Faculty	2007-Present

Wright State University Boonshoft School of Medicine, Dayton, Ohio

<u>Course</u>	<u>Date</u>
MS-II Orthopaedic Musculoskeletal Organ System Curriculum	2004-Present
MS-III Introduction to Clinical Medicine/Orthopaedic Section	2004-Present
MS-III Monthly Orthopaedic Clinical Rotation	2004-Present
MS-IV Orthopaedic Trauma and Visiting Student Clinical Rotation	2004-Present

Wright State University Boonshoft School of Medicine, Dayton, Ohio Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation

<u>Course</u>	<u>Date</u>
Physician Sponsor for Physician Assistant Masters Program (Kettering Medical Center)	2005
Orthopaedic Trauma Fellowship Director	
• Indresh Venkatarayappa, MD	2006-2008
• David J. Dalstrom, MD	2008-2009
• Justin Sybesma, MD	2009-2010

Michael J. Prayson, MD – Curriculum Vitae

PRINTED SCHOLARSHIP

Articles

Peer Reviewed

1. **Prayson M**, Leeson MC. Soft tissue myxomas and fibrous dysplasia of bone: A case report and review of the literature. *Clin Orthop*. 1993;291:222-228.
2. **Prayson MJ**, Williams JL, Marshall MP, Scilaris TA, Lingenfelter EJ. Biomechanical comparison of fixation methods in transverse olecranon fractures: A cadaveric study. *J Orthop Trauma*. 1997;11(8):565-572.
3. Cheney RA, Melaragno PG, **Prayson MJ**, Bennett GL, Njus GO. Anatomic investigation of the deep posterior compartment of the leg. *Foot and Ankle*. 1998;19(2):98-101.
4. Scilaris TA, Grantham JL, **Prayson MJ**, Marshall MP, Hamilton JJ, Williams JL. Biomechanical comparison of fixation methods in transverse patella fractures. *J Orthop Trauma*. 1998;12(5):356-359.
5. **Prayson MJ**, Lingenfelter EJ. Retrieval aid for missed free-hand interlocking screw. *Amer J Orthop*. 1998;27(7):530.
6. **Prayson MJ**. Editorial on “The aggressive treatment of 119 open fracture wounds.” *J Trauma*. 1999;46(6):1054.
7. **Prayson MJ**, Moon BS. Stabilization of the fractured tibial plafond. *Oper Tech Orthop*. July 1999;9(3):216-228.
8. Day CS, **Prayson MJ**, Shuler TE, Towers J, Gruen GS. Transsacral versus modified pelvic landmarks for percutaneous iliosacral screw placement: A CT analysis and cadaveric study. *Amer J Orthop*. 2000;29(9):16-21.
9. Datta DK, Marshall MP, **Prayson MJ**. Biomechanical comparison of endosteal substitution and lateral plate fixation in fractures of the supracondylar femur. *J Orthop Trauma*. 2001;15(2):96-100.
10. Tang P, Meredick R, **Prayson MJ**, Gruen GS. Pelvic external fixation: External fixation of the pelvis. *Tech Orthop*. 2002;17(2):228-238.
11. Wright V, Zelle B, **Prayson MJ**. Bilateral sacroiliac joint dislocation without associated fracture or anterior pelvic ring injuries. *J Orthop Trauma*. 2004;18(9):634-637.
12. Zelle BA, Gruen GS, Klatt B, Haemmerle MJ, Rosenblum WJ, **Prayson MJ**. Exchange reamed nailing for aseptic nonunion of the tibia. *J Trauma*. 2004;57(5):1053-1059.
13. **Prayson MJ**, Chen J, Hampers D, Fenwick J, Meredick R, Vogt M. Baseline compartment pressure measurements in isolated lower extremity fractures without clinical compartment syndrome. *J Trauma*. 2006;60(5):1037-1040.
14. Tang P, Gates C, Hawes J, Vogt M, **Prayson MJ**. Does open reduction increase the chance of infection during intramedullary nailing of closed tibial shaft fractures? *J Orthop Trauma*. 2006;20(5):317-322.
15. Tang P, Gates C, Hawes J, Vogt M, **Prayson MJ**. Aumenta la reduccion abierta durante el enclavado intramedular de las fracturas cerradas de diafisis tibial el riesgo de infeccion? *J Orthop Trauma*. 2006;20(5):375-376.
16. **Prayson MJ**. In response. *J Orthop Trauma*. 2006;20(10):745.
17. Khan MH, Wright VJ, **Prayson MJ**. Ipsilateral intertrochanteric and pipkin fractures: An unusual case. *Amer J Orthop*. 2007;36(4):E53-55.
18. Konstantakos E, Dalstrom DJ, Nelles M, Laughlin R, **Prayson MJ**. Compartment syndromes: An orthopaedic perspective. *Amer Surgeon*. 2007;73(12):1199-1209.

Michael J. Prayson, MD – Curriculum Vitae

PRINTED SCHOLARSHIP/Articles/Peer Reviewed (Continued)

19. **Prayson MJ**, Iossi M, Buchalter D, Vogt M, Towers J. Safe zone for anterior cortical perforation of the ulna during tension band wire fixation: A magnetic resonance imaging analysis. *J Shoulder Elbow Surg.* 2008;17(1):121-125.
20. Dalstrom DJ, Venkatarayappa I, Manternach AL, Palcic MS, Heyse BA, **Prayson MJ**. Time-dependent contamination of opened sterile trays. *J Bone Joint Surg* 2008;90A(5):1022-1025.
21. **Prayson MJ**, Venkatarayappa I, Srivastava M, Northern I, Burdette SD. Deep infection with Mycoplasma Arginini in an open femur fracture secondary to an African lion bite: A case report. *Injury Extra.* 2008;39:243-246.
22. Collinge C, LeBus G, **Prayson M**. Tibial plafond fractures. Submitted to *Tech Orthop* 2007.
23. **Prayson M**, Herbenick M, Siebuhr K, Finnan R. An alternative direction to proximal locking in retrograde femoral nails. *Orthopedics* 2008; 31(8): .
24. Miller DL, Goswami T, **Prayson MJ**. An overview of the locking compression plate and its clinical applications in fracture healing. Accepted in *J Surg Orthop Advances* 2007.
25. Karanicolas PJ, Bhandari M, Walter SD, Heels-Ansdell D, Guyatt GH and the Collaboration for Outcomes Assessment in Surgical Trials (COAST) Musculoskeletal Group (participating member – **Prayson MJ**). A creative approach to blinding of outcomes: The blinding of femoral fixation (BOFF) study. Manuscript preparation and submission in progress 2008.
26. Finnan RP, McCarthy M, Herbenick MA, **Prayson MJ**. Bladder incarceration following anterior external fixation of a traumatic pubic symphysis diastasis treated with immediate open reduction and internal fixation. Submitted to *J Surgical Mgmt Outcomes* 2008.

Non Peer Reviewed

1. Day CS, **Prayson MJ**, Shuler TE, Towers J, Gruen GS. Transacral versus modified pelvic landmarks for percutaneous iliosacral screw placement: A CT analysis and cadaveric study. *Pittsburgh Orthop J.* 2000;11:121-127.
2. Shuler FD, Gruen GS, Whalen J, Deeney V, Schaefer L, Roberts N, **Prayson MJ**. Cast saw burns: preliminary evaluation of skin, cast and blade temperatures generated during cast removal. *Pittsburgh Orthop J.* 2001;12:176-177.
3. Shuler FD, Gruen GS, Whalen J, **Prayson MJ**. Skin temperatures generated with plaster splints. *Pittsburgh Orthop J.* 2001;12:178-179.
4. Shuler FD, Gruen GS, Whalen J, Shah M, **Prayson MJ**. Long term follow-up of patients with pelvic fractures and urethral injuries treated by immediate primary endoscopic realignment. *Pittsburgh Orthop J.* 2001;12:182.
5. **Prayson MJ**, Gruen GS. The management of tennis elbow. *Cortlandt Forum.* 2001;14(6):102-104.
6. **Prayson MJ**, Gruen GS. The management of tennis elbow. *Clinical Advisor.* 2002(April):116-120.
7. **Prayson MJ**, Gruen GS. Avascular necrosis of the hip. *Cortlandt Forum.* 2002(June):74-78.
8. **Prayson MJ**, Gruen GS. Avascular necrosis of the hip. *Clinical Advisor.* 2002(September):91-97.
9. Rohde RS, Yagnik GP, **Prayson MJ**. Femur and solid femoral intramedullary rod fracture resulting from new trauma: Case report and technique for removal. *Pittsburgh Orthop J.* 2003;14:82-85.
10. Dalstrom DJ, Venkatarayappa I, Manternach AL, Palcic MS, Heyse BA, **Prayson MJ**. Time-Dependent Contamination of Opened Sterile Trays. Presented at the American Academy of Orthopaedic Surgeons 74th Annual Meeting, San Diego, California, February 15, 2007, cited in *AAOS Now* daily newspaper, February 16, 2007 issue.

Michael J. Prayson, MD – Curriculum Vitae

PRINTED SCHOLARSHIP (Continued)

Chapters in Books

1. **Prayson MJ**, Gruen GS. Pelvic Fractures. The Trauma Manual 2nd Edition. Lippincott, Williams, and Wilkins. Philadelphia, PA. Peitzman, Rhodes, Schwab, Yealy, and Fabian, Editors. Chapter 33, 2002; pp. 310-318.
2. Konstantakos E, **Prayson MJ** (eds). Orthopaedic Reductions Made Simple. In progress.

Electronic Journals

1. Time-Dependent Contamination of Opened Sterile Trays. Presented at the American Academy of Orthopaedic Surgeons 74th Annual Meeting, San Diego, California, February 15, 2007, cited on ORTHO SuperSite, Orthopedics Today 2007;27(2).
2. Khan MH, Wright VJ, **Prayson MJ**. Ipsilateral intertrochanteric and pipkin fractures: An unusual case. *Amer J Orthop*. 2007;36(4):E53-55.
3. **Prayson MJ**, Venkatarayappa I, Srivastava M, Northern I, Burdette SD. Deep infection with Mycoplasma Arginini in an open femur fracture secondary to an African lion bite: A case report. *Injury Extra*. 2008;39:243-246.

PRESENTATIONS

Regional

1. Combined Internal and External Fixation for Intraarticular Fractures of the Calcaneus. Presented at the Mid-America Orthopaedic Association 11th Annual Meeting, Hilton Head Island, South Carolina, April 1993.
2. Tibial Plafond Fractures. Presented at the Kansas City Community Trauma Symposium/ **Moderator**, Kansas City, Missouri, August 22, 1996.
3. Managing the Failed Plafond Fracture/**Invited Lecturer**. Presented at the Pennsylvania Orthopaedic Society Annual Meeting, Pittsburgh, Pennsylvania, November 15-16, 1996.
4. Posterior Wall Acetabular Fractures/**Invited Lecturer**. Presented at the Pennsylvania Orthopaedic Society Annual Meeting, Pittsburgh, Pennsylvania, November 15-16, 1996.
5. Stabilizing the Unstable Pelvic Fractures/**Invited Lecturer**. Presented at the Midwest Trauma Society, Kansas City, Missouri, May 15, 1997.
6. Tibial Pilon Fractures/**Invited Lecturer**. Presented at the Trauma Update Symposium, American College of Surgeons Meeting, Lake of the Ozarks, Missouri, June 14, 1997.
7. Use of External Fixation for Large and Small Bone Fractures/**Invited Lecturer**. Presented at the AO/ASIF ORP Course, Kansas City, Missouri, September 27, 1997.
8. External Fixation Instruments and Implants/**Invited Lecturer**. Presented at the AO/ASIF ORP Course, Kansas City, Missouri, September 27, 1997.
9. Tibial Treatment Decision: Intramedullary Nailing or External Fixation/**Invited Lecturer**. Presented at the AO/ASIF ORP Course, Kansas City, Missouri, September 27, 1997.
10. The Injured Elderly: Demands of Trauma Care/**Invited Lecturer**. Presented at the American Academy of Orthopaedic Surgery Mobility for the Elderly Course # 444, Kansas City, Missouri, August 5, 1998.
11. Pelvic Fractures/**Invited Lecturer**. Presented at Orthopaedic Trauma-Current Trends and Insights, Akron, Ohio, September 25, 1998.
12. **Faculty Instructor** for the AO/ASIF Resident Basic Course, Tulsa, Oklahoma, November 4, 1999.
13. Pelvic Injuries/**Invited Lecturer**. Presented at the PTSF/PaACSOT 4th Annual Meeting, Harrisburg, Pennsylvania, November 9, 2000.
14. Tibial Nonunions/**Invited Lecturer**. Presented at the Pennsylvania Orthopaedic Association, Miami, Florida, 2001.

Michael J. Prayson, MD – Curriculum Vitae

PRESENTATIONS/Regional (Continued)

15. Irrational Nailing: Difficulties with IM Nailing of the Tibia/Femur/**Invited Lecturer**. Presented at the Pennsylvania Orthopaedic Society's Complications and Controversies of Common Procedures, Pittsburgh, Pennsylvania, 2001.
16. Lecture/Lab **Instructor** for the Pittsburgh AO/ASIF ORP Course, Pittsburgh, Pennsylvania, September 6-7, 2002.
17. Pelvic Fracture Management/**Visiting Professor**. Presented in Rochester, New York, January 22, 2003.
18. **Faculty Instructor** for the AO/ASIF Principles of Fracture Management Resident Basic Course, Columbus, Ohio, July 10-13, 2003.
19. Femoral Nonunions. Presented at the Advanced Concepts of Fracture Management Trauma Symposium, Pittsburgh, Pennsylvania, September 5-6, 2003.
20. Humeral Shaft Fractures. Presented at the Advanced Concepts of Fracture Management Trauma Symposium, Pittsburgh, Pennsylvania, September 5-6, 2003.
21. Forearm Fractures. Presented at the Advanced Concepts of Fracture Management Trauma Symposium, Pittsburgh, Pennsylvania, September 5-6, 2003.
22. Proximal Radius Fractures. Presented at the Pennsylvania Trauma Update, Harrisburg, Pennsylvania, September 27, 2003.
23. Acute Fracture Management. Presented at the Regional Symposium for Billing and Coding Professionals, Pittsburgh, Pennsylvania, October 16, 2003.
24. Presenting speaker at the 2nd Annual Trauma 101 Symposium, Covington, Kentucky, April 23-24, 2004.
25. Pelvic Plating: Indications and Techniques/**Visiting Professor**. Presented at the Ohio Orthopaedic Society Annual Meeting, Canton, Ohio, May 7-8, 2004.
26. Distal Femur Fractures: Current Trends/**Visiting Professor**. Presented at the Ohio Orthopaedic Society Annual Meeting, Canton, Ohio, May 7-8, 2004.
27. Treatment Options for Difficult Fractures. Presented at the New Technology Symposium, Cincinnati, Ohio, November 20, 2004.
28. **Faculty**, 3rd Annual Trauma 101 Symposium, Covington, Kentucky, April 29-30, 2005.
29. Baseline Compartment Pressure Measurements in Isolated Lower Extremity Fractures Without Clinical Compartment Syndrome. Presented at the Ohio Orthopaedic Society 66th Annual Meeting, Columbus, Ohio, May 13, 2005. **3rd Place Award**.
30. Time-Dependent Contamination of Opened Sterile Trays. Presented at the Ohio Orthopaedic Society 67th Annual Meeting, Aurora, Ohio, May 12, 2006. **3rd Place Award**.
31. What's New in Orthopaedic Trauma? Presented at the Orthopaedic Trauma Symposium, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, Ohio, June 17, 2006.
32. 5th Annual Trauma 101 Symposium/**Presenting Speaker**, Cincinnati, Ohio, April 27-28, 2007.
33. The Effects of MRI on Surgical Staples. Presented at the Ohio Orthopaedic Society 68th Annual Meeting, Cincinnati, Ohio, May 11, 2007.
34. Use of Ultrasound Bone Stimulation in Fresh Fractures and Nonunions/**Invited Lecturer**. Presented at the Local Orthopaedic Forum, Cincinnati, Ohio, August 29, 2007.
35. A Survey of Patient Opinions Regarding the Use of Reprocessed External Fixation Components. Presented at the Mid-America Orthopaedic Association Annual Meeting, Orlando, Florida, April 16-20, 2008.
36. Time of Exposure to C-arm Drape Contamination. Presented at the Mid-America Orthopaedic Association Annual Meeting, Orlando, Florida, April 16-20, 2008. **Recipient of the Carl L. Nelson, MD Physician in Training Award**.
37. The Effects of MRI on Surgical Staples. Presented at the Mid-America Orthopaedic Association 26th Annual Meeting, Orlando, Florida, April 16-20, 2008.

Michael J. Prayson, MD – Curriculum Vitae

PRESENTATIONS/Regional (Continued)

38. Use of the Reamer-Irrigator-Aspirator for Bone Graft Harvest: A Mechanical Comparison of Three Starting Points in Cadaveric Femurs. Presented at the Ohio Orthopaedic Society 69th Annual Meeting, Columbus, Ohio, May 9, 2008.
39. Interesting Cases in Orthopaedic Trauma. Presented at Trauma Update, Dayton, Ohio, May 16, 2008.

PRESENTATIONS

National

1. Biomechanical Comparison of Fixation Methods in Transverse Olecranon Fractures-A Cadaveric Study. Presented at the American Academy of Orthopaedic Surgeons 64th Annual Meeting, San Francisco, California, February 14, 1997.
2. Mortality in Pediatric Trauma Patients with Pelvic Fractures. Presented at the American Academy of Orthopaedic Surgeons 64th Annual Meeting, San Francisco, California, February 17, 1997.
3. Patella Fractures-What's New in Fixation Methods/**Invited Lecturer**. Presented at the Orthopaedic Trauma Association Update Meeting, Pittsburgh, Pennsylvania, May 16-17, 1997.
4. Tibial Pilon Fractures-Indications and Techniques for ORIF/**Invited Lecturer**. Presented at the Orthopaedic Trauma Association Update Meeting, Pittsburgh, Pennsylvania, May 16-17, 1997.
5. Pediatric Pelvic Fractures-Current Concepts/**Invited Lecturer**. Presented at the Orthopaedic Trauma Association Update Meeting, Pittsburgh, Pennsylvania, May 16-17, 1997.
6. ORIF of the Calcaneus-Exposure/**Invited Lecturer**. Presented at the Orthopaedic Trauma Association Update Meeting, Pittsburgh, Pennsylvania, May 16-17, 1997.
7. Biomechanical Comparison of Fixation Methods in Transverse Patella Fractures/**Invited Lecturer**. Presented at the Orthopaedic Research Society 44th Annual Meeting, New Orleans, Louisiana, March 19, 1998.
8. Management of Foot and Ankle Fractures/**Invited Lecturer**. Presented National Association of Orthopaedic Technologists (NAOT) 16th Annual, Clinical Symposium, Kansas City, Missouri, August 6-8, 1998.
9. Biomechanical Comparison of Endosteal Substitution and Lateral Plate Fixation in Supracondylar Femur Fractures. Presented at the American Academy of Orthopaedic Surgeons 66th Annual Meeting, Anaheim, California, February 6, 1999.
10. Practical Techniques for Improved Fracture Management/**Course Faculty**. Presented at the American Academy of Orthopaedic Surgeons Learning Center, Chicago, Illinois, June 21-23, 2002.
11. Advances in Locked Plating/**Course Director**. Presented in Columbus, Ohio, August 6, 2005.
12. Advances in Locked Plating/**Faculty**. Presented in Las Vegas, Nevada, November 11, 2005.
13. **Faculty Instructor** for the Orthopaedic Trauma Association's Annual Resident Course, Phoenix, Arizona, October 4, 2006.
14. Time-Dependent Contamination of Opened Sterile Trays. Presented at the Orthopaedic Trauma Association 22nd Annual Meeting, Phoenix, Arizona, October 4, 2006.
15. Time-Dependent Contamination of Opened Sterile Trays. Presented at the American Academy of Orthopaedic Surgeons 74th Annual Meeting, San Diego, California, February 15, 2007.
16. A Survey of Patient Opinions Regarding the Use of Reprocessed External Fixation Components. Presented at the Limb Lengthening and Reconstruction Society 17th Annual Meeting, Chicago, Illinois, July 20-22, 2007.
17. Orthopaedic Trauma Association's Annual Resident Course/**Faculty Instructor**, Boston, Massachusetts, October 17, 2007.
18. Exogen Science Summit/**Course Faculty**, Phoenix, Arizona, September 28, 2007.
19. Use of Ultrasound Bone Stimulation in Fresh Fractures and Nonunions/**Invited Lecturer**. Presented in New York, New York, November 8, 2007.

Michael J. Prayson, MD – Curriculum Vitae

PRESENTATIONS/National (Continued)

20. A Biomechanical Evaluation of Cadaveric Femurs after Bone Graft Harvesting with the Reamer/Irrigator/Aspirator. Presented at the Orthopaedic Trauma Association 24th Annual Meeting, Denver, Colorado, October 15-18, 2008.
21. Time of Exposure to C-arm Drape Contamination. Presented at the American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas, Nevada, February 25-28, 2009.
22. Use of the Reamer-Irrigator-Aspirator for Bone Graft Harvest: A Mechanical Comparison of Three Starting Points in Cadaveric Femurs. Presented at the 2008 Society for Engineering Science Annual Technical Meeting, Chicago, IL, Oct 13, 2008.
23. Biomechanical Analysis of a New Locked Plating System for the Proximal Humerus. Presented at the 2008 Society for Engineering Science Annual Technical Meeting, Chicago, IL, Oct 13, 2008.
24. Mechanics of Modern Plate Fixation. Presented at the 2008 Society for Engineering Science Annual Technical Meeting, Chicago, IL, Oct 13, 2008.

PRESENTATIONS

International

1. Tibial Nonunions/**Invited Lecturer**. Presented at State of the Art in Orthopaedics, Whistler, British Columbia, 2001.
2. Failed Fixation about the Humerus/**Invited Lecturer**. Presented at State of the Art in Orthopaedics, Whistler, British Columbia, 2001.
3. Time of Exposure to C-arm Drape Contamination. Presented at the American Orthopaedic Association/Canadian Orthopaedic Association Combined Annual Meeting, Quebec City, Canada, June 4-7, 2008.
4. The Effects of MRI on Surgical Staples. Presented at the American Orthopaedic Association/Canadian Orthopaedic Association Combined Annual Meeting, Quebec City, Canada, June 4-7, 2008.

Posters

1. Combined Internal and External Fixation for Intraarticular Fractures of the Calcaneus. Poster presented at the Orthopaedic Associations of the English Speaking World 9th Combined Meeting, Toronto, Canada, June 1992.
2. Combined Internal and External Fixation for Intraarticular Fractures of the Calcaneus. Poster presented at the Orthopaedic Trauma Association 8th Annual Meeting, Minneapolis, Minnesota, October 1992.
3. The Effect of Heat Sterilization on the Torsional Strength of Bone. Poster presented at the European and American Musculoskeletal Tumor Society Annual Combined Meeting, Boston, Massachusetts, October 1992.
4. The Effect of Heat Sterilization on the Torsional Strength of Bone. Poster presented at the American Academy of Orthopaedic Surgeons 60th Annual Meeting, San Francisco, California, February 1993.
5. Anatomical Investigation of the Posterior Compartments of the Leg. Poster presented at the American Academy of Orthopaedic Surgeons 62nd Annual Meeting, Orlando, Florida, 1995.
6. Mortality in Pediatric Trauma Patients with Pelvic Fractures. Poster presented at the Orthopaedic Trauma Association 11th Annual Meeting, Tampa, Florida, September 1995.
7. Biomechanical Comparison of Fixation Methods in Transverse Olecranon Fractures: A Cadaveric Study. Poster presented at the Orthopaedic Research Society 43rd Annual Meeting, San Francisco, California, February 11, 1997.
8. Biomechanical Comparison of Fixation Methods in Transverse Olecranon Fractures: A Cadaveric Study. Poster presented at the American Academy of Orthopaedic Surgeons 64th Annual Meeting, San Francisco, California, February 14, 1997

Michael J. Prayson, MD – Curriculum Vitae

PRESENTATIONS/Posters(Continued)

9. Biomechanical Comparison of Endosteal Substitution and Lateral Plate Fixation in Supracondylar Femur Fractures. Poster presented at the American Academy of Orthopaedic Surgeons 66th Annual Meeting, Anaheim, California, February 4, 1999.
10. Iliosacral Screw Placement - A CT Analysis and Cadaveric Study. Poster presented at the Orthopaedic Trauma Association 15th Annual Meeting, Charlotte, North Carolina, October 1999.
11. Baseline Compartment Pressure Measurements in Isolated Lower Extremity Fractures Without Clinical Compartment Syndrome. Poster presented at the Orthopaedic Trauma Association 20th Annual Meeting, Fort Lauderdale, Florida, October 2004.
12. Risk of Injury to Anterior Neurovascular Structures During Tension Band Wiring of Olecranon Fractures: A Magnetic Resonance Imaging Analysis. Poster presented at the Orthopaedic Trauma Association 20th Annual Meeting, Fort Lauderdale, Florida, October 2004.
13. Does Open Reduction Increase the Chance of Infection During Nailing of Closed Tibia Shaft Fractures? Poster presented at the Orthopaedic Trauma Association 20th Annual Meeting, Fort Lauderdale, Florida, October 2004.
14. Risk of Injury to Anterior Neurovascular Structures During Tension Band Wiring of Olecranon Fractures: A Magnetic Resonance Imaging Analysis. Poster presented at the American Academy of Orthopaedic Surgeons 72nd Annual Meeting, Washington, DC, February 2005.
15. Time-Dependent Contamination of Opened Sterile Trays. Poster presented at the Orthopaedic Trauma Association 22nd Annual Meeting, Phoenix, Arizona, October 5-7, 2006.
16. An Overview of the Locking Compression Plate. Poster presented at the Cleveland Midwest Biomedical Engineering Conference, Cleveland, Ohio, February 2007.
17. A Survey of Patient Opinions Regarding the Use of Reprocessed External Fixation Components. Poster presented at the Orthopaedic Trauma Association 23rd Annual Meeting, Boston, Massachusetts, October 18-20, 2007.
18. Time of Exposure to C-arm Drape Contamination. Poster presented at the American Academy of Orthopaedic Surgeons 75th Annual Meeting, San Francisco, California, March 5-9, 2008.
19. A Survey of Patient Opinions Regarding the Use of Reprocessed External Fixation Components. Poster presented at the American Orthopaedic Association and Canadian Orthopaedic Association Combined Annual Meeting, Quebec City, Canada, June 4-7, 2008.
20. Time of Exposure to C-arm Drape Contamination. Poster presented at the Orthopaedic Trauma Association 24th Annual Meeting, Denver, Colorado, October 15-18, 2008.

GRAND ROUNDS AND OTHER LOCAL PRESENTATIONS

1. Bony Injuries to the Ankle and Foot/**Invited Lecturer**. Fifth Annual Functional Approach to Primary Care of Sports Medicine, Akron, Ohio, December 5, 1998.
2. Pelvic and Lower Extremity Trauma. **Grand Rounds**, Department of Emergency Medicine, Akron General Medical Center, Akron, Ohio, January 5, 1999.
3. Pelvic Plating. **Trauma Update** 2004, Dayton, Ohio, May 21, 2004.
4. Supracondylar Femur Fractures: Evolution of Treatment. **Visiting Professor/Grand Rounds**, Northwestern University, Chicago, Illinois, January 28, 2005.
5. Time-Dependent Contamination of Opened Sterile Trays. Resident Research Competition, Miami Valley Hospital, April 2007. **2nd Place Award**.
6. Open Fracture Management. **Grand Rounds**, Department of Anesthesiology, Miami Valley Hospital, Dayton, Ohio, March 12, 2008.
7. Pelvic Ring Injuries. **Grand Rounds**, Department of Surgery, Wright State University Boonshoft School of Medicine & Miami Valley Hospital; Dayton, Ohio, May 21, 2008.

Michael J. Prayson, MD – Curriculum Vitae

GRANTS AND CONTRACTS

1. Smith & Nephew Unrestricted Grant: \$150,000 (2005 thru 2006)
2. Synthes Unrestricted Grant: \$50,000 (2005)
3. Synthes Unrestricted Grant: \$25,000 (2006)
4. MVH Foundation Departmental Grant: \$2,000 (2005-2006)
5. I-Flow Clinical Research Grant: \$2,000 (2005-2006)
6. Biomet Research Grant: \$42,250 (2006-2007)
7. AORN Research Grant: \$6,260 (2005-2006)
8. WSU Seed Grant: \$9,744 (2006)
9. OTA Grant: \$10,000 (2007)
10. OTA Grant: \$10,000 (2007)
11. Synthes Unrestricted Grant: \$25,000 (2007)
12. Synthes Research Grant: \$11,400 (2007)
13. DAGMEC Grant: \$2,000 (2007)
14. Canica Research Grant: \$3,000 (2007)
15. OTA Grant: \$10,000 (2008)
16. Synthes Unrestricted Grant: \$40,000 (submitted 2008)
17. Smith and Nephew Educational Grant: \$83,300 (2008)
18. DAGMEC Grant: \$2,500 (2008)
19. DAGMEC Grant: \$1500 (2008)

Current Research Interests/Projects

1. Supracondylar femur fractures – biomechanical analysis of locking screw placement
2. Dynamic wound closure in traumatic extremity wounds
3. Biomechanical analysis of fracture risk in long vs. short hip nails
4. Supracondylar femur fractures – effect of medial fragment stabilization on healing
5. Analysis of direct fixation of marginally impacted pieces in posterior wall acetabulum fractures
6. Sterilization procedures – C-arm covers
7. Proximal humerus fractures – biomechanical analysis of plating alternatives in proximal humerus fractures
8. Pain pumps use in isolated simple fractures
9. Reamer-Irrigator-Aspirator
10. External fixation reusage – survey of patient's perception on reusage
11. MRI scanning and staples
12. Comparison of different fixation methods for distal extraarticular tibia fractures
13. Ion levels after insertion of trauma implants
14. Use of Aquacel with external fixation pin sites
15. Biomechanics of allograft after varying freeze-thaw cycles
16. Analysis of the lateral condylar plate for distal humerus stabilization

Michael J. Prayson, MD – Curriculum Vitae

Other Research

Principal Investigator for Dayton, OH area (Miami Valley Hospital) site participation in multi-center randomized controlled orthopaedic investigations:

1. FAITH (Fixation Using Alternative Implants for the Treatment of Hip Fractures)
2. TRUST (Trial to Re-evaluate Ultrasound in the Treatment of Tibial Fractures)
3. COAST (Collaboration for Outcome Assessment in Surgical Trials)
BOFF (Blinding of Outcomes in Femoral Neck Fractures)
4. CLARITY

COURSE ATTENDANCE (Educational)

1. 3rd Annual Trauma 101 Symposium - Covington, KY; April 29-20, 2005 (faculty, CME)
2. Ohio Orthopaedic Society – Columbus, OH; May, 2005 (podium presentation, CME)
3. Advances in External Fixation - Miami, FL; September 2005 (educational)
4. OTA annual meeting - Ottawa, Ontario, Canada; October 2005 (CME)
5. Advances in Locked Plating – Columbus, OH; Aug, 2005 (course director)
6. Advances in Locked Plating – Las Vegas, NV; Nov, 2005 (faculty)
7. AAOS 73rd annual meeting - Chicago, IL, March 22-26, 2006 (CME)
8. Premier Health Partners Physician Leadership Seminar (Phase I)/**By Invitation** - Covington, Kentucky; May 7-9, 2006 (CME)
9. Ohio Orthopaedic Society – Aurora, OH; May 11-13, 2006 (podium presentation, CME)
10. Wright State University's dept of Orthopaedic Surgery Trauma Symposium – Dayton, OH; June 17, 2006 (symposium director, podium presentation, CME)
11. Premier Health Partners Physician Leadership Seminar (Phase II)/**By Invitation** - Covington, Kentucky; September 10-12, 2006 (CME)
12. OTA annual meeting – Phoenix, AZ; Oct, 2006 (faculty, podium presentation, poster, CME)
13. Essentials of External Fixation - New York, NY; November 10-12, 2006 (educational)
14. AAOS 74th annual meeting – San Diego, CA; Feb 14-18, 2007 (podium presentation, CME)
15. 5th annual Trauma 101 Symposium – Cincinnati, OH; April 27-28, 2007 (faculty, CME)
16. Ohio Orthopaedic Society – Cincinnati, OH; May, 2007 (podium presentation, CME)
17. Science Summit – Phoenix, AZ; Sept 28, 2007 (faculty)
18. OTA annual meeting – Boston, MA; Oct 17-20; 2007 (faculty, poster, CME)
19. AAOS 75th annual meeting – San Francisco, CA; March 5-9, 2008 (poster, CME)
20. Mid-America Orthopaedic Association annual meeting – Orlando, FL; April 16-20, 2008 (podium presentations)
21. AAOS Workshop: Clinician-Patient Communication to Enhance Health Outcomes - Dayton, Ohio; May 5, 2008 (CME)
22. Ohio Orthopaedic Society – Columbus, OH; May 9, 2008 (podium presentation, CME)
23. American Orthopaedic Association annual meeting – Quebec City, Quebec, Canada; June 4-7, 2008 (member induction, podium presentations, poster, CME)
24. OTA annual meeting – Denver, CO; Oct 15-18, 2008 (faculty, podium presentation, poster, CME)

Michael J. Prayson, MD – Curriculum Vitae

SERVICE AND ACADEMIC OUTREACH

Committee Service

University Committee

	<u>Position</u>	<u>Date</u>
Wright State University, Dayton, Ohio		
Biomedical Engineering	Member	2006
Orthopaedic Selection Committee		
Device Development Center	Participant	2007
PhD in Engineering Program	Program Faculty	2007-Present

School of Medicine Committee

	<u>Position</u>	<u>Date</u>
Wright State University		
Boonshoft School of Medicine, Dayton, Ohio		
MD/PhD Program	Faculty	2007
Development Committee	Member	2007
Planning Committee	Member	2007

Department Committee

	<u>Position</u>	<u>Date</u>
Wright State University		
Boonshoft School of Medicine		
Department of Orthopaedic Surgery,		
Sports Medicine & Rehabilitation		
Research Committee	Member	2004-Present
	Chair	2006-2008
Finance Subcommittee	Chair	2008-Present
Promotion Subcommittee	Member	2008-Present
Research Subcommittee	Member	2008-Present
Directors of Education (DAGMEC)	Member	2008-Present
Graduate Medical Education Committee (DAGMEC)	Member	2008-Present

Medical Staff Committee

	<u>Position</u>	<u>Date</u>
Akron General Medical Center, Akron, Ohio		
Medical Records Committee	Member	1992-1993
Truman Medical Center, Kansas City, Missouri		
Credentials Committee	Member	1996-1998
Miami Valley Hospital, Dayton, Ohio		
Sedation Committee	Member	2004-Present
Trauma Committee	Member	2004-Present
Resident Research Paper Contest	Reviewer	2005
Section of Orthopaedic Trauma	Organized Section	2008
	Chair	2008-2010
Trauma Joint Practice Committee	Member	2008-Present

Michael J. Prayson, MD – Curriculum Vitae

Medical Staff Committee

	<u>Position</u>	<u>Date</u>
University of Pittsburgh Medical Center Pittsburgh, Pennsylvania Orthopaedic Patient Safety Committee	Member	2002-2004

Medical Staff Appointments

<u>Institution</u>	<u>Position</u>	<u>Date</u>
Truman Medical Center	Active Medical Staff	1996-1998
Akron General Medical Center	Active Medical Staff	1998-1999
University of Pittsburgh Medical Center	Active Medical Staff	1999-2004
Far Hills Surgical Center, Dayton, Ohio	Active Staff	2004-2006
Miami Valley Hospital, Dayton, Ohio	Active Medical Staff	2004-Present
	Director of Orthopaedic Trauma	2004-Present
	Director of Medical/Surgical Clinic	2004-Present
VA Medical Center, Dayton, Ohio	Consulting Staff	2004-Present

Other Professional Service

<u>Institution</u>	<u>Position</u>	<u>Date</u>
The Journal of Trauma: Injury, Infection and Critical Care	Orthopaedic Manuscripts Section Reviewer	1996-Present
Pennsylvania Orthopaedic Society 2001 Annual Meeting	Co-Chair	2001
Pennsylvania Trauma Systems Foundation Board of Directors	Member	2000-2003
By-Laws Committee	Chair	2002-2003
Executive Committee	Member	2000-2003
University of Pittsburgh Physicians Pittsburgh, Pennsylvania Patient Satisfaction Committee	Member	2001-2004
Wright State Physicians, Inc., Dayton, Ohio Executive Board	Member	2005-Present

Clinical Practice

<u>Institution</u>	<u>Position</u>	<u>Date</u>
Northern Ohio Orthopaedic Associates	Staff Physician	1998-1999
University of Pittsburgh Physicians	Staff Physician	1999-2004
Wright State Physicians, Inc.	Director of Orthopaedic Trauma	2004-Present

Community Service

	<u>Status</u>	<u>Date</u>
Centerville Football	Assistant Coach	2007-Present
Junior Lady Knights Basketball	Assistant Coach	2007-2008