

## CURRICULUM VITAE

### Richard Thomas Laughlin, M.D.

Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation  
Wright State University Boonshoft School of Medicine  
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#### EDUCATION

<u>Institution</u>	<u>Concentration</u>	<u>Degree/Date</u>
Robert E. Lee High School, Houston, TX	General	Diploma, 1980
University of Notre Dame, Notre Dame, IN	Philosophy/ Professional	B.A., 1984
Texas Tech University, Lubbock, TX	Sports Medicine/Highest Honors	M.S., 1986
<b>Master Thesis:</b> "The Effect of Lateral Knee Bracing on Valgus Laxity at the Knee Joint"		
Advisors Burkhart W, Yost R.		
Texas Tech University Health Sciences Center Lubbock and El Paso, TX	Medicine	M.D., 1988

#### POSTGRADUATE EDUCATION

<u>Description</u>	<u>Date</u>
<b>General Surgery Internship</b> Department of Surgery Southern Illinois University School of Medicine, Springfield, IL 62794 Chairman: Alan G. Birtch, M.D.	1988-1989
<b>Orthopaedic Surgery Residency</b> Division of Orthopaedics & Rehabilitation Southern Illinois University School of Medicine, Springfield, IL 62794 Chairman: E. Shannon Stauffer, M.D.	1989-1993
<b>Orthopaedic Surgery and Rehabilitation Rotation (Elective)</b> Rancho Los Amigos Medical Center, Downey, CA 90242 Director: John Hsu, M.D.	Jan-June 1991
<b>E. Burke Evans Foot &amp; Ankle/Infection Fellowship</b> University of Texas Medical Branch, Galveston, TX 77555 Director: Jason H. Calhoun, M.D.	1993-1994
<b>AO/ASIF Fellowship – Foot &amp; Ankle Trauma/Reconstruction</b> Harborview Medical Center/University of Washington, Seattle, WA 98104 Director: S.T. Hansen, Jr., M.D.	Aug-Sept 2001

**ACADEMIC EXPERIENCE**

<u>Institution</u>	<u>Position</u>	<u>Date</u>
<b>Texas Tech University Health Science Center</b> Department of Anatomy School of Allied Health 3601 4 <sup>th</sup> Street, Lubbock, TX 79430	Teaching Assistant	1985-1986
<b>Wright State University Boonshoft School of Medicine</b> <i>Department of Orthopaedic Surgery,</i> <i>Sports Medicine &amp; Rehabilitation</i> 30 E. Apple Street, Suite 2200, Dayton, OH 45409	Assistant Professor	1994-1998
	Associate Professor	1998-2009
	Residency Program Director	2004-2010
	Chair	2008-Present
	Professor	2009-Present
<b>Wright State University Graduate School</b> 3640 Colonel Glenn Hwy Dayton, OH 45435-0001	Candidate Mentor	1995-2011
	Graduate Faculty	2011-Present

**BOARD CERTIFICATION**

American Board of Orthopaedic Surgery – Certification	1996-2006
American Board of Orthopaedic Surgery – Recertification	2006-2016

**MEDICAL LICENSE**

<u>State</u>	<u>License #</u>	<u>Date</u>	<u>Status</u>
Illinois	036-083051	1991-Present	Inactive
Ohio	35.066979	1994-Present	Active
Texas	H6369	1989-1996	Expired

**OTHER CERTIFICATION**

FLEX	1988
Advanced Trauma Life Support (ATLS) Provider Certification	1989
OssaTron/Orthotripsy (ESWT)	2001-Present
Advanced Trauma Life Support (ATLS) Instructor, Recertified 2006	2002-Present

**PROFESSIONAL EXPERIENCE**

<u>Institution</u>	<u>Position</u>	<u>Date</u>
<b>University of Texas Medical Branch</b> 301 University Blvd, Galveston, TX 77755	ATLS Instructor	1994
<b>Miami Valley Hospital</b> One Wyoming Street, Dayton, OH 45409	<b>Co-Director</b> , Foot & Ankle Center	1994-2011
	<b>Director</b> , Foot & Ankle Center	2008-Present
	ATLS Instructor	1996-Present
<b>AO North America</b> 1700 Russell Road, Paoli, PA 19301	Faculty	2004-Present

**PROFESSIONAL MEMBERSHIP**

**International**

<u>Association</u>	<u>Status</u>	<u>Date</u>
AO North America	Member	2002-Present
Alumni Association	Faculty	2004-Present

**National**

<u>Association</u>	<u>Status</u>	<u>Date</u>
Alpha Omega Alpha Medical Honor Society	Member	2003-Present
American Academy of Orthopaedic Surgeons	Candidate Member	1992-1996
	Fellow	1997-Present
American College of Surgeons	Candidate Member	1992-2000
	Fellow	1992-Present
American Medical Association	Member	1997-2010
American Orthopaedic Association	Member	2007-Present
Council of Orthopaedic Residency Directors	Member	2009-Present
American Orthopaedic Foot & Ankle Society (AOFAS)	Member	1997-Present
AOFAS Post-Graduate Education and Training Committee	Member	2007-2010
AOFAS Resident Lecture Series Subcommittee	Member	2011-Present
Orthopaedic Trauma Association	Member	1998-Present
Pedorthic Footwear Association	Member	1999-Present

**Regional**

<u>Association</u>	<u>Status</u>	<u>Date</u>
G.W.N. Eggers Society	Member	1994-Present
Mid-America Orthopaedic Association	Member	2000-Present
Program Committee	Member	2007-2010
Program Committee	<b>Chair</b>	2008-2009
Membership Committee	Member	2008-2011
Membership Committee	<b>Chair</b>	2010-2011
Education Committee	Member	2011-2014
Notre Dame Orthopaedic Society	Member	1994-Present
Ohio Orthopaedic Society	Member	1997-Present
Southern Illinois University	Member	1993-Present
Orthopaedic Alumni Association		
Texas Medical Association	Member	1984-1988
Vernon Nickel-Rancho Los Amigos Alumni Association	Member	1992-Present

**PROFESSIONAL MEMBERSHIP (Continued)**

**Local**

<u>Association</u>	<u>Status</u>	<u>Date</u>
Dayton Orthopaedic Society	Member	1994-Present
	<b>Director</b>	1997-2007
Montgomery County Medical Society	Member	1997-Present
Wright State University Heritage Society	Member	2006-Present

**PROFESSIONAL AWARDS**

<u>Award Title</u>	<u>Granting Association</u>	<u>Date</u>
Conoco Scholarship	Conoco	1980
Resident Teaching Award	WSUBSOM Department of Orthopaedic Surgery	1997
Resident Teaching Award	WSUBSOM Department of Orthopaedic Surgery	1998
Golden Crutch Award	WSUBSOM Department of Orthopaedic Surgery	1999
Outstanding Achievement in Medical Education & Research (Sr. Faculty)	WSUBSOM Academy of Medicine	2000
First Place, Meyerding Essay Contest	American Fracture Association	2000
Resident Teaching Award	WSUBSOM Department of Orthopaedic Surgery	2000
Nominated and Awarded Membership	Alpha Omega Alpha Medical Honor Society	2003
Resident Teaching Award	WSUBSOM Department of Orthopaedic Surgery	2003
Second Place, Resident Research Paper Contest	Miami Valley Hospital	2006
Nominated and Awarded Membership	American Orthopaedic Association	2007
Carl Nelson Research Award	Mid-America Orthopaedic Association	2008
Teaching Excellence Award	WSUBSOM Department of Orthopaedic Surgery	2011

**TEACHING**

**Miami Valley Hospital Student Preceptor Program – College Students (Undergraduate)**

<u>Course</u>	<u>Date</u>
Preceptor for high school and college students interested in orthopaedics	1994-Present
David Wenzke – Foot and Ankle Orthotics	1997
Ben Kleinhenz	2002, 2003

**Wright State University College of Engineering and Computer Science  
Department of Bioengineering (Undergraduate)**

<u>Course</u>	<u>Date</u>
Senior Design Project – Shawn Gargac and Ashkahn Goshani Design of a Total Ankle Replacement	2007-2009

**TEACHING (Continued)**

**Wright State University College of Health, Physical Education, and Recreation (Undergraduate)**

<u>Course</u>	<u>Date</u>
Athletic Training Program – Upper Level Course/ <b>Lecturer</b>	2003-Present

**Wright State University Boonshoft School of Medicine (Undergraduate Medical)**

<u>Course</u>	<u>Date</u>
MS3 Surgery Rotation – Orthopaedics/ <b>Lecturer</b>	1994-1999
MS4 Orthopaedic Surgery/Neurology – <b>Lecturer</b>	1994-1999
MS2, MS3, MS4 Clinical Rotations/ <b>Preceptor</b>	1994-Present
Medical Students Pursuing Orthopaedics/ <b>Advisor</b>	1995-Present
<ul style="list-style-type: none"><li>• Piero Capeci (1996)</li><li>• William McDonald, Brian Moran (1997)</li><li>• James Kerpsack, Tim Moore, Scott Zimmer, James Delocello (1998)</li><li>• Jeff Kovacic (1999)</li><li>• Mike Herbenick (2000)</li><li>• Jim Rosneck (2001)</li><li>• Marlo Oyster, Jerry Ahluwalia (2003)</li><li>• William Abouhassan, David Foulk, Karl Siebuhr (2004)</li><li>• Tim Miller (2005)</li><li>• Kenny Edwards, Jon Gant, Mike Grieser, Kavita Iyengar (2006) Matt Jones, Steve Parada, Mike Riggerbach</li><li>• Abdul Baker, Carrie DeHoff, Jon Gozdanovic, Matt Hess (2007) Paul Lagler, Michael Mariscalco, John West</li><li>• Justin Mistovich, Kyle Randall (2008)</li><li>• Jon Chae, Brian Imbrogno, Jimmy Lyons, Chris Redman (2009) Brandi Schoonover</li><li>• Erin Ely, Matt Johansen, Sylvester Youlou (2010)</li><li>• Matthew Binkley, Jake Deister, Jonathan Slaughter, Chris Warrell (2011)</li><li>• Andrew Burleson, Kelly Roshon Estes (2012)</li><li>• Ryan Hamilton, Julie Han, Dan Luckenbill, Jonathan Silverman (2013) Alan McGee Jr, Peter Shorten</li><li>• Mark Gelpi, Kim Grannis, Kevin Magone, Pete Shorten, Chadwick Garner (2014)</li><li>• Jeffrey Reeves (2015)</li></ul>	
Introduction to Clinical Medicine – Orthopaedics	1998-Present
MS4 Subinternship – Orthopaedics	2000-Present
<b>Director</b>	2000-2006
MS2 Musculoskeletal Organ System	2000-2004
Orthopaedic Portion/ <b>Director</b>	
MS3 – Orthopaedics/ <b>Clerkship Director</b>	2000-2004

**TEACHING (Continued)**

**Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation (Graduate Medical)**

<u>Course</u>	<u>Date</u>
Resident Curriculum Schedule	1994-2000
Bi-monthly Foot & Ankle X-ray Review	1994-Present
Monthly Journal Club	1994-Present
Monthly Trauma X-ray Review	1994-Present
Orthopaedic In-Training Exam Review/Foot & Ankle	1994-Present
Resident Research Projects – <b>Mentor</b>	1994-Present
• Fred Reeve (1994)	
• Greg Reveal (1995)	
• Matthew Lawless (1995-1996)	
• James Hartson, Mike Welker (1996)	
• William Vitello (1997-1998)	
• Aaron Buerk (1999-2001)	
• Joe Rubino (2000-2001)	
• Barry McDonough (2001-2002)	
• Dominic Sprott (2002-2003)	
• Matthew Gorman, Nicholas Grisoni (2003)	
• Martin Janout, Robert Mitchell (2003-2004)	
• Jerry Ahluwalia, Karl Siebuhr (2004)	
• Branyan Booth (2004-2006)	
• Paul Sensiba (2005-2006)	
• Manny Konstantakos, Nate Williams (2006-2008)	
• Orthopaedic Trauma Research Fellow/Indresh Venkatarayappa, MD (2006-2008)	
• Mike Iossi, Paul Peters (2007-2008)	
• Mike Coffey, Mark Stouffer (2008-2009)	
• Chris Gayton, Jason Vourazeris (2009-2010)	
• Elizabeth Dulaney-Cripe, David Nelles (2010-2011)	
• Ryan Rieser, Matthew Ross (2011-2012)	
• Joe Cox, Jed May (2012-2013)	
• Chad Williams, Roman Trimba (2013-2014)	
• Jake Deister, Matt Cavo (2013-2014)	
Weekly Grand Rounds Presentations	1994-Present

**Department of Geriatrics (Post Graduate)**

<u>Course</u>	<u>Date</u>
Geriatrics Fellowship Faculty	2007-Present

**TEACHING (Continued)**

**Wright State University Graduate School**

<u>Course</u>	<u>Date</u>
Bill Billotte	1995-1996
Thesis Advisor to Bryan Jones – “Analysis of Hybrid External Fixators”	1999-2000
Thesis Advisor to Johanna Bell – “Quantification of Motion between the Tibia and Fibula in Below Knee Amputations”	2005-2006
Ph.D. Dissertation Advisor to Amy R. Bierce – “Determining the Presence or Absence of a Pre-fall Change in Sway”	2006
Junitha Michael – Total Ankle Replacement Bioengineering – Masters Degree Non-Thesis	2006-2009
Shawn Gargac – Total Ankle Replacement – PhD Advisor	2007-2009
Amy Sipp – A System for Determining the Existence of a Pre-Fall Change in Sway Dissertation Committee (PhD)	2008
Greg Gould – Biomechanical Analysis of the Acromioclavicular Joint – Masters Degree Non-Thesis	2009-2011
Dishita Patel – Influence of Design Parameters on Cup-Stem Orientations for Impingement Free Range of Motion in Hip Implants – Masters Thesis	2010-2011
Mbulelo Makola – Development of Cervical Spine Model for the Study of Biomechanical Behavior – Masters Thesis	2011
Alyssa George-Whitney – A Biomechanical Evaluation of Femurs Fixated with Cephalomedullary Nails	2011-2012
Bradley Jay Elliott – Optimization of WSU Total Ankle Replacement Systems – Masters Thesis	2012
Dinesh Gundapaneni – Computational Simulations of Biomechanical Kinematics in WSU Total Ankle Replacement Systems - Dissertation Committee	2013-2014

**Wright State University – School of Nursing**

<u>Course</u>	<u>Date</u>
Thesis Advisor to Kathryn Lindbergh – “Patterns of Use of Motorcycle Helmets”	1999

**Continuing Medical Education**

<u>Course</u>	<u>Institution</u>	<u>Date</u>
ATLS – <b>Instructor</b>	American College of Surgeons	1994-Present
Adult Reconstruction Symposium – <b>Director</b>	Miami Valley Hospital	August 1997
Foot and Ankle Symposium – <b>Director</b>	Miami Valley Hospital	October 1997
Shoulder Symposium – <b>Director</b>	Miami Valley Hospital	January 1998
Orthopaedic Trauma Symposium – <b>Director</b>	Miami Valley Hospital	April 1998
Annual Meeting Scientific Program – <b>Chairman</b>	Ohio Orthopaedic Society	May 1999
Pediatric Fractures Symposium – <b>Director</b>	Miami Valley Hospital	June 1999
Upper Extremity Nerve Injuries – <b>Director</b>	Miami Valley Hospital	September 1999
The Adult Knee – <b>Director</b>	Dayton Orthopaedic Society	April 2001
A 21 <sup>st</sup> Century Approach to Fracture Care – <b>Director</b>	Miami Valley Hospital	March 2002
AO Basic Fracture Course – <b>Chairman</b> For Nurses and Operating Room Personnel	Miami Valley Hospital	April 2002
Foot and Ankle Symposium – <b>Director</b>	Dayton Orthopaedic Society	March 2003

**TEACHING/Continuing Medical Education (Continued)**

<u>Course</u>		<u>Date</u>
AO Operating Room Personnel Course – <b>Director</b>	Miami Valley Hospital	May 2004
Basic Principles of Orthotics and – <b>Director</b>	Elizabeth Place, Dayton, OH	April 2005
Prosthetics Course		
2 <sup>nd</sup> Annual Orthotics & Prosthetics Course – <b>Director</b>	Elizabeth Place, Dayton, OH	February 2006
Foot and Ankle Symposium	Dayton Orthopaedic Society	September 2006
3 <sup>rd</sup> Annual Orthotics & Prosthetics Course – <b>Director</b>	Miami Valley Hospital	March 2007
Fall Visiting Professor Planning Committee	Dayton Orthopaedic Society	September 2007
Musculoskeletal Tumor		
4 <sup>th</sup> Annual Orthotics & Prosthetics Course – <b>Director</b>	Miami Valley Hospital	March 2008
Graduation Visiting Professor Planning Committee	Wright State University	June 2008
Joint Reconstruction	Boonshoft School of Medicine	
Annual Prosthetics and Orthopaedic Course– <b>Director</b>	Miami Valley Hospital	April 2014

**PRINTED SCHOLARSHIP**

**Books**

1. Calhoun JH, **Laughlin RT** (eds). *Fractures of the Foot and Ankle*. Boca Raton, FL:Taylor and Francis Group, 2005.

**Articles**

*Peer Reviewed*

1. **Laughlin RT**, Smith KL, Adair DM. Displacement of an uncemented acetabular component after dislocation of a total hip prosthesis. *Journal of Arthroplasty*. 1992;7(3):297-301.
2. **Laughlin RT**, Smith KL, Russell RT, Hayes JM. Functional outcome of Grade III tibia fractures covered with free muscle flaps. *Journal of Orthopaedic Trauma*. 1993;7(2):123-129.
3. **Laughlin RT**, Chambers RB. The Syme amputation in patients with severe diabetes mellitus. *Foot and Ankle*. 1993;14(2):65-70.
4. **Laughlin RT**, Calhoun JH, Mader JT. The diabetic foot. *JAAOS*. 1995;3(4):218-225.
5. Fisk JR, Peterson HA, **Laughlin RT**, Lutz R. Spontaneous fusion following subcutaneous instrumentation for scoliosis. *Journal of Pediatric Orthopaedics*. 1995;15:182-186.
6. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. *Foot and Ankle International*. 1996;17(2):71-78.
7. Wright DG, Taitsman LP, **Laughlin RT**. Pelvic and bladder trauma: A case report and subject review. *Journal of Orthopaedic Trauma*. 1996;10(5):351-354.
8. **Laughlin RT**, Werries BA, Verhulst SJ, Hayes JM. Patellar tilt in total knee arthroplasty. *American Journal of Orthopaedics*. 1996;25(4):300-304.
9. Wright DG, **Laughlin RT**, Uddin DE, McCarthy M. The functional outcome of bilateral calcaneus fractures. *Surgical Forum*. 1996;XLVII:606-609.
10. Lawless MW, Wright DG, **Laughlin RT**, Lemmon GW, Rigano W. Massive injuries to the pelvis treated with amputation. *Journal of Trauma*. 1997;42(6):1169-75.
11. Reeve F, **Laughlin RT**, Wright DG. Endoscopic plantar fascia release: An anatomic study of structures at risk. *Foot and Ankle International*. 1997;18(7):398-401.
12. **Laughlin RT**, Reeve F, Wright DG, Mader JT, Calhoun JH. Calcaneal osteomyelitis secondary to nail puncture wounds. *Foot and Ankle International*. 1997;18(9):575-577.

**PRINTED SCHOLARSHIP/Articles/Peer Reviewed (Continued)**

13. Lawless MW, **Laughlin RT**. Cutaneous innervation of the medial dorsal aspect of the first toe: An anatomic study. *Foot and Ankle Surgery*. 1998;4:119-121.
14. **Laughlin RT**, Mader JT, Calhoun JH, Foad A. Calcaneal osteomyelitis: An analysis of aetiology and pathogenic organisms. *Foot and Ankle Surgery*. 1999;5:171-177.
15. Lawless MW, **Laughlin RT**, Kerpsack JM, Pisut D. Tobramycin elution from bone substitute. *Journal of Musculoskeletal Research*. 2000;4(2):129-134.
16. Reveal GT, **Laughlin RT**, Capecci P, Reeve FM. Foot and ankle survey in adults with diabetes mellitus. *Foot and Ankle International*. 2001;22(9):739-743.
17. Lawless MW, Reveal GT, **Laughlin RT**. Foot pressures during gait: A comparison of techniques for reducing pressure points. *Foot and Ankle International*. 2001;22(7):594-597.
18. Gorman M, Ahluwalia G, **Laughlin RT**. Subtalar dislocation following ankle fusion: A report of three cases. *Foot and Ankle International*. 2005;26(8):656-659.
19. **Laughlin RT**, Benirshke S, Buckley R. Case controversy: Calcaneal fractures—To fix or not to fix. *Journal of Orthopaedic Trauma*. 2005;19(5):356-359.
20. Konstantakos EK, **Laughlin RT**, Markert RJ, Crosby LA. Follow-up on misrepresentation of research activity by orthopaedic residency applicants: Has anything changed? *J Bone Joint Surg Am*. 2007;89-A(9):2084-2088.
21. Konstantakos EK, Dalstrom DJ, Nelles ME, **Laughlin RT**, Prayson MJ. Diagnosis and management of extremity compartment syndromes: An orthopaedic perspective. *The American Surgeon*. 2007;73(12):1199-1209.
22. Konstantakos EK, Miller S, Dalstrom DJ, Shapiro M, **Laughlin RT**. Uniplanar external fixation for care of circumferential extremity burn wounds in adults. *Journal of Burn Care and Research*. 2007;28(6):892-896.
23. Grisoni N, Foulk D, Sprott D, **Laughlin RT**. Simultaneous bilateral hip fractures in a Level I trauma center. *Journal of Trauma*. 2008;65(1):132-135.
24. Hess M, Booth BA, **Laughlin RT**. Calcaneal avulsion fractures: Complications from delayed treatment. *The American Journal of Emergency Medicine*. 2008;26(2):254.e1-254.e4.
25. Randall KL, Booth BA, Miller AJ, Russell CB, **Laughlin RT**. Use of an acellular regenerative tissue matrix in combination with vacuum-assisted closure therapy for treatment of a diabetic foot wound. *The Journal of Foot & Ankle Surgery*. Sept/Oct 2008;47(5):430-433.
26. Trame C, Greene E, Moddeman G, Booth BA, Konstantakos E, Parada S, Siebuhr K, **Laughlin RT**. Correlation of pain scores, analgesic use, and Beck Anxiety Inventory scores during hospitalization in lower extremity amputees. *Open Orthopaedic Journal*. 2008;2:145-150 ([www.bentham.org/open/toorthj/openaccess2.htm](http://www.bentham.org/open/toorthj/openaccess2.htm)).
27. Booth BA, Mistovich RJ, Janout M, Stills HF Jr, **Laughlin RT**. Fatty infiltration of the gastrocnemius after tendo-Achilles lengthening and gastrocnemius recession in a rabbit model. *Foot & Ankle International*. 2009;Aug 30(8):778-82.
28. Ely EE, Konstantakos EK, **Laughlin RT**, Johnson RM, Binski JC. Total dislocation of the talus and the navicular: A case report. *J Orthop Trauma*. 2009 Aug;23(7):546-9.
29. Sensiba PR, Coffey MJ, Williams II NE, Mariscalco M, **Laughlin RT**. Interobserver and intraobserver reliability in the radiographic evaluation of adult flat foot deformity. *Foot & Ankle International*. 2010 Feb;31(2):141-5.
30. Konstantakos EK, **Laughlin RT**, Markert RJ, Crosby LA. Assuring the research competence of orthopaedic graduates. *Journal of Surgical Education*. 2010 May/June;67(3):129-134.
31. **Gayton JC**, Burlinson D, Polenakovik H, **Laughlin RT**. Avascular necrosis of the talus in a HIV-infected patient. *Foot Ankle Int*. 2010 Dec;31(12):1111-4.
32. Estes K, Goswami T, Lawless MW, **Laughlin RT**. ACL injury: biomechanics and prediction model. *Injury*. Submitted August 2011.

**PRINTED SCHOLARSHIP/Articles/Peer Reviewed (Continued)**

33. Dulaney-Cripe E, Hadaway S, Bauman R, Trame C, Smith C, Sillaman B, **Laughlin RT**. A continuous infusion fascia iliaca compartment block in hip fracture patients: a pilot study. *J Clin Med Res*. 2012 Feb;4(1):45-8. Doi: 10.4021/jocmr724w. Epub 2012 Jan 17. PMID: 22383926.
34. Peters PG, **Laughlin RT**, Markert RJ, Nelles DB, Randall KL, Prayson MJ. Timing of C-arm drape contamination. *Surg Infect (Larchmt)*. 2012 Apr;13(2):110-3. doi: 10.1089/sur.2011.054. Epub 2012 Mar 22. PMID: 22439783.
35. Sensiba P, Venkatarayappa I, DeHoff C, Manternach A, **Laughlin RT**, Binski J, Prayson MP. A survey of patient opinion regarding the use of reprocessed external fixator components. Submitted to the *Indian Journal of Orthopaedics*. May 2012.
36. Grannis K, Graham M, **Laughlin RT**, Cox J. Retained internal fixation as a cause for late prosthetic fitting problems in erl transtibial amputation: a case series. Submitted to *Journal of Prosthetics and Orthotics*. April 2013.
37. Rieser GR, Edwards KB, Gould G, Markert R, Goswami T, Rubino LJ III. Distal third clavicle fracture fixation: a biomechanical evaluation of fixation. *Journal of Shoulder & Elbow Surgery*. 2013 June 22;6:848-855. doi: 10.1016/j.jse.2012.08.022
38. Williams CG, Coffey MJ, Shorten P, Lyons JD, **Laughlin RT**. Staged subtalar fusion for severe calcaneus fractures with bone loss. *Open Orthop J*. 2013 Nov 13;7:614-8. Doi: 10.2174/1874325001307010614. eCollection 2013. PMID: 24339843[PubMed]
39. Iossi MF, Konstantakos Ek, Teel DD, Sherwood R, **Laughlin RT**, Duren D. Musculoskeletal function following bariatric surgery. *Obesity Journal*. 2013;21(6):1104-1110.
40. Froehle AW, **Laughlin RT**, Teel DD 2<sup>nd</sup>, Sherwood RJ, Duren DL. Excess body weight loss is associated with nonpathological gait patterns in women 4 to 5 years after bariatric surgery. *Obes Surg*. 2014 Feb;24(2):253-9.
41. Froehle AW, Dollin N, **Laughlin RT**, Teel D, Sherwood R, Duren D., Bariatric surgery: effects on patient gait and function. *Journal of Foot and Ankle Research*. March 2014.  
<http://lermagazine.com/article/bariatric-surgery-effects-on-patient-gait-and-function>
42. Cox JT, Shorten PL, Gould GC, Markert RJ, Barnett MD Jr, **Laughlin RT**. Knotted versus knotless suture bridge repair of the achilles tendon insertion: a biomechanical study. *Am J Sports Med*. 2014 Nov;42(11):2727-33. doi: 10.1177/0363546514549004. Epub 2014 Sep 15.
43. Cavo M, Laughlin RT. Obesity as an independent risk factor in ankle fractures. *JBJS*. Submitted November 2014.
44. DiPaolo ZJ, Ross MS, Laughlin RT, Gould G, Flower K, Kiger L, Markert RJ. Proximal phalanx and flexor digitorum longus tendon biomechanics in flexor to extensor tendon transfer. *Foot Ankle Int*. 2015 Jan 20. pii: 1071100714565927. [Epub ahead of print]
45. Gundapaneni D, Tsatalis JT, Laughlin RT, Goswami T. Wear characteristics of WSU total ankle replacement devices under shear and torsion loads. *J Mech Behav Biomed Mater*. 2015 Apr;44:202-23. doi: 10.1016/j.jmbbm.2014.12.010. Epub 2014 Dec 25.
46. Dundon JM, Trimba R, Bree KJ, Woods CJ, Laughlin RT. Recommendations for perioperative management of patients on existing anticoagulation therapy. *JBJS Reviews*. Revisions submitted April 2015.

**Articles/Non-Peer Reviewed**

1. **Laughlin RT**, Calhoun JH. Use of the ring external fixator in post-traumatic reconstruction of the foot and ankle. *Orthopaedic Clinics of North America*. 1995;26(2):287-294.
2. **Laughlin RT**, Sinha A, Calhoun JH, Mader JT. Osteomyelitis. *Current Opinion in Rheumatology*. 1994;6(4):401-407.
3. **Laughlin RT**, Wright DG. Measures of outcome in foot and ankle surgery. *Current Opinion in Orthopaedics*. 1995;6(3):78-82.

4. **Laughlin RT**, Wright DG, Mader JT, Calhoun JH. Osteomyelitis. *Current Opinion in Rheumatology*. 1995;7(4):315-321.
5. **Laughlin RT**, Hartson JO, Wright DG. Training in foot and ankle surgery. *Current Opinion in Orthopaedics*. 1996;7(3):75-80.
6. Welker MC, **Laughlin RT**. Standard foot and ankle texts. *Current Opinion in Orthopaedics*. 1997;8(3):35-39.

**PRINTED SCHOLARSHIP/Articles/Non-Peer Reviewed (Continued)**

7. Maher L, Calhoun JH, **Laughlin RT**, Mader JT. Osteomyelitis: Diagnosis, staging and management. *Patient Care*. 1998;32(2):93-109.
8. Wenzke D, **Laughlin RT**. Foot and ankle orthotics. *Current Opinion in Orthopaedics*. 1998;9(3):30-36.
9. Kovacic J, **Laughlin RT**. Management of the forefoot in rheumatoid arthritis. *Transactions of the Eggers Society*. 1999;1.
10. **Laughlin RT**, Solomon SN. Training in foot and ankle surgery. *Current Opinion in Orthopaedics*. 1999;11(3):213-217.
11. Buerk A, Vitello W, **Laughlin RT**. Advances in wound healing. *Current Opinion in Orthopaedics*. 2000;11(2):92-98.
12. **Laughlin RT**. Message from the program director. *Orthopaedic News*. 2003-2004/2004-2005:1-2.
13. **Laughlin RT**. Message from the program director. *Orthopaedic News*. 2005-2006:2.
14. **Laughlin RT**. Message from the program director. *Orthopaedic News*. 2006-2007:2.
15. **Laughlin RT**. Message from the chair. *Orthopaedic News*. 2007-2008:1-3.
16. **Laughlin RT**. Message from the Chair. *Joint Ventures*. 2009:1-2 (published 2010).
17. **Laughlin RT**. Message from the Chair. *Joint Ventures*. 2010:1 (published 2011).
18. **Laughlin RT**. Message from the Chair. *Joint Ventures*. 2011:1 (published 2012).
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**Book Chapters**

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**Electronic Journals**

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2. Konstantakos EK, Randall K, **Laughlin RT**. Bunion. *Orthopaedic Textbook*. www.emedicine.com, April 2007 (update of 2001 edition).
3. **Laughlin RT**, Kontantakos, EK, Randall KL. Bunion. eMedicine from WebMD. Updated March 11, 2009. Available at: <http://www.emedicine.com/orthoped/topic467.htm>.
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7. Iossi MF, Konstantakos Ek, Teel DD, Sherwood R, **Laughlin RT**, Duren D. Musculoskeletal function following bariatric surgery. *Obesity Journal*. Published online 13 May 2013. Doi:10.1002/oby.20155.
8. Williams C, **Laughlin RT**. Staged subtalar fusion for severe calcaneus fractures with bone loss. In *Open Orthopaedics Journal*. Volume 7. 2013.

**Abstracts Published in Official Proceedings**

1. Fisk JR, Peterson HA, **Laughlin RT**, Lutz R. Spontaneous fusion following subcutaneous instrumentation for scoliosis. *Orthopaedic Transactions* 1993;17(4).
2. Werries BA, **Laughlin RT**, Verhulst SJ, Hayes JM. Patellar tilt in total knee arthroplasty. *Orthopaedic Transactions*. 1994;18(4):1194.
3. **Laughlin RT**, Carson JG, Calhoun JH. Displaced intra-articular calcaneus fractures treated with the Galveston plate. *Orthopaedic Transactions*. 1995.
4. **Laughlin RT**, Smith KL, Russell RT, Hayes JM. Functional outcome of Grade III tibia fractures covered with free muscle flaps. *Proceedings of the American Academy of Orthopaedic Surgeons, 59<sup>th</sup> Annual Meeting*, 1992.
5. **Laughlin RT**, Chambers RB. The Syme amputation in severed diabetes. *Proceedings of the American Academy of Orthopaedic Surgeons, 59<sup>th</sup> Annual Meeting*, 1992.
6. Fisk JR, Peterson HA, **Laughlin RT**, Lutz R. Spontaneous fusion following subcutaneous instrumentation for scoliosis. *Proceedings of the American Academy of Orthopaedic Surgeons, 60<sup>th</sup> Annual Meeting*, 1993.
7. Calhoun JH, Ledbetter BR, **Laughlin RT**, Anger EM. Mechanism of injury of lawn mower-related foot injuries. *Proceedings of the Southern Medical Association, 87<sup>th</sup> Annual Meeting*, 1993.
8. Calhoun JH, **Laughlin RT**, Anger DM, Ledbetter BR. The Ilizarov external fixator for ankle fusion. *Proceedings of the Southern Medical Association, 87<sup>th</sup> Annual Meeting*, 1993.
9. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. *Proceedings of American Fracture Association 56<sup>th</sup> Annual Meeting*, 1994.
10. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. *Proceedings of the American Orthopaedic Foot & Ankle Summer Meeting*, 1994.
11. Werries BA, **Laughlin RT**, Verhulst SJ, Hayes JM. Patellar tilt in total knee arthroplasty. *Proceedings of the American Academy of Orthopaedic Surgery, 61<sup>st</sup> Annual Meeting*, 1994.
12. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. *Proceedings of the Orthopaedic Trauma Association 10<sup>th</sup> Annual Meeting*, 1994.
13. **Laughlin RT**, Calhoun JH, Mader JT, Foad A. Osteomyelitis of the calcaneus. *Proceedings of the American Orthopaedic Foot & Ankle Society Winter Meeting/Specialty Day*, 1995.

**PRINTED SCHOLARSHIP/Abstracts Published in Official Proceedings (Continued)**

14. Reeve F, **Laughlin RT**, Wright DG. Endoscopic plantar fascia release: An anatomic study of structures at risk. *Proceedings of the American Orthopaedic Foot & Ankle Society Summer Meeting*, 1995.
15. **Laughlin RT**, Simonich S, Calhoun JH, Mader JT, Wright DG. Osteomyelitis of the talus. *Proceedings of the American Orthopaedic Foot & Ankle Society Summer Meeting*, 1995.
16. **Laughlin RT**, Calhoun JH, Mader JT, Foad A. Osteomyelitis of the calcaneus. *Proceedings of the Musculoskeletal Infection Society Annual Meeting*, 1995.
17. **Laughlin RT**, Reeve F, Wright DG. Endoscopic plantar fascia release: An anatomic study of structures at risk. *Proceedings of the Combined Meeting of American, British and European Foot and Ankle Surgical Societies*, 1995.
18. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. *Proceedings of the American Academy of Orthopaedic Surgeons, 62<sup>nd</sup> Annual Meeting*, 1995.
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20. Wright DG, **Laughlin RT**, Billott B, Reynolds DB. Mechanical strength of posterior malleolar fracture fixation. *Proceedings of the Orthopaedic Trauma Association, 11<sup>th</sup> Annual Meeting*, 1995.
21. Wright DG, **Laughlin RT**, Billott B, Reynolds DB. Mechanical testing of a new implant: UHMWPE braided suture. *Proceedings of the Orthopaedic Trauma Association, 11<sup>th</sup> Annual Meeting*, 1995.
22. Wright DG, **Laughlin RT**, Miclan T, Lindsey RW. Post-partum pubic diastasis. *Proceedings of the Orthopaedic Trauma Association, 11<sup>th</sup> Annual Meeting*, 1995.
23. Reveal GT, **Laughlin RT**, Capecci P, Reeve FM, Wright DG. Diabetic foot care survey. *Proceedings of the American Orthopaedic Foot & Ankle Society, 13<sup>th</sup> Annual Meeting*, 1997.
24. Reveal GT, **Laughlin RT**, Capecci P, Reeve FM, Wright DG. Diabetic foot care survey. *Proceedings of the Combined Meeting of the American Orthopaedic Foot & Ankle Society and Japanese Society for Surgery of the Foot*, 1997.
25. Lawless M, **Laughlin RT**. Cutaneous innervation of the medial dorsal aspect of the first toe. *Proceedings of the Combined Meeting of the American Orthopaedic Foot & Ankle Society and the Japanese Society for Surgery of the Foot*, 1997.
26. Reveal GT, Lawless MT, **Laughlin RT**, Dynamic foot pressures measured in normal individuals. *Proceedings of the Combined Meeting of the American Orthopaedic Foot & Ankle Society and Japanese Society for Surgery of the Foot*, 1997.
27. Vitello W, Lawless MW, **Laughlin RT**, Lakatos R. Antegrade vs. retrograde nailing of forward shaft fractures: A functional outcome study. *Proceedings of the American Fracture Association, 61<sup>st</sup> Annual Meeting*, 1999.
28. Vitello W, Lakatos R, **Laughlin RT**. Biomechanics of hybrid external fixators. *Proceedings of American Fracture Association, 62<sup>nd</sup> Annual Meeting*, 2000.
29. Thompson D, **Laughlin RT**. Estimating intramedullary nail length in femur fractures. *Proceedings of the Mid-America Orthopaedic Association, 20<sup>th</sup> Annual Meeting*, 2002.
30. Buerk A, McDonough EB, Oyster M, Kleinhenz B, **Laughlin RT**. Radiographic measurements in the adult flatfoot: Assessment of reliability. *Proceedings of the Mid-America Orthopaedic Association, 22<sup>nd</sup> Annual Meeting*, 2004.
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33. Janout M, Booth BA, Mistovich J, **Laughlin RT**. Fatty infiltration of the gastrocnemius and soleus after achilles tendon lengthening. *Proceedings of the American Orthopaedic Foot & Ankle Society, 22<sup>nd</sup> Annual Summer Meeting*, 2006.

**PRINTED SCHOLARSHIP/Abstracts Published in Official Proceedings (Continued)**

34. Janout M, Booth BA, Mistovich J, **Laughlin RT**. Fatty infiltration of the gastrocnemius and soleus after achilles tendon lengthening. *Proceedings of the American Orthopaedic Association, 120<sup>th</sup> Annual Meeting, 2007.*
35. Sensiba P, Venkatarayappa I, DeHoff C, Manternach A, **Laughlin RT**, Binski J, Prayson MP. A survey of patient opinion regarding the use of reprocessed external fixator components. *Proceedings of the Orthopaedic Trauma Association 23<sup>rd</sup> Annual Meeting, 2007;287.*
36. Konstantakos E, Booth BA, Ahluwalia G, Kinzie M, Mistovich J, **Laughlin RT**. Association of malleolar indices and foot types with foot and ankle injuries in college athletes. *Proceedings of the AOFAS Summer Meeting, 2007.*
37. Sensiba PR, Mariscalco M, Williams N, **Laughlin RT**. Radiographic analysis of the adult flatfoot deformity (Abstract # 125). *Proceedings of the Mid-America Orthopaedic Association, 26<sup>th</sup> Annual Meeting, 2008.*
38. Peters PG, **Laughlin RT**, Manternach A, Markert RL, Randall KL, Prayson MJ. Time exposure to C-arm drape contamination (Abstract #21). *Proceedings of the Mid-America Orthopaedic Association, 26<sup>th</sup> Annual Meeting, 2008.*
39. Iossi M, Konstantakos E, Duren D, Sherwood R, Hedgecorth K, Teel D, MacGuire M, **Laughlin RT**. Musculoskeletal function following bariatric surgery. *Proceedings of the American Academy of Orthopaedic Surgeons Annual Meeting, 2009.*
40. Iossi M, Konstantakos E, Duren D, Sherwood R, Hedgecorth K, Teel D, MacGuire M, **Laughlin RT**. Musculoskeletal function following bariatric surgery. *Proceedings of the Mid-America Orthopaedic Association Annual Meeting, 2009.*
41. Iossi M, Konstantakos E, Duren D, Sherwood R, Hedgecorth K, Teel D, MacGuire M, **Laughlin RT**. Musculoskeletal function following bariatric surgery. *Proceedings of the Ohio Chapter of the American College of Surgeons Annual Meeting, 2009.*
42. Coffey MJ, **Laughlin RT**. Management of calcaneus fractures with bone loss. *Proceedings of the American Orthopaedic Foot & Ankle Society Summer Meeting, 2010.*
43. Ross MS, Markert RJ, Dipaolo Z, Kiger L, **Laughlin RT**. Characterization of the flexor digitorum tendon to the proximal phalanx in the correction of hammer toe deformity. Presented at the Ohio Orthopaedic Society 74<sup>th</sup> Annual Meeting, Dublin, OH, May 2012.
44. Ross MS, Markert RJ, Dipaolo Z, Kiger L, **Laughlin RT**. Characterization of the flexor digitorum tendon to the proximal phalanx in the correction of hammer toe deformity. Presented at the *American Orthopaedic Foot & Ankle Society Annual Summer Meeting, San Diego, CA, June 2012.*
45. Ross MS, Gould G, Flower K, **Laughlin RT**. Proximal phalanx structural integrity in flexor to extensor tendon transfer: a biomechanical study. Presented at the 16<sup>th</sup> Annual OREF/ORS Central Indiana Regional Resident Research Symposium, Indianapolis, IN, April 2013.
46. Ross MS, Gould G, Flower K, **Laughlin RT**. Proximal phalanx structural integrity in flexor to extensor tendon transfer: a biomechanical study. Presented at the 75<sup>th</sup> Ohio Orthopaedic Society Annual Meeting, Dublin, OH, May 2013.
47. Froehle AW, **Laughlin RT**, Sherwood RJ, Duren DL. Gait characteristics in women five years after bariatric surgery relate to post-surgical weight loss. Submitted for presentation at the *2013 Gait & Clinical Movement Analysis Society (GCMAS) Annual Meeting, May 15-17, 2013.*
48. Dulaney-Cripe E, Hadaway S, Bauman R, Trame C, Smith C, Sillaman B, **Laughlin RT**. A continuous infusion fascia iliaca compartment block in hip fracture patients: a pilot study. Presented at the Orthopaedic Trauma Association Annual Meeting, Minneapolis, MN, October 2012.
49. Rieser GR, Dulaney-Cripe EM, LaFleur BC, Hadaway SJ, Smith CA, Bauman RD, Markert RJ, Prayson MJ, **Laughlin RT**. A retrospective study of a comprehensive pain protocol using a continuous fascia iliaca compartment block in patients treated for hip fractures. Presented at the Mid-America Orthopaedic Association 31<sup>st</sup> Annual Meeting, Amelia Island, FL, April 2013.

**PRINTED SCHOLARSHIP/Abstracts Published in Official Proceedings (Continued)**

50. Ross MS, Gould GC, Flower K, **Laughlin RT**. Proximal phalanx structural integrity in flexor to extensor tendon transfer: a biomechanical study. Presented at the Mid-America Orthopaedic Association 31<sup>st</sup> Annual Meeting, Amelia Island, FL, April 2013.
51. Knoll P, Chu J, Cox J, Hamilton R, **Laughlin RT**, Boivin G. The effect of exercise and glycemic control on diabetic (db/db) mouse Achilles tendons. Electronic poster presented at the AOFAS Annual Summer Meeting, Hollywood, FL, July 2013.
52. Knoll P, Chu J, Cox J, Hamilton R, Boivin GP, **Laughlin RT**. The effect of exercise and glycemic control on diabetic (db/db) mouse achilles tendons. Poster presented at the Mid-America Orthopaedic Association Annual Meeting, San Antonio, TX, April 2014.
53. Cavo, MJ, Fox JP, **Laughlin RT**. Association between diabetes, obesity and short term outcomes among patients surgically treated for ankle fractures. *Proceedings of the Mid-America Orthopaedic Association Annual Meeting*, 2014.
54. Cox JT, Shorten PL, Gould GC, Markert RJ, Barnett MD, **Laughlin RT**. Knotted vs. knotless suture bridges repair of the achilles tendon insertion: a biomechanical study. *Proceedings of the Mid-America Orthopaedic Association Annual Meeting*, 2014.
55. Knoll P, **Laughlin RT**. Effect of exercise and glycemic control on diabetic (db/db) mouse achilles tendons. Presented at the Mid-America Orthopaedic Association 32<sup>nd</sup> Annual Meeting, San Antonio, TX, April 2014.

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1. Richardson EG. Book Review of Fractures of the Foot and Ankle. *Foot and Ankle International*. 2006;483.
2. Rogers C. Simple diagnostic test may predict foot and ankle instability. In AAOS NOW Vol. 1(9):17. 2007.

**PRESENTATIONS**

**Regional**

1. **Laughlin RT**, Smith KL, Russell RT, Hayes JM. Functional outcome of Grade III tibia fractures covered with free muscle flaps. Presented at the Illinois Orthopaedic Society, Chicago, IL, November 8, 1991.
2. Calhoun JH, Ledbetter BR, **Laughlin RT**, Anger DM. Mechanism of injury of lawn mower-related foot injuries. Presented at the Southern Medical Association 87<sup>th</sup> Annual Scientific Assembly, New Orleans, LA, October 30, 1993.
3. Calhoun JH, **Laughlin RT**, Anger DM, Ledbetter BR. The Ilizarov external fixator for ankle fusion. Presented at the Southern Medical Association 87<sup>th</sup> Annual Scientific Assembly, New Orleans, LA, October 30, 1993.
4. Reveal G, **Laughlin RT**, Lawless M. Dynamic foot pressures in normal individuals comparison of pressure redistributing techniques. Presented at the Ohio Orthopaedic Society Annual Meeting, Akron, OH, May 9, 1997.
5. **Laughlin RT**. Rheumatoid arthritis in the foot and ankle. Presented at the 16<sup>th</sup> Annual G.W.N. Eggers Lectureship of the University of Texas Medical Branch Annual Alumni Meeting, Galveston, TX, May 22, 1998.
6. **Laughlin RT**. Intramedullary nailing of tibia fractures. Presented at the AO/ASIF Course: Orthopaedic Trauma – A Team Approach to Fracture Management, Cincinnati, OH, November 20, 1998.
7. **Laughlin RT**. The adult flatfoot. Presented at the Notre Dame Orthopaedic Society, South Bend, IN, October 8, 1999.
8. **Laughlin RT**. Charcot foot: Diagnosis and management. Presented at the American Orthopaedic Foot & Ankle Society Regional Review Course, Memphis, TN, September 23, 2000.
9. **Laughlin RT**. Pilon fractures. Presented at the American Orthopaedic Foot & Ankle Society Regional Review Course, Memphis, TN, September 23, 2000.
10. **Laughlin RT**. Ankle arthritis, approaches to non-operative management, arthrodesis techniques, and alternatives to arthrodesis. Presented at the American Orthopaedic Foot & Ankle Society Regional Review Course, Memphis, TN, September 23, 2000.

**PRESENTATIONS/Regional (Continued)**

11. Thompson D, **Laughlin RT**. Estimating intramedullary nail lengths: A comparison of traditional methods with a new approach. Presented at the Ohio Orthopaedic Society 62<sup>nd</sup> Annual Meeting, July 26, 2001.
12. Thompson D, **Laughlin RT**. Estimating intramedullary nail lengths. Presented at the Mid-America Orthopaedic Association Annual Meeting, Tucson, AZ, April 27, 2002.
13. **Laughlin RT**. Pilon fractures. Presented at the Illinois Association of Orthopaedic Surgeons Annual Meeting, Springfield, IL, April 11, 2003.
14. **Laughlin RT**. Ankle arthritis. Presented at the Illinois Association of Orthopaedic Surgeons Annual Meeting, Springfield, IL, April 11, 2003.
15. **Laughlin RT**. Locked plates: A new era of ORIF. Presented at the Synthes Locking Plate Symposium, Cincinnati, OH, August 27, 2003.
16. **Laughlin RT**. Biomechanics and principles of locked plates. Presented at the Synthes Locking Plate Symposium, Cincinnati, OH, August 27, 2003.
17. **Laughlin RT**. Locked plating in the upper extremity. Presented at the Synthes Locking Plate Symposium, Cincinnati, OH, August 27, 2003.
18. **Laughlin RT**. Orthopaedic trauma team approach to fracture management – **Lab Instructor** at the AO Operating Room Basic Course, Cincinnati, OH, February 20, 2004.
19. **Laughlin RT**. Foot/ankle scientific paper session – **Moderator** at the Mid-America Orthopaedic Association 22<sup>nd</sup> Annual Meeting, La Quinta, CA, April 14, 2004.
20. Konstantakos EK, Dalstrom D, **Laughlin RT**, Miller S, Shapiro M. Uniplanar external fixation for care of circumferential extremity burn wounds in adults. Presented at the Eastern Great Lakes Burn Study Group, Dayton, OH, October 2006.
21. Sensiba PR, Mariscalco M, Williams N, **Laughlin RT**. Radiographic analysis of the adult flatfoot deformity (Abstract #125). Presented at the Mid-America Orthopaedic Association 26<sup>th</sup> Annual Meeting, ChampionsGate, FL, April 18, 2008.
22. Peters PG, **Laughlin RT**, Manternach A, Markert R, Randall RL, Prayson MJ. Time of exposure to C-arm drape contamination. Presented at the Mid-American Orthopaedic Association 26<sup>th</sup> Annual Meeting, ChampionsGate, FL, April 19, 2008. **Carl Nelson Physician In Training Award Winner**.
23. Markert RJ, Konstantakos E, **Laughlin RT**, Crosby L. Professionalism in graduate medical education: misrepresentations of research publications by orthopaedic residency applicants. Presented at the Central Group on Educational Affairs, Association of American Medical Colleges, Rochester, MN, March 2009.
24. Iossi M, Konstantakos E, Duren D, Sherwood R, Hedgecorth K, Teel D, MacGuire M, **Laughlin RT**. Musculoskeletal function following bariatric surgery. Presented at the Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 2009.
25. **Laughlin RT**. LisFranc and midfoot injuries. Presented at the 2011 Ohio Athletic Trainers' Association Annual Meeting, Dayton, OH, May 2011.
26. Ross MS, Markert RJ, Dipaolo Z, Kiger L, **Laughlin RT**. Characterization of the flexor digitorum tendon to the proximal phalanx in the correction of hammer toe deformity. Presented at the Ohio Orthopaedic Society 74<sup>th</sup> Annual Meeting, Dublin, OH, May 2012.
27. Ross MS, Gould G, Flower K, **Laughlin RT**. Proximal phalanx structural integrity in flexor to extensor tendon transfer: a biomechanical study. Presented at the 16<sup>th</sup> Annual OREF/ORS Central Indiana Regional Resident Research Symposium, Indianapolis, IN, April 2013.
28. **Laughlin RT**. Foot/ankle scientific paper session – **Co-Moderator** at the Mid-America Orthopaedic Association 31<sup>st</sup> Annual Meeting, Amelia Island, FL, April 2013.
29. Ross MS, Gould G, Flower K, **Laughlin RT**. Proximal phalanx structural integrity in flexor to extensor tendon transfer: a biomechanical study. Presented at the 75<sup>th</sup> Ohio Orthopaedic Society Annual Meeting, Dublin, OH, May 2013.

**PRESENTATIONS/Regional (Continued)**

30. Cox JT, Shorten PL, Gould GC, Markert RJ, Barnett M, **Laughlin RT**. Knotted vs. knotless suture bridge repair of the achilles tendon insertion: a biomechanical study. Presented at the Mid America Orthopaedic Association 32rd Annual Meeting. San Antonio, TX, April 2014.
31. Knoll PA, Chu J, Cox JT, Hamilton R, Boivin GP, Laughlin, RT. The effect of exercise and glycemic control on diabetic (bd/db) mouse achilles tendons. Presented at the Mid America Orthopaedic Association, 32rd Annual meeting, San Antonio TX, April 2014.
32. Cavo MJ, Laughlin RT, Fox JP. Association between diabetics, obesity and short term outcomes among patients surgically treated for ankle fractures. Presented at the Mid America Orthopaedic Association 32rd Annual Meeting. San Antonio, TX, April 2014.
33. Cox JT, Shorten PL, Gould GC, Markert RJ, Barnett M, **Laughlin RT**. Knotted vs. knotless suture bridge repair of the achilles tendon insertion: a biomechanical study. Presented at the Ohio Orthopaedic Society Annual Meeting, Columbus, OH, May 2014.

**National**

1. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. Presented at the American Orthopaedic Foot & Ankle Society Summer Meeting, Couer d'Alene, ID, July 1, 1994.
2. **Laughlin RT**, Calhoun JH. Biomechanics of intramedullary nails. Presented at Comprehensive Trauma Solutions, Beaver Creek, CO, January 11, 1994.
3. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. Presented at Comprehensive Trauma Solutions, Beaver Creek, CO, January 11, 1994.
4. **Laughlin RT**, Calhoun JH, Mader JT, Foad A. Osteomyelitis of the calcaneus. Presented at the American Orthopaedic Foot & Ankle Society Specialty Day, American Association of Orthopaedic Surgeons 62<sup>nd</sup> Annual Meeting, Orlando, FL, February 19, 1995.
5. Reeve F, **Laughlin RT**, Wright DG. Endoscopic plantar fascia release: An Anatomic Study of Structures at Risk. Presented at the American Orthopaedic Foot & Ankle Society Summer Meeting, Vail, CO, July 21, 1995.
6. **Laughlin RT**, Simonich S, Calhoun JH, Mader J, Wright DG. Osteomyelitis of the talus. Presented at the American Orthopaedic Foot & Ankle Society Summer Meeting, Vail, CO, July 21, 1995.
7. **Laughlin RT**, Calhoun JH, Mader JT, Foad A. Osteomyelitis of the calcaneus. Presented at the Musculoskeletal Infection Society Annual Meeting, Snowmass, CO. August 10, 1995.
8. Reveal GT, Lawless MT, **Laughlin RT**. Dynamic foot pressures measured in normal individuals. Presented at the Combined Meeting of the American Orthopaedic Foot & Ankle Society and the Japanese Society for Surgery of the Foot, Waikoloa, HI, November 13, 1997.
9. Vitello W, Lawless MW, **Laughlin RT**, Lakatos R. Antegrade vs. retrograde nailing of femoral shaft fractures: A functional outcome study. Presented at the American Fracture Association 61<sup>st</sup> Annual Meeting, Tucson, AZ, May 15, 1999.
10. Vitello W, Lawless MW, **Laughlin RT**, Lakatos R. Antegrade vs. retrograde nailing of the femoral shaft fractures: A functional outcome study. Presented at the American Orthopaedic Association/Orthopaedic Research Foundation Residents Meeting, St. Louis, MO, February 26, 2000.
11. **Laughlin RT**. Calcaneus fractures. Presented at the AAOS Summer Institute, San Diego, CA, September 8, 2001.
12. **Laughlin RT**. Ankle and distal radius casting lab – **Lab Instructor** at the Orthopaedic Trauma Association Residents Basic Fracture Course, Salt Lake City, UT, October 8, 2003.
13. **Laughlin RT**. Spanning external fixator/ORIF tibial plateau – **Lab Instructor** at the Orthopaedic Trauma Association Residents Basic Fracture Course, Salt Lake City, UT, October 10, 2003.
14. **Laughlin RT**. Components of the Ilizarov system. Presented at the Essentials of External Fixation of the Foot and Ankle Course, Beaver Creek, CO, August 4, 2004.
15. **Laughlin RT**. Techniques for tensioning of transosseous wires. Presented at the Essentials of External Fixation of the Foot and Ankle Course, Beaver Creek, CO, August 4, 2004.

**PRESENTATIONS/National (Continued)**

16. **Laughlin RT.** Distal tibia fractures using the Taylor spatial frame – **Lab Moderator** at the Essentials of External Fixation of the Foot and Ankle Course, Beaver Creek, CO, August 5, 2004.
17. **Laughlin RT.** Spanning external fixator for tibial plateau fractures/ORIF tibial plateau fractures – **Lab Instructor** at the Orthopaedic Trauma Association Residents Basic Fracture Course, Ft. Lauderdale, FL, October 9, 2004.
18. **Laughlin RT.** Basic principles and techniques of operative fracture management – **Instructor** at the Course for Residents, Newport, RI, November 2005.
19. **Laughlin RT.** Casting techniques – **Lab Instructor** at the Orthopaedic Trauma Association Residents Basic Fracture Course, Phoenix, AZ, October 2006.
20. **Laughlin RT.** Both bone forearm fractures ORIF – **Lab Instructor** at the Orthopaedic Trauma Association Resident Basic Fracture Course, Phoenix, AZ, October 9, 2006.
21. Sensiba P, Venkatarayappa I, Dehoff C, Manternach A, **Laughlin RT**, Binski J, Prayson MP. A survey of patient opinions regarding the use of reprocessed external fixator components. Presented at the Limb Lengthening and Reconstruction Society Annual Meeting, Chicago, IL, July 22, 2007.
22. **Laughlin RT.** Spanning external fixation in the lower extremity. Presented at Essentials of External Fixation, Dana Point, CA, November 9, 2007.
23. **Laughlin RT.** Spanning external fixation lab. Presented at Essential of External Fixation, Dana Point, CA, November 9, 2007.
24. **Laughlin RT.** Served as **Moderator** of Session II at the Orthopaedic Bioengineering – Nano to Device Level Conference of the Society of Engineering Science 2008 Technical Meeting, Champaign, IL, October 13, 2008.
25. **Laughlin RT. Media Briefing Participant.** Presented musculoskeletal function following bariatric surgery at the American Academy of Orthopaedic Surgeons 76<sup>th</sup> Annual Meeting, Las Vegas, NV, February 25, 2009.
26. Peters PG, **Laughlin RT**, Manternach A, Markert R, Randall RL, Prayson MJ. Time of exposure to C-arm drape contamination. Presented at the American Academy of Orthopaedic Surgeons 76<sup>th</sup> Annual Meeting, Las Vegas, NV, February 25, 2009.
27. Iossi M, Konstantakos E, Duren D, Sherwood R, Hedgecorth K, Teel D, MacGuire M, **Laughlin RT.** Musculoskeletal function following bariatric surgery. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, February 25, 2009.
28. **Laughlin RT.** Complex ankle fractures. Presented at the AO North America Advanced Principles & Techniques of Operative Fracture Management Course, Covington, KY, September 10-14, 2009.
29. **Laughlin RT.** Infection post fixation. Presented at the AO North America Advanced Principles & Techniques of Operative Fracture Management Course, Covington, KY, September 10-14, 2009.
30. **Laughlin RT.** Talus fractures. Presented at the AO North America Advanced Principles & Techniques of Operative Fracture Management Course, Covington, KY, September 10-14, 2009.
31. **Laughlin RT.** Calcaneus and talus fractures lab. Presented at the AO North America Advanced Principles & Techniques of Operative Fracture Management Course, Covington, KY, September 10-14, 2009.
32. **Laughlin RT.** Distal radius fracture lab - **Lab Table Instructor.** Facilitated at the Orthopaedic Trauma Association Annual Meeting, Baltimore, MD, October 14, 2010.
33. Ross MS, Markert RJ, Dipaolo Z, Kiger L, **Laughlin RT.** Characterization of the flexor digitorum tendon to the proximal phalanx in the correction of hammer toe deformity. Presented at the American Orthopaedic Foot & Ankle Society Annual Summer Meeting, San Diego, CA, June 2012.
34. Froehle AW, **Laughlin RT**, Sherwood RJ, Duren DL. Gait characteristics in women five years after bariatric surgery relate to post-surgical weight loss. Submitted for presentation at the 2013 Gait & Clinical Movement Analysis Society (GCMAS) Annual Meeting, May 15-17, 2013.

**PRESENTATIONS (Continued)**

**International**

1. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. Presented at the American Fracture Association, Calgary, Canada, May 14, 1994.
2. **Laughlin RT**, Reeve F, Wright DG. Endoscopic plantar fascia release: An anatomic study of structures at risk. Presented at the First Combined Meeting of the American, British and European Foot and Ankle Surgical Societies, Dublin, Ireland, August 26, 1995.
3. Vitello W, Lakatos R, **Laughlin RT**. Biomechanics of hybrid external fixators – **Meyerding Award Winner**. Presented at the American Fracture Association 62<sup>nd</sup> Annual Meeting, Port of Spain, Trinidad, April 11, 2000.
4. **Laughlin RT**. Residents basic fracture course – **Lab Instructor** at the Orthopaedic Trauma Association Annual Meeting, Ottawa, Ontario, Canada, October 2005.
5. Konstantakos E, Booth BA, Ahluwalia G, Kinzie M, Mistovich J, **Laughlin RT**. Association of malleolar indices and foot types with foot and ankle injuries in college athletes. Presented at the American Orthopaedic Foot and Ankle Society Summer Meeting, Toronto, Canada, July 2007.

**Posters**

1. **Laughlin RT**, Smith KL, Russell RT, Hayes JM. Functional outcome of Grade III tibia fractures covered with free muscle flaps. Poster presented at the American Academy of Orthopaedic Surgeons 59<sup>th</sup> Annual Meeting, Washington, DC, February 20, 1992.
2. **Laughlin RT**, Chambers RB. The syme amputation in severe diabetes. Poster presented at the American Academy of Orthopaedic Surgeons 59<sup>th</sup> Annual Meeting, Washington, DC, February 23, 1992.
3. Fisk JR, Peterson HA, **Laughlin RT**, Lutz R. Spontaneous fusion following subcutaneous instrumentation for scoliosis. Poster presented at the American Academy of Orthopaedic Surgeons 60<sup>th</sup> Annual Meeting, San Francisco, CA, February 29, 1993.
4. Werries BA, **Laughlin RT**, Verhulst SJ, Hayes JM. Patellar tilt in total knee arthroplasty. Poster presented at the American Academy of Orthopaedic Surgeons 61<sup>st</sup> Annual Meeting, New Orleans, LA, February 25, 1994.
5. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. Poster presented at the Orthopaedic Trauma Association Meeting, Los Angeles, CA, September 22, 1994.
6. **Laughlin RT**, Carson JG, Calhoun JH. Intra-articular calcaneus fractures treated with the Galveston plate. Poster presented at the American Academy of Orthopaedic Surgeons 62<sup>nd</sup> Annual Meeting, Orlando, FL, February 17, 1995.
7. **Laughlin RT**, Simonich S, Calhoun JH, Mader JT, Wright DG. Osteomyelitis of the talus. Poster presented at the American Orthopaedic Foot & Ankle Society Summer Meeting, Vail, CO, July 19, 1995.
8. Wright DG, **Laughlin RT**, Billott B, Reynolds DB. Mechanical strength of posterior malleolus fracture fixation. Poster presented at the Orthopaedic Trauma Association 11<sup>th</sup> Annual Meeting, Tampa, FL, September 29, 1995.
9. Wright DG, **Laughlin RT**, Billott B, Reynolds DB. Mechanical testing of a new implant: UHMWPE braided suture. Poster presented at the Orthopaedic Trauma Association 11<sup>th</sup> Annual Meeting, Tampa, FL, September 29, 1995.
10. Wright DG, **Laughlin RT**, Miclan T, Lindsey RW. Post-partum pubic diastasis. Poster presented at the Orthopaedic Trauma Association 11<sup>th</sup> Annual Meeting, Tampa, FL, September 29, 1995.
11. Moore RS, Luchetti WT, Partington MT, **Laughlin RT**, Wright DG. Micro-vascular free tissue transfer for coverage in Grade III open calcaneus fractures associated with Achilles tendon rupture. Poster presented at the American Academy of Orthopaedic Surgeons 63<sup>rd</sup> Annual Meeting, Atlanta, GA, February 23, 1996.
12. Reveal GT, **Laughlin RT**, Capecci P, Reeve FM, Wright DG. Diabetic foot care survey. Poster presented at the American Orthopaedic Foot & Ankle Society 13<sup>th</sup> Annual Summer Meeting, Monterey, CA, July 17, 1997.

**PRESENTATIONS/Posters (Continued)**

13. Reveal GT, **Laughlin RT**, Capecchi P, Reeve FM, Wright DG. Diabetic foot care survey. Poster presented at the Combined Meeting of the American Orthopaedic Foot & Ankle Society and the Japanese Society for Surgery of the Foot, Waikoloa, HI, November 13, 1997.
14. Lawless MW, **Laughlin RT**. Cutaneous innervation of the medial dorsal aspect of the first toe: An anatomic study. Poster presented at the Combined Meeting of the American Orthopaedic Foot & Ankle Society and the Japanese Society for Surgery of the Foot, Waikoloa, HI, November 13, 1997.
15. Vitello W, **Laughlin RT**, Lakatos R. Biomechanics of four hybrid external fixators. Poster presented at the Mid-America Orthopaedic Association Annual Meeting, Scottsdale, AZ, April 27, 2000.
16. Vitello W, **Laughlin RT**, Lakatos R, et al. Biomechanics of four hybrid fixators. Poster presented at the Wright State University Boonshoft School of Medicine Central Research Forum, Dayton, OH, May 2000.
17. Vitello W, **Laughlin RT**, Lakatos R, et al. Biomechanics of four hybrid fixators. Poster presented at the Dayton Area Graduate Medical Education Consortium, Dayton, OH, April 16, 2001.
18. Thompson D, **Laughlin RT**. Estimating intramedullary nail lengths: A comparison of traditional methods with a new approach. Poster presented at the Dayton Area Graduate Medical Education Consortium, Dayton, OH, April 16, 2001.
19. Thompson D, **Laughlin RT**. Estimating intramedullary nail lengths: A comparison of traditional methods with a new approach. Poster presented at the Wright State University Boonshoft School of Medicine Central Research Forum, Dayton, OH, May 2001.
20. Buerk A, McDonough EB, Oyster M, Kleinhenz B, **Laughlin RT**. Radiographic measurements in the adult flatfoot: Assessment of reliability. Poster presented at the Mid-America Orthopaedic Association 22<sup>nd</sup> Annual Meeting, La Quinta, CA, April 14, 2004.
21. McDonough EB, Buerk A, Oyster M, **Laughlin RT**. Radiographic analysis of the adult flatfoot. Poster presented at the Dayton Area Graduate Medical Education Consortium Central Research Forum, Dayton, OH, May 4, 2004.
22. Grisoni N, Foulk D, Sprott D, **Laughlin RT**. Bilateral hip fractures – **2<sup>nd</sup> Place Award Winner**. Poster presented at the Dayton Area Graduate Medical Education Consortium Central Research Forum, Dayton, OH, May 4, 2004.
23. Mitchell R, Sprott D, Kleinhenz B, Abouhassan W, Rhoades M, **Laughlin RT**. Plantar fasciitis: Is it a work-related injury? Poster presented at the Dayton Area Graduate Medical Education Consortium Central Research Forum, Dayton, OH, May 4, 2004.
24. Mitchell R, Sprott D, Kleinhenz B, Abouhassan W, Rhoades M, **Laughlin RT**. Plantar fasciitis: Is it a work-related injury? Poster presented at the American Orthopaedic Foot & Ankle Society 20<sup>th</sup> Annual Summer Meeting, Seattle, WA, July 29, 2004.
25. Grisoni N, Foulk D, Sprott D, **Laughlin RT**. Bilateral hip fractures. Poster presented at the Mid America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 2005.
26. Janout M, Booth BA, Mistovich J, **Laughlin RT**. Fatty infiltration of the gastrocnemius and soleus after Achilles tendon lengthening. Poster presented at the American Orthopaedic Foot & Ankle Society 22<sup>nd</sup> Annual Summer Meeting, San Diego, CA, July 13, 2006.
27. Janout M, Booth BA, Mistovich J, **Laughlin RT**. Fatty infiltration of the gastrocnemius and soleus after Achilles tendon lengthening. Poster presented at the American Orthopaedic Association 120<sup>th</sup> Annual Meeting, Asheville, NC, June 13, 2007.
28. Sensiba P, Venkatarayappa I, DeHoff C, Manternach A, **Laughlin RT**, Binski J, Prayson MP. A survey of patient opinion regarding the use of reprocessed external fixator components. Poster presented at the Orthopaedic Trauma Association Annual Meeting, Boston, MA, October 20, 2007.
29. Peters PG, **Laughlin RT**, Manternach A, Markert RL, Randall KL, Prayson MJ. Time of exposure to C-arm drape contamination. Poster presented at the American Academy of Orthopaedic Surgeons 75<sup>th</sup> Annual Meeting, San Francisco, CA, March 2008.

**PRESENTATIONS/Posters (Continued)**

30. Sensiba P, Venkatarayappa I, DeHoff C, Manternach A, **Laughlin RT**, Binski J, Prayson MP. A survey of patient opinion regarding the use of reprocessed external fixator components. Poster presented at the Dayton Area Graduate Medical Education Consortium Central Research Forum, Dayton, OH, April 24, 2008.
31. Janout M, Booth B, Mistovich J, **Laughlin RT**. Fatty infiltration of the gastrocnemius and soleus after Achilles tendon lengthening. Poster presented at the Dayton Area Graduate Medical Education Consortium Central Research Forum, Dayton, OH, April 24, 2008.
32. Peters PG, **Laughlin RT**, Manternach A, Markert RL, Randall KL, Prayson MJ. Time of exposure to C-arm drape contamination. Poster presented at the Orthopaedic Trauma Association 24<sup>th</sup> Annual Meeting, Denver, CO, October 2008.
33. Iossi M, Konstantakos E, Duren D, Sherwood R, Hedgecorth K, Teel D, MacGuire M, **Laughlin RT**. Musculoskeletal function following bariatric surgery. Presented at the Ohio Chapter of the American College of Surgeons Annual Meeting, Cleveland, OH, May 8, 2009.
34. Coffey MJ, **Laughlin RT**. Management of calcaneus fractures with bone loss. Presented at the 2010 American Orthopaedic Foot & Ankle Society Summer Meeting, National Harbour, MD, July 2010.
35. Dulaney-Cripe E, Hadaway S, Smith C, LaFleur B, Rieser GR, Bauman R, Prayson MJ, **Laughlin RT**. A retrospective study of a comprehensive pain protocol using a continuous fascia iliaca compartment block. Poster presented at the 13th Annual DAGMEC Resident Research Forum, Dayton, OH, April 2012.
36. Ross MS, Markert RJ, DiPaolo Z, Kiger L, **Laughlin RT**. Characterization of the flexor digitorum tendon to the proximal phalanx in the correction of hammer toe deformity. Poster presented at the Wright State University Boonshoft School of Medicine 13<sup>th</sup> Annual Medical Student Research Symposium and the DAGMEC Resident Research Forum, Dayton, OH, April 2012. *2<sup>nd</sup> Place.*
37. Dulaney-Cripe E, Hadaway S, Bauman R, Trame C, Smith C, Sillaman B, **Laughlin RT**. A continuous infusion fascia iliaca compartment block in hip fracture patients: a pilot study. Presented at the Orthopaedic Trauma Association Annual Meeting, Minneapolis, MN, October 2012.
38. Rieser GR, Dulaney-Cripe EM, LaFleur BC, Hadaway SJ, Smith CA, Bauman RD, Markert RJ, Prayson MJ, **Laughlin RT**. A retrospective study of a comprehensive pain protocol using a continuous fascia iliaca compartment block in patients treated for hip fractures. Presented at the Mid-America Orthopaedic Association 31<sup>st</sup> Annual Meeting, Amelia Island, FL, April 2013.
39. Ross MS, Gould GC, Flower K, **Laughlin RT**. Proximal phalanx structural integrity in flexor to extensor tendon transfer: a biomechanical study. Presented at the Mid-America Orthopaedic Association 31<sup>st</sup> Annual Meeting, Amelia Island, FL, April 2013.
40. Knoll P, Chu J, Cox J, Hamilton R, **Laughlin RT**, Boivin G. Effect of exercise and glycemic control on diabetic (db/db) mouse Achilles tendons. Electronic poster presented at the AOFAS Annual Summer Meeting, Hollywood, FL, July 2013.

**Grand Rounds and Other Local Presentations**

1. **Laughlin RT**, Chambers RB. The syme amputation in severe diabetics. Presented at the Rancho Los Amigos Research Day, Downey, CA, June 15, 1991.
2. **Laughlin RT**. Disorders of the hip – **Guest Faculty** at Iowa University of Osteopathic Medicine & Health Sciences, Des Moines, IA, March 1993.
3. **Laughlin RT**. Fractures – **Guest Faculty** at Iowa University of Osteopathic Medicine & Health Sciences, Des Moines, IA, March 1993.
4. **Laughlin RT**. Disorders of the back – **Guest Faculty** at Iowa University of Osteopathic Medicine & Health Sciences, Des Moines, IA, March 1993.

**PRESENTATIONS/Grand Rounds and Other Local Presentations (Continued)**

5. **Laughlin RT.** Trauma to the extremities. Presented at the Advance Trauma Life Support Course, #10226 P/SR, Galveston, TX, April 8, 1994.
6. **Laughlin RT.** Calcaneus fractures. Presented at the Ohio State Association of Orthopaedic Technologists, Dayton, OH, November 12, 1994.
7. **Laughlin RT.** Miscellaneous disorders of the lower extremity. Presented at the National Association of Orthopaedic Nurses Knowledge Nuggets for Orthopaedic Nurse Certification Review, Dayton, OH, September 24, 1995.
8. **Laughlin RT.** Distal tibia/ankle fractures: An overview. Presented at Miami Valley Hospital Orthopaedic Fracture Care, Dayton, OH, January 13, 1996.
9. **Laughlin RT.** Principles of orthopaedic fracture care. Presented at the Synthes OR Nurses Course, Miami Valley Hospital, Dayton, OH, January 13, 1996.
10. **Laughlin RT.** Orthopaedic/modeling – **Session Moderator** at the 15<sup>th</sup> Southern Biomedical Engineering Conference, Dayton, OH, March 31, 1996.
11. **Laughlin RT.** Biomechanics and gait cycle of the foot and ankle. Presented at the Pedorthic Management of Common Foot Disorders, Pedorthic Footwear Association, Dayton, OH, September 15, 1996.
12. **Laughlin RT.** Diabetes and footwear. Presented at the Diabetes Symposium, Miami Valley Hospital, Dayton, OH, October 26, 1996.
13. **Laughlin RT.** External fixation in lower extremity injuries. Presented at the Synthes External Fixator Workshop for Nurses, Dayton, OH, January 25, 1997.
14. **Laughlin RT.** Effects of diabetes on OAD: Surgical topic for primary care. Presented at Occlusive Arterial Disease, February 26, 1997.
15. **Laughlin RT.** Femur fractures. Presented at the Miami Valley Hospital Trauma Course, Dayton, OH, May 1997.
16. **Laughlin RT.** Problems of the forefoot. Presented at the Foot & Ankle Symposium, Dayton, OH, October 24, 1997.
17. **Laughlin RT.** Current trends in treatment of femur fractures. Presented at Trauma Update 1998, Dayton, OH, May 15, 1998.
18. Lawless MW, **Laughlin RT**, Kerpsack JM, Pisut D. Elution of tobramycin from synthetic bone graft. Presented at the Ohio Orthopaedic Society Meeting, Dayton, OH, May 8, 1999.
19. **Laughlin RT.** The Multi-fractured patient: Priorities of management. Presented at Trauma Update 1999, Dayton, OH, May 14, 1999.
20. **Laughlin RT.** Compartment syndrome. Presented at Trauma Update 2000, Dayton, OH, May 12, 2000.
21. **Laughlin RT.** Lower extremity trauma. Presented at the Ohio State Assembly of Surgical Technologists, Dayton, OH, April 21, 2001.
22. **Laughlin RT.** Intra-articular calcaneus fractures. Presented at the Notre Dame Orthopaedic Society Annual Meeting, South Bend, IN, November 16, 2001.
23. **Laughlin RT.** AO/ASIF history, principles and indications for fracture treatment. Presented at the AO/ASIF Team Approach to Fracture Management Basic Course for ORP, Dayton, OH, April 26, 2002.
24. **Laughlin RT.** Internal fixation of foot/ankle fractures. Presented at the AO/ASIF Team Approach to Fracture Management Basic Course for ORP, Dayton, OH, April 27, 2002.
25. **Laughlin RT.** Postoperative hints and hardware removal. Presented at the AO/ASIF Team Approach to Fracture Management Basic Course for ORP, Dayton, OH, April 27, 2002.
26. McCarthy M, Peitzman A, Gervasin A, **Laughlin RT**, Christian J, Africk C, Anderson G. Multisystem trauma injuries: Review of difficult cases – **Panel Discussion Participant** at Trauma Update 2002, Dayton, OH, May 17, 2002.

**PRESENTATIONS/Grand Rounds and Other Local Presentations (Continued)**

27. **Laughlin RT.** Osteomyelitis. Presented at Grand Rounds for the Family Practice Residency Program, Miami Valley Hospital, Dayton, OH, September 2002.
28. **Laughlin RT.** Pilon fractures. Presented at the Notre Dame Orthopaedic Society Annual Meeting, South Bend, IN, October 4, 2002.
29. **Laughlin RT.** Diabetic foot. Presented at Orthopaedics for Primary Care, Dayton, OH, December 11, 2002.
30. **Laughlin RT.** Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, October 2003.
31. **Laughlin RT.** AOA and orthopaedics: An oxymoron? Presented at the Alpha Omega Alpha Medical Honor Society Annual Induction Dinner, Wright State University Boonshoft School of Medicine Chapter, Dayton, OH, April 27, 2004.
32. **Laughlin RT.** Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, September 2004.
33. **Laughlin RT.** Principles of lower extremity amputation surgery. Presented at the Basic Principles of Orthotics and Prosthetics Course, Dayton, OH, April 15, 2005.
34. **Laughlin RT.** Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, October 2005.
35. **Laughlin RT.** Complex injuries to the foot and ankle. Presented at Trauma Update 2006, Dayton, OH, May 18, 2006.
36. **Laughlin RT.** Principles of lower extremity amputation. Presented at the 2<sup>nd</sup> Annual Regional Orthotics & Prosthetics Course, Dayton, OH, February 2006.
37. **Laughlin RT.** Orthotics for foot and ankle disorders. Presented at the 2<sup>nd</sup> Annual Regional Orthotics & Prosthetics Course, Dayton, OH, February 2006.
38. **Laughlin RT.** Ankle arthritis. Presented at the Greene Memorial Hospital Lower Extremity Symposium, Xenia, OH, April 8, 2006.
39. **Laughlin RT.** Principles of lower extremity amputation. Presented at the 3<sup>rd</sup> Annual Regional Orthotics & Prosthetics Course, Dayton, OH, March 9, 2007.
40. **Laughlin RT.** Current concepts in below knee amputation surgery – **Keynote Speaker** at the Ohio Chapter American Academy of Orthotists and Prosthetists Annual Spring Technical Meeting, Columbus, OH, April 21, 2007.
41. **Laughlin RT.** Overview of orthopaedic research and prospects for collaboration. Presented at the Wright State University Boonshoft School of Medicine Central Research Forum, Dayton, OH, October 23, 2007.
42. **Laughlin RT.** Principles of lower extremity amputation. Presented at the 4<sup>th</sup> Annual Regional Orthotics & Prosthetics Course, Dayton, Ohio, March 14, 2008.
43. **Laughlin RT.** Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, January 2009.
44. **Laughlin RT.** Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, January 2010.
45. **Laughlin RT.** The correlation between orthopaedic and plastic surgery – Q&A. Presented at the Dayton Area Medical Education Associates Meeting, Dayton, OH, May 2010.
46. **Laughlin RT.** Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, January 2011.

**PRESENTATIONS/Grand Rounds and Other Local Presentations (Continued)**

47. **Laughlin RT.** Hip fractures in the elderly. Presented at the Geriatric Medicine Fellowship Grand Rounds, Department of Geriatrics, Wright State University Boonshoft School of Medicine, Dayton, OH, February 2011.
48. **Laughlin RT, Goswami T.** Case studies in orthopaedic surgery – **Co-Moderator.** Ohio Orthopaedic Research and Innovation Day, Wright State University, Dayton, OH, June 2011.
49. Sensiba P, Venkatarayappa I, DeHoff C, Manternach A, **Laughlin RT**, Binski J, Prayson MP. Reuse of external fixation components – patient survey. Presented at the Graduation Research Symposium, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, June 2011.
50. Markert RJ, Konstantakos E, **Laughlin RT**, Crosby L. Misrepresentation of research activity of orthopaedic applicants. Presented at the Graduation Research Symposium, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, June 2011.
51. **Laughlin RT.** Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, January 2012, September 2012.
52. **Laughlin RT.** Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, November 2014.

**GRANTS AND CONTRACTS**

1. Complex wound healing in diabetic feet.  
**Laughlin RT.**
  - Regranex Research \$5,000
2. Fatty infiltration of gastrocnemius and soleus muscles following achilles tendon lengthening.  
Janout M, Booth BA, **Laughlin RT.** 2004
  - Dayton Area Graduate Medical Education Consortium (DAGMEC) Resident Research Grant \$1,500
  - Miami Valley Hospital Limited Assistance Research Fund \$1,000
3. Comparison of antegrade and retrograde femoral nail clinical outcomes.  
**Laughlin RT**, Vitello W, Lawless M, Lakatos R, Herbenick M, Kimpel, D.
  - Wright State University Boonshoft School of Medicine Seed Grant \$2005
  - Zimmer Research Grant \$14,000
4. A biomechanical study of the distal tib-fib fusion BKA using finite element analysis model.  
**Laughlin RT**, He P, Reynolds D, Siebuhr KF, Booth BA. April 1, 2005-June 30, 2006
  - WSUBSOM Seed Grant \$4,700
  - WSUBSOM Research Initiation Grant \$9,760
5. Biomechanics in orthopaedics  
Lippert SA, **Laughlin RT**, Crosby LA.
  - Wright State University Center for Orthopaedic Biomechanics Research Challenge Major Collaboration Grant \$85,000
6. Lower extremity amputations: An assessment of immediate pain control during hospitalization and assessment of functional outcome.  
Siebuhr K, **Laughlin RT.** 2005
  - DAGMEC Resident Research Grant \$1,100

**Laughlin RT**, Siebuhr K, Booth B, Trame C. February 1, 2006-March 1, 2007

- DAGMEC Resident Research Grant \$1,380

**GRANTS AND CONTRACTS (Continued)**

7. Anatomic predictors of ankle instability in collegiate athletes.  
Ahluwalia G, **Laughlin RT**. February 1, 2006-March 1, 2007
  - DAGMEC Resident Research Grant \$1,100
8. Time of exposure to C-arm drape contamination.  
Peters PG, **Laughlin RT**, Manternach A, Markert RL, Randall KL, Prayson MJ. 2007-2008
  - Orthopaedic Trauma Association Grant \$10,000
9. Effects of multiple freeze-thaw cycles on fibular allograft bone.  
Shaw JM, Hunter SA, Coffey MJ, Locous GS, Gayton JC, Stouffer MH, Boivin GP, **Prayson MJ**, **Laughlin RT**. 2008
  - DAGMEC Resident Research Grant \$1,000
10. Lateral entry retrograde reaming of the femur to obtain autogenous bone graft with the Reamer Irrigator Aspirator system.  
**Laughlin RT**, Anderson M, Vourazeris J. 2009-2010
  - DAGMEC Grant \$1,500
11. Allograft assisted orthopaedic tissue repair.  
**Laughlin RT** (Co-PI). June 1, 2010-March 31, 2011
  - Ohio Third Frontier Grant Program \$20,000
  - WSUBSOM \$4,850
12. Exercise Effect on Diabetic (db/db) Mice Achilles Tendon.  
**Laughlin RT** (Co-PI). 2012
  - AOFAS Grant \$20,000
13. Growth factor elution rates from various commercial grade cements in differing morphologies.  
Ross MS, **Laughlin RT** (Co-PI). May 9, 2012-June 9, 2013
  - DAGMEC Grant \$2,479
14. Mass Spectrometry of the Achilles Tendon in Diabetic Mice with and without Treatment.  
Knoll P, **Laughlin RT** (Co-PI). November 2, 2012-December 15, 2013
  - DAGMEC Grant \$2,500

**SERVICE AND ACADEMIC OUTREACH**

<u>School of Medicine Committee</u>	<u>Position</u>	<u>Date</u>
Wright State University Boonshoft School of Medicine		
Orthopaedic Chair Search Committee	Member	2001
Steering Committee	Member	2000-2005
MS2 Musculoskeletal/Organ Systems Course		
Dayton Area Graduate Medical Education Consortium (DAGMEC)	Member	2004-Present
Research Committee	Member	1997-1998
Clinical Chairs	Member	2008-Present
WSP CEO Interview Committee	Member	2013
Executive Committee	Member	2008-Present
Julian J. Trevino, MD Promotion Review Committee	Member	2010
Dean Search Committee	Member	2011-2012
Strategic Planning Committee	Member	2013-Present

Hearing Committee	Member	2013
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**SERVICE AND ACADEMIC OUTREACH (Continued)**

<u>Department Committee</u>	<u>Position</u>	<u>Date</u>
Wright State University Boonshoft School of Medicine		
Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation		
Resident Selection Committee	Member	1994-Present
Faculty Promotion Committee	Member	1994-Present
	<b>Co-Chair</b>	2008-Present
Research Committee	Member	2003-Present
Education Committee	Member	2008-Present
Finance Committee	Member	2008-Present
Foot & Ankle Committee	Member	2008-Present
Curriculum Committee	Member	2012-Present
Marketing	Member	2011-Present

<u>Medical Staff Committee</u>	<u>Date</u>
Miami Valley Hospital	
Podiatry Task Force	1994
Department of Orthopaedics	1994-Present
	<b>Vice Chair</b>
	2000-2004
	<b>Chair</b>
	2004-2006
Section of Orthopaedic Trauma	2008-Present
Trauma Committee	1994-Present
CQI Coordination of Trauma Care	1995-1996
Southwest Development Project	1996
Orthopaedic Trauma Subcommittee	1997-Present
Infection Control Committee	1998-1999
Comprehensive Wound Care	2000-Present
Craig Memorial Library Committee	2002
Graduate Med Ed /Program Directors' Committee	2004-2010
Medical Staff Executive Committee	2004-2006
Operating Room Committee	2004-2006
Judi Uehlein Nursing Education Fund	2005
Geriatric Fracture Program	2007
Hip Fracture Advisory Board	Member
2009-2011	
Orthopaedic Osteoporosis Committee	Member
2011	
Anesthesia – Surgeons Task Force	Member
2012-Present	
Premier Health Orthopaedic Service Line Council	<b>Chair</b>
2012-Present	
Premier Health Foot & Ankle Sub-committee	Chair
2014-Present	
South Surgery Management Operation Committee	Member
2012-Present	

**SERVICE AND ACADEMIC OUTREACH (Continued)**

**Medical Staff Appointments**

<u>Institution</u>	<u>Appointment</u>	<u>Date</u>
<b>Miami Valley Hospital</b> One Wyoming Street, Dayton, OH 45409	Active Medical Staff	1994-Present
<b>Dayton Veterans' Affairs Medical Center</b> 4100 West Third Street, Dayton, OH 45428	Consultant	1994-Present
<b>Far Hills Surgery Center</b> 3484 Far Hills Avenue, Kettering, OH 45429	Active Staff	2006-2011
<b>Atrium Medical Center</b> One Medical Center Drive, Franklin, OH 45005	Active Medical Staff	2007-Present
<b>South Surgery Center</b> 2350 Miami Valley Drive, Suite 520, Centerville, OH 45459	Active Medical Staff	2011-Present
<b>Indu &amp; Raj Soin Medical Center</b> 3535 Pentagon Boulevard, Beavercreek, OH 45431	Courtesy Appointment	2012-Present

**Other Professional Service**

<u>Institution</u>	<u>Position</u>	<u>Date</u>
American Academy of Orthopaedic Surgeons	Discussion Group Participant Maintenance of Certification	February 2009
American Journal of Sports Medicine	Reviewer	1996-Present
Dayton Area Graduate Medical Education Consortium Graduate Medical Education Committee		2004-Present
Foot & Ankle International	Reviewer	2001-2006
Journal of Musculoskeletal Medicine	Reviewer	1997
Journal of Trauma	Reviewer	2004-Present
South Surgery Center Co-management Committee	Member	2011-Present
Mid-America Orthopaedic Association	Program Committee <b>Chair</b> (2008-2009) Membership Committee <b>Chair</b> (2010-2011) Education Committee	2007-2010 2008-2011 2011-2014
Society of Engineering Science	Technical Program Committee	2010
World Arthritis Organization	Consultant, Proximal Plantar Fasciitis	2009
Wright State Physicians, Inc.		
Board of Directors	Member	2007-Present
Management Committee	Member	2008-Present
Multi-specialty Committee	Member	1994-1995
Managed Care Committee	Member	1996-2000
Multi-specialty/Management Committee	Member	1996-2000
Strategic Planning Subcommittee	Member	2013-Present
Synthes – Consultant External Fixation	Member	2013-Present

**SERVICE AND ACADEMIC OUTREACH (Continued)**

**Clinical Practice**

<b><u>Institution</u></b>	<b><u>Position</u></b>	<b><u>Date</u></b>
Wright State Orthopaedics 30 E. Apple Street, Suite 2200 Dayton, OH 45409	Director of Foot & Ankle	1994-Present
South Surgery Center, LLC 2350 Miami Valley Drive, Suite 520 Centerville, OH 45459	Practicing Member	2011-Present

**Community Service**

<b><u>Association</u></b>	<b><u>Position/Status</u></b>	<b><u>Dates</u></b>
CYO Athletic Board, Dayton, OH	Member	2004-2009
St. Luke School, Beavercreek, OH	Science Fair Judge	2007-Present
Carroll High School, Dayton, OH	Science Fair Judge	2012-Present