

JOSEPH BORRELLI, JR., MD, MBA, CPE
Curriculum Vitae

Office Addresses: 4211 VanDyke Rd, Suite 200, Lutz, FL
2102 Trinity Oaks Blvd, Suite 202, Trinity, FL

Professional Licensure: State of Texas
State of Missouri
State of Florida

Current Position: Orthopedic Surgeon 02/17 - present
BayCare Medical Group
St. Joseph Hospital – North
Lutz, FL 33558

Academic Appointments: Professor of Orthopedic Surgery 08/18 - present
Department of Orthopedic Surgery and Sports Medicine
Morsani College of Medicine
University of South Florida
Tampa, FL

Adjunct Professor in Internal Medicine 02/17 - present
Department of Internal Medicine
UT Southwestern Medical Center
Dallas, TX

Research Professor 01/16 - present
Department of Bioengineering
University of Texas at Arlington
Arlington, TX

Clinical Professor, Orthopedic Surgery 08/15 - present
Dept of Orthopaedic Surgery & Rehabilitation
The University of Texas Medical Branch

Previous Positions: Institute Chair of Orthopedics 05/16 - 7/16
CHRISTUS Trinity Mother Frances Health System

Texas Health Physicians Group 04/12 – 05/16
Orthopedic Medicine Specialists

Chair, Orthopedic Surgery 05/11 – 05/16
Texas Health Arlington Memorial Hospital

Professor and Chairman 11/06 - 04/12
Dr. Charles F. Gregory Chair in Orthopaedic Surgery
W.B. Carrell Professorship of Orthopaedic Surgery
University of Texas-Southwestern Medical Center

	Associate Professor, Orthopaedic Surgery Chief, Orthopaedic Trauma Service Washington University School of Medicine	02/04 – 11/06
	Assistant Professor, Orthopaedic Surgery Chief, Orthopaedic Trauma Service Washington University School of Medicine	05/96 - 01/04
	Instructor in Surgery (Orthopaedics) Cornell University College of Medicine and Assistant Attending Physician The Hospital for Special Surgery New York, NY 10021	08/94 - 04/96
Masters:	Masters of Business Administration University of Texas at Dallas	09/12 – 12/15
Fellowship:	Orthopaedic Trauma The Tampa General Hospital Tampa, Florida	08/93 - 07/94
	ASG Traveling Fellowship Austria, Switzerland, Germany	04/04 - 05/04
Orthopaedic Residency:	The Hospital for Special Surgery The University of South Florida	07/90 - 06/93 07/88 - 06/90
Medical Education:	The University of South Florida, College of Medicine Alpha Omega Alpha Medical Honor Society	08/84 - 05/88
Postgraduate Education:	The University of South Florida Post-baccalaureate Program	01/83 – 12/83
Undergraduate Education:	The University of Maine, Orono, Maine Bachelor of Science, Biology Degree conferred; <i>With Distinction</i>	08/76 - 05/80
Professional Certifications:	Certified Physician Executive (CPE) American Board of Orthopaedic Surgeons ABOS Re-certified ATLS Certification	01/2016 - present 07/97 –10/17 10/17- 10/27 07/05 - 06/09
Hospital Staff Apps:	St. Joseph Hospital - Main St. Joseph Hospital – North Morton Plant Hospital – North Bay Trinity Mother Frances Hospital Texas Health Arlington Memorial Hospital Texas Health HEB Hospital	02/17 - present 02/17 – present 10/17 - present 05/16 – 07/16 10/10 – 04/16 08/10 – 04/16

University Hospital - St. Paul	11/07 – 03/12
University Hospital - Zale Lipshy	11/07 – 03/12
Parkland Memorial Hospital	05/07 – 03/12
Children’s Medical Center Dallas	08/07 - 02/09
John Cochran VA Medical Center- St Louis, MO	05/96 - 10/07
St. Louis Children’s Hospital	05/96 - 10/07
Barnes-Jewish Hospital, St. Louis	05/96 - 10/07

Professional Associations:	American Academy of Orthopaedic Surgeons	1998 - present
	Orthopaedic Trauma Association	1996 – present
	Texas Health Physicians Group	2014 - 2016
	Board of Trustees	
	Osteoarthritis Research Society International	2011 - 2012
	Musculoskeletal Transplant Foundation	2011 - 2012
	Medical Board of Trustees	
	Texas Orthopaedic Association	2010 - 2013
	American Orthopaedic Association	2005 - 2015
	AO Board of Trustees	2003 - 2007
	American Fracture Association	2002 - 2007
	Orthopaedic Research Society	1999 - 2010

Committees:	OTA Basic Science Committee	2010 - 2018
	Texas Health Physicians Group Leadership Board	2012 - 2016
	ORS Topic Committee	2012 - 2014
	ORS Professional Liaison Committee	2009 – 2011
	OTA Program Committee	2009 - 2018
	Basic Science Subcommittee (AAOS BofSS) (OTA Research Representative)	2009 - 2010
	Clinical Operations Committee	2006 - 2006
	Department of Orthopaedic Surgery	
	Chairman, OTA Research Committee	2006 - 2010
	OREF Residents Grant Committee	2005 - 2011
	Perioperative Performance Enhancement Project	2005 - 2006
	OR Scheduling Committee-Barnes-Jewish Hospital	
	OTA Research Committee	2004 – 2007
	Chairman, North American Musculoskeletal Trauma Education Committee (NAMTEC)	2004 – 2007
	AO North America Steering Committee	2003 – 2006
	Trauma Performance Improvement Committee Barnes-Jewish Hospital	2001 - 2006
	Resident Selection Committee	1999 - 2006
	Department of Orthopaedic Surgery	
	American Board of Orthopaedic Surgeons	1999 - 2006
	Field Test Task Force	

Hospital Committees:	AMH Utilization Review	2012 - 2016
	AMH Quality Management	2012 - 2016

AMH Medical Executive Committee 2010 - 2016

Honors/Awards:

Lee T. Ford Award for Academic Achievement 2005
Washington University School of Medicine
Department of Orthopaedic Surgery

Jerome J. Gilden Distinguished Physician Award 2004
Washington University School of Medicine
Department of Orthopaedic Surgery

Palma Chironis Award for Excellence in Teaching 1997
Washington University School of Medicine
Department of Orthopaedic Surgery

Editorial Board:

Editorial Board 2015 - present
Texas Orthopaedic Journal

Deputy Editor - Basic Science and Biomechanics 2011- 2015
Injury

Editorial Board 2006 - present
Journal of Orthopaedic Trauma

Consultant Reviewer 2000 - 2012
Clinical Orthopaedics and Related Research

Consultant Reviewer 2000 - 2012
*Journal of the American Academy of
Orthopaedic Surgeons*

Reviewer 2000 - 2012
The New England Journal of Medicine

Research Support:

AO/ASIF No. 93-H36 - 1993
In Support of: The "Die Punch" Intra-Articular Fracture: Creation,
Fixation, Biologic and Morphologic Evaluation.
Principal Investigator: David L. Helfet, MD
Co-Investigators: Joseph Borrelli, Jr., MD, Peter A. Torzilli, Ph.D.
Amount: \$32,000.00

Orthopaedic Trauma Association - 1/1/96-12/31/96
In Support of: Development of an In Vivo Die-Punch Intra-Articular
Fracture Model.
Principal Investigator: Joseph Borrelli, Jr., MD
Co-Investigators: Peter A. Torzilli, Ph.D., David L. Helfet, MD
Amount: \$12,000.00

Orthopaedic Research and Education Foundation – 6/99 – 1/02
In Support of: Articular Cartilage Damage Following Impact Load:
An In Vivo Rabbit Model
Principal Investigator: Joseph Borrelli, Jr., MD
Co-Investigators: Linda J. Sandell, PhD
Amount: \$100,000/ 2 years

Orthopaedic Trauma Association/Ace DePuy – 1/1/00-12/31/00
In Support of: Apoptosis in Articular Cartilage Injury
Principal Investigator: Joseph Borrelli, Jr., MD
Co-Investigator: Richard Hotchkiss, MD
Amount: \$19,581.00

AO North America Resident Trauma Research Grant - 01/04-12/04
In support of: Prospective Classification of Acetabular Fractures
Using Images Rendered from Standard Computerized Tomography
Principle Investigator: Michael W. Peelle, MD
Co-Investigator: Joseph Borrelli, Jr, MD
Amount: \$5,000.00

AO Research Grant /AO Research Foundation – 1/04-12/05
In Support of: In Vivo Cartilage Changes After Mechanical Injury
Principle Investigator: Joseph Borrelli, Jr, MD
Co-Investigator: Matthew Silva, MD
Amount: \$43,250

Orthopaedic Research and Education Foundation
Thomas M. Coffman Career Development Award – 7/05 – 6/08
In Support of: In Vivo Cartilage Changes after Mechanical Injury
Principle Investigator: Joseph Borrelli, Jr., MD
Co-Investigator: Matthew Silva, MD
Amount: \$225,000/3 years

Orthopaedic Trauma Association - 4/08-12/09
In Support of: The Mechanism for Chondrocyte Apoptosis Following
Mechanical Injury
Principle Investigator: Joseph Borrelli, Jr., MD
Co-Investigator: Eric Eisner, MD
Amount: \$10,000

North and Central Texas Clinical and Translational Science
Initiative Pilot Grant Award Program
NIH/NCRR -5 UL1 RR024982-03 - 9/08-8/09
In Support of: Early Psychiatric Intervention After
Orthopaedic Trauma: A Prospective, Randomized
Double-Blind Placebo Controlled Trial
Principle Investigator: Adam Starr, MD
Co-Investigator: Joseph Borrelli, Jr., MD
Amount \$30,000/1 yr

Orthopaedic Trauma Association – 1/09 – 2/11
In Support of: Early Psychiatric Intervention after Orthopaedic Trauma:
A Prospective, Randomized Double-Blinded Placebo Controlled Trial
Principle Investigator: Adam Starr, MD
Co-Investigator: Joseph Borrelli, Jr., MD
Amount: \$148,000/3 yr

Orthopaedic Research and Education Foundation - 10-11
OREF/ DePuy Orthopaedic Resident Educational Grant
In Support of: Effect of BMP-7 on Articular Cartilage Following an
Impact Load
Principle Investigator: Paul Chin, MD
Co-Investigator: Joseph Borrelli, Jr, MD
Amount: \$5000/1 yr

Orthopaedic Trauma Association - 10-11
In Support of: “Effect of BMP-7 on Articular Cartilage Following an
Impact Load
Principle Investigator: Paul Chin, MD
Co-Investigator: Joseph Borrelli, Jr., MD
Amount: \$10,000/1 yr

DOD, Congressionally Directed Medical Research Programs,
2013 Peer Reviewed Orthopaedic Research Program, Translational
Research Award - 9/1/2014-8/31/2017
In Support of: Treating posttraumatic osteoarthritis by promoting
autologous stem cell-mediated cartilage regeneration"
Principal Investigator: Liping Tang, PhD
Consultant: Joseph Borrelli, Jr. MD
Amount: \$1,047,359/3 yr

Presentations at National Meetings:

1. Orthopaedic Trauma Association, Philadelphia, Pennsylvania, October 1989.
“Acute Stabilization of Acetabular Fractures in the Elderly”
2. American Academy of Pediatrics, Orthopaedic Section, Chicago, Illinois, October 1989.
“Orthopaedic Manifestations of Rett Syndrome”
3. Use of 3-D Computerized Tomography in Orthopaedic Trauma.
4. AOA Resident's Conference, Ann Arbor, Michigan, March 1992.
“Use of Reconstruction Type Nails for the Treatment of Pathologic Femur Fractures”
5. The Ninth Combined Meeting of the Orthopaedic Associations of the English-Speaking

- World. Toronto, Ontario, Canada, June 1992.
“Somatosensory Evoked Potential Monitoring in the Surgical Treatment of Acute, Displaced Acetabular Fractures: Results of a Prospective Study”
6. Smith and Nephew Richards Tenth Annual Resident's Conference, Memphis, Tennessee, August 1992.
“The Use of Reconstruction Type Nails for the Treatment of Pathologic Femur Fractures”
 7. Orthopaedic Trauma Association, Minneapolis, Minnesota, October 1992. “Documentation: A Database and Radiographic Digitization System for Orthopaedic Trauma”
 8. Surgery of the Pelvis and Acetabulum: An International Consensus, Pittsburgh, Pennsylvania, October 1992.
“The Crescent Fracture: The Posterior Fracture Dislocation of the Sacroiliac Joint”
 9. AAOS, San Francisco, California, February 1993.
“Use of Three-Dimensional Computerized Tomography for the Evaluation of Intra-articular Fractures”
 10. AOA Resident's Conference, Seattle, Washington, March 1993.
“The Crescent Fracture: Posterior Fracture Dislocation of the SI Joint”
 11. Orthopaedic Research Society, New Orleans, September 1994.
“Effect of Impact Load on Articular Cartilage: A Model for Die Punch Fractures”
(Finalist-New Investigator Recognition Award).
 12. Orthopaedic Trauma Association, Tampa, Florida, September 1995.
“Effect of Impact Load On Articular Cartilage: A Model for Die-Punch Intra-articular Fractures “(paper presentation).
 13. AAOS, Atlanta, Georgia, February 1996.
“Effect of Impact Load on Articular Cartilage: A Model for Die-Punch Intra-Articular Fractures”
 14. Orthopaedic Trauma Association, Louisville, Kentucky, October 1997.
“Displaced Intra-Articular Fractures of the Distal Radius: Long Term Functional Outcome in Young Adults”
 15. Orthopaedic Trauma Association, Vancouver, British Columbia, Canada, October 1998.
“Intraneural Sciatic Nerve Pressures Relative to the Position of the Hip and Knee. A Human Cadaveric Study”
 16. AAOS, Anaheim, California, February 1999.
“Intraneural Sciatic Nerve Pressures Relative to the Position of the Hip and Knee. A Human Cadaveric Study” (podium presentation)
 17. Orthopaedic Trauma Association, San Diego, California, October 2001.
“Chondrocyte Apoptosis Following Articular Cartilage Injury” (podium presentation).

18. American Fracture Association, Havana, Cuba, November 2001.
“Chondrocyte Apoptosis Following Articular Cartilage Injury: Functional Outcome After Isolated Acetabular Fracture”
19. OTA Residents Basic Fracture Course, Toronto, Ontario, Canada, October 2002.
“Stable Fixation - Interfragmentary Compression: The Principle of the Lag Screw.”
20. AAOS, Poster Presentation, New Orleans, Louisiana, February 2003.
“Functional Outcome After Open Reduction and Internal Fixation of Both Bone Forearm Fractures”.
21. AAOS, Instructional Course Lecture, New Orleans, Louisiana, February 2003.
“Both Bone Forearm Fractures: Assessment and Treatment”
22. AOFAS, New Orleans, Louisiana, February 2003.
“Controversies Tibial Plafond Fractures: How Can We Safely Plate Most?”
23. American Fracture Association, Napa Valley, California, April 2003
“Distal Femoral Locking Plates”
“Calcium Sulfate as a Bone Extender in the Treatment of Long Bone Nonunions”
24. AAOS, Instructional Course Lecture, San Francisco, California, March 2004.
“Both Bone Forearm Fractures: Assessment and Treatment”
“Tibial Plafond Fractures-Current Techniques and Controversies: Approaches and Techniques for Definitive Plating.”
25. OTA Residents Basic Fracture Course, Ft. Lauderdale, Florida, October 7, 2004.
“Effects of Blunt Impact Injury to Cartilage”
“Stable Fixation: Interfragmentary Compression. The Lag Screw Principal”
26. Orthopaedic Trauma Association Annual Meeting, Ft. Lauderdale, Florida, October 8-10, 2004
“Muscle Strength Recovery and Functional Outcome After Acetabular Fractures” podium presentation
“The Emergent Management of Tibial Plateau Fractures”
“Long-Term Functional Results of Distal Radius Fractures in Young Adults”
27. Orthopaedic Trauma Association Annual Meeting, Ottawa, Ontario, Canada, October 19-22, 2005
"Stable Fixation: Interfragmentary Compression: Lag Screw Principle"
28. AAOS, Instructional Course Lectures, Chicago, Illinois, March 22-26, 2006
“Minimally Invasive Plating Techniques: Cosmetic or Real Advance vs Open Indirect Reduction Techniques”
“Both Bone Forearm Fractures: Assessment, Treatment & Outcome Assessment”
“Approaches & Techniques for Definitive Plating”

29. Orthopaedic Trauma Association Annual Meeting, Phoenix, Arizona, October 4-7, 2006
“Can a single High-Energy Impact Load Cause the Development of Post-Traumatic Osteoarthritis – podium presentation”
“Absolute Stability: Lag Screw/Compression Plating”
“Effects of Impaction Injury to Cartilage - Strategies to Study Them”
30. AAOS Annual Meeting, San Diego, California, February 11-14, 2007.
31. Orthopaedic Trauma Association Meeting, Boston, Massachusetts, October 17-20, 2007.
“Assessing Recovery Following a High Energy Pilon Fracture” – (poster presentation)
32. Orthopaedic Trauma Association Meeting, Denver, Colorado, October 15-18, 2008
“Effects of High Energy Impact Loads on the Biomechanical and Structural Properties of Articular Cartilage and Subchondral Bone” (paper presentation)
33. Orthopaedic Trauma Association Annual Meeting, San Diego, California, October 7-10, 2009
“Cartilage Injury and Repair – An Overview”
“CT Analysis and Functional Outcomes of Tibial Plateau Fractures Treated with ORIF and a Calcium Sulfate / Calcium Phosphate Composite Graft” – Podium Presentation
34. AAOS Annual Meeting, OTA Speciality Day, February 19, 2011, San Diego, California
“BMP's On-Label Uses”

Invited Faculty, Educational Courses:

1. AAOS Surgery of the Pelvis and Acetabulum, Chicago, Illinois, Laboratory Instructor, May 1994.
2. AO ASIF Operating Room and Nursing Personnel Course, New York, New York, June 1994.
"Design and Function of the Large AO Screws"
"Lag Screw Principle"
3. AO ASIF Residents Basic Course, Charlotte, North Carolina, Table Instructor, Nov. 1994.
4. AO ASIF Operating Room and Nursing Personnel Course, Morristown, New Jersey, January 1995.
"Bone Healing"
5. Trauma Symposium: Current Concepts in the Treatment of Tibia Fractures, Morristown, New Jersey, January 1995.
"Treatment of Closed Tibia Fractures"
"The Treatment of Type III Open Tibia Fractures"
6. AO ASIF Residents Advanced and Basic Course, Toronto, Ontario, Canada, February 1995.
"Direct Reduction Techniques" and Table Instructor.
7. AO ASIF Residents Basic Course, New Orleans, Louisiana, August 1995.
"Bone as a Tissue: Vascularity, Stability and Healing"

- "Management of Articular Fractures" and Table Instructor.
8. Faculty, Salzburg-Cornell Seminars, Salzburg, Austria, October 1995.
"Pelvic Fractures"
"Acetabular Fractures"
"Acute, Chronic and Delayed Treatment of Tibia Fractures".
 9. Faculty, International Conference on Pelvic and Lower Extremity Injuries (PLEI), Washington, DC, December 1995.
"Clinical Aspects of Knee, Tibia and Fibula Injuries".
 10. AAOS, Chicago, Illinois, May 1997.
"Fractures of the Pelvis and Acetabulum: Decision-Making and Surgical Management Techniques."
 11. AO ASIF Operating Room Personnel Course - Faculty, Kansas City, Missouri, September 1997.
 12. AO International - Seminar for Course Organizers, Davos, Switzerland, December 1997.
 13. AO ASIF Operating Room Personnel Course - Chairman, St. Louis, Missouri, September 1998.
 14. AO ASIF Principles of Fracture Management and Advanced Controversies in Fracture Care Course, Sun Valley, Idaho, March 1999.
"Articular Fractures: Principles of Management"
 15. AO ASIF Principles of Fracture Management and Advanced Controversies in Fracture Care Course, Sun Valley, Idaho, March 1999.
"Anterior Ring Fixation – Indications"
 16. Early Fall Clinical Course, Kiawah Island, South Carolina, September 1999.
"Total Joint Arthroplasty, Current Issues, Concepts & Considerations"
 17. AO ASIF Orthopaedic Trauma, Minnetonka, Minnesota, October 1999.
"Team Approach to Fracture Management"
 18. AO ASIF Principles of Fracture Management Course for Residents, Tulsa, Oklahoma, November 1999.
"Relative Stability: Bridge Plate"
 19. Advanced Fracture Symposium, St. Louis, Missouri, December 1999.
"Pilon Fractures and Calcaneal Fractures"
 20. AO ASIF Principles of Fracture Management Course for Residents, East Brunswick, New Jersey, January 2000.
"Articular Fractures: Principles of Management"

21. OTA Trauma Management and Controversies in the New Millennium, Kansas City, Missouri, April 2000. "Calcaneus Fracture Treatment"
22. AAOS Practical Techniques for Improved Fracture Management, Chicago, Illinois, May 2000. "Forearm Fractures: Indications, Approaches, Pearls"
23. AO North America Visiting Professor, Presbyterian Hospital of Plano, Dallas, Texas, May 2000.
24. AO ASIF Principles of Fracture Management Course for Residents, Chicago, Illinois, July 2000.
25. Marshfield Clinic Orthopaedic Symposium, Marshfield, Wisconsin, September 2000.
"Management of Nonunions-Experience with Calcium Sulfate as a Bone Graft Substitute"
"A Calcium Sulfate Based Putty: Applications In Trauma"
26. AO North America Visiting Professor, University of Kansas, Wichita, Kansas, September 2000. "Pilon Fractures: Assessment and Treatment"
27. AO ASIF Principles of Fracture Management for Residents Toronto, Ontario, Canada, November 2000. "Indications and Techniques for Internal Fixation"
28. AO ASIF Principles Advanced Fracture Fixation, Maxillofacial and Spine Courses, Davos, Switzerland, December 2000. "Unstable Intertrochanteric Fractures – DHS"
29. AO ASIF Principle of Fracture Management Course for Residents, Dallas, Texas, January 2001. "Articular Fractures: Principles of Management"
30. AO ASIF Principles of Fracture Management & Advanced Controversies in Fractures Care Course, Ponte Vedra, Florida, May 2001. "Relative Stability: Bridge Plate"
31. OTA Update on Orthopaedic Trauma and Fracture Management, Providence, Rhode Island, July 2001. "Provisional External Fixation: Specifics"
32. AO ASIF Principles of Fracture Management for Residents Course, Los Angeles, California, January 2002. "AO Principles and Philosophy Progress and Evolution"
33. Visiting Professor SIU School of Medicine, Springfield, Illinois, April 2002.
"Assessment and Management of Acetabular Fractures"
"Assessment and Treatment of Pilon Fractures"
"Pelvic Fractures"
34. Visiting Professor, St. Luke's-Roosevelt Hospital Center, New York, New York, May 2002. "Acetabular Fractures: Assessment, Treatment and Recent Advancements"
"Assessment and Treatment of High Energy Talus Fractures"
35. AO ASIF Operating Room Personnel Course – Chairman, Harrah's Casino and Hotel, St. Louis, Missouri, June 2002.

36. AO ASIF Principles in Fracture Management Course for Residents, Milwaukee, Wisconsin, July 2002.
“Articular Fractures: Principles of Management”
“Review of Articular Fracture Principles”
37. AO ASIF Principles of Fracture Management Course for Residents, East Brunswick, New Jersey, September 2002.
“Bone: Fracture Classification: A Guide to Clinical Decision Making”
“Articular Fracture: Principles of Management”
38. American Fracture Association, Panama/Costa Rica, October 2002
“Functional Outcome After Open Reduction and Internal Fixation of Both Bone Forearm Fractures”
39. OTA Trauma Update, Nashville, Tennessee, November 2002.
“To Fix or Not to Fix, That is The Question”
40. Visiting Professor, Thomas Steger Memorial Lecture - Duke University Medical Center, Durham, North Carolina, December 2002.
“Acute Cartilage Injury and the Development of an In-Vivo Animal Model”
41. Fracture Forum - Beaver Creek, Colorado, January 2003.
“Distal Tibia Fractures”
42. AO ASIF Foot and Ankle Course - Sun Valley, Idaho, March 2003.
“Talar Body and Peripheral Fractures”
“Malleolar Fractures without Syndesmotic Injuries”
“ORIF of Pilon Fractures”
43. AO Lecture - DePaul Medical Center, St. Louis, Missouri, January 2003.
“Locked Plating”
44. AO Visiting Professor Lecture - Columbia, Missouri, April 2003.
“Biomechanics and Principles of Locked Plating”
45. 65th Annual Meeting & Scientific Program American Fracture Association – Napa Valley, California, April 2003
“Calcium Sulfate as a Bone Graft Extender in the Treatment of Long Bone Nonunions”
46. AO North America Visiting Professor Lecture - Carbondale, Illinois, May 2003.
“Locked Plating and Less Invasive Stabilization System”
47. AAOS Fractures of the Pelvis and Acetabulum: State of the Art Management Techniques, Chicago, Illinois, May 2003.
“Radiology and Classification”
48. ORP Nursing Course – Branson, Missouri, May 2003.
“IM Nailing -- History & Current Controversies”

49. AO ASIF Principles of Fracture Management - Columbus, Ohio, July 2003.
“Relative Stability: Bridge Plate”
“Articular Fractures: Principles of Management”
50. OTA Residents Basic Fracture Course, Salt Lake City, Utah, October 2003.
“Stable Fixation - Interfragmentary Compression: The Principle of the Lag Screw”
51. Visiting Professorship – University of Washington, Harborview Medical Center, Seattle, Washington, December 2003.
“Cartilage Injury”
52. Visiting Professorship – McLaren Regional Medical Center, Flint, Michigan, January 2004.
"Advances in Treatment of Periarticular Fractures about the Knee"
"Acetabular Fractures: Preoperative Evaluation, Treatment and Assessment of Outcomes”
53. AOA Austrian, Swiss, German Exchange Traveling Fellowship - Southern German Orthopaedic Society Meeting, Baden, Baden, Germany, May 1, 2004.
“Functional Recovery After Osteosynthesis of Acetabular Fractures”
54. AOA Austrian, Swiss, German Exchange Traveling Fellowship - Uniklinik Balgrist, Zurich, Switzerland, May 13, 2004
“Effects of Impact Load on Articular Cartilage”
55. AO Basic Residents Course, Minneapolis, Minnesota, August 18 - 22, 2004
“AO Research Institute”
“Surgical Reduction Techniques: Respecting the Behavior of Bone”
56. SLAOT Meeting, Isla de Margarita, Porlamar, Venezuela, October 22-24, 2004
“Supracondylar Humerus Fractures”
“The Two Staged Treatment Protocol for High Energy Pilon Fractures”
57. AO Symposium - Treatment Options for Difficult Fx: A New Technology Symposium, St. Louis University, March 19, 2005
“Locking Compression Plates in Proximal Tibia Fractures”
58. Visiting Professor, University of Missouri-Columbia, Columbia, Missouri, March 22-23, 2005.
“Pilon Fractures”
“Assessment and Treatment of Acetabular Fractures”
59. OTA Orthopaedic Fracture Management and Orthopaedic Emergencies, St. Louis, Missouri, May 13-15, 2005
“Distal Femur Management”
“Young Patient, Displaced Femoral Neck: How, When, Why?”
60. AAOS - 2005 Orthopaedic Learning Center Pelvic and Acetabular Course - Rosemont, Illinois, May 20-22, 2005.

- "Posterior Pelvic Open Reduction and Internal Fixation Techniques"
61. Missouri State Medical Association Annual Meeting, St. Louis, Missouri, June 11-12, 2005.
"Minimally Invasive Surgery Trauma Care"
 62. AAOS Techniques in Orthopaedic Trauma, Chicago, Illinois, September 23-25, 2005
"Tips on Proximal Humeral Replacement"
"Elbow Replacement for Trauma"
"Pilon: Decision Making"
 63. AO Midwest Regional Trauma Summit, Madison, Wisconsin, September 30-October 2, 2005.
"Elbow Fractures: Surgical Strategies and Approaches"
 64. AO North America Visiting Professor - Northwestern University, Feinberg School of Medicine, Chicago, Illinois, December 1-2, 2005.
"ORIF High Energy Pilon Fractures"
"Acetabular Fractures: Assessment and Treatment"
 65. AO North America ORP Nursing Course, Kansas City, Missouri, December 9-10, 2005.
"Introduction to Locking Compression Plates"
"Treatment of Acetabular Fractures"
 66. AO North America Principles of Fracture Management – Advanced Course Chairman, Marco Island, Florida, June 5-9, 2006.
"Debate: Early Total Care - Module 5: Diaphyseal Fractures: Femoral Shaft"
"Diaphyseal Nonunion - Evaluation and Treatment"
"How to be a Learning Surgeon"
 67. AO North America Principles of Fracture Management, Leeds, United Kingdom, July 10-13, 2006.
"Injury Patterns - Fractures"
"Emergency Management of Pelvic Fractures"
 68. AO North America Operating Room and Nursing Personnel Course, St. Louis, Missouri, July 14-15, 2006.
"Introduction to AO ASIF Internal Fixation Workshop"
 69. AO St. Louis Regional Trauma Summit, St. Louis, Missouri, July 28-30, 2006
"Elbow Fractures: Surgical Strategies and Approaches"
"Point/Counterpoint Debate: Proximal and Distal Tibia Fractures – Plate ‘Em’"
"Keynote Address: AONA"
 70. AOA ASG Traveling Fellowship, Strasbourg, France, September 24-26, 2006
"Pilon Fracture Protocols"
"Ankle Fracture in the Diabetic Patient"
 71. AO North America Visiting Professor, Massachusetts General Hospital, Boston,

- Massachusetts, October 18, 2006
“Effects of Impact Load on Articular Cartilage”
72. AO Advances in Fracture Management, New Delhi, India, November 8-10, 2006
“Percutaneous/MIPO Reduction and Plate Fixation”
“Complex Fractures of the Distal Femur”
“Fractures of the Ankle – Overview”
“Calcaneus Fractures”
73. AO North America Principles and Advanced Operating Room Personnel Course, Dallas, Texas, February 2-3, 2007.
74. AAOS OLC Pelvic and Acetabular Fracture: Advanced Concepts, Details and Improved Technique, Rosemont, Illinois, May 3-6, 2007.
“Anterior Pelvic Open Reduction and Fixation Techniques”
75. Visiting Professor, Louis J Levy Symposium, Fort Worth, Texas, June 22, 2007
“Post-Traumatic Osteoarthritis”
76. 1st Annual Fellows Day Key Note Speaker, Tampa, Florida, July 19-20, 2007
“Development of a Post-Traumatic Osteoarthritis Following a Single High Energy Impact Load”
77. AAOS-SLAOT International Meeting – Mexico City, Mexico, September 7-8, 2007
“Transverse Acetabular Fractures: Assessment, Decision Making, Surgical Approaches, and PEARLS”
“ORIF vs Limited Internal Fixation and External Fixation” – Debate
78. Visiting Professor – University of California – Irvine, Irvine, California, September 19-20, 2007
“Advanced in the Evaluation, Treatment and Post-Operative Assessment of Patients with Acetabular Fractures”
“Development of a Post-Traumatic Osteoarthritis Following a Single High Energy Impact Load”
79. AO Masters Course, Istanbul, Turkey, September 28-29, 2007
“Percutaneous/MIPO Reduction and Plate Fixation”
“Complex Fractures of the Distal Femur”
“Calcaneus Fractures”
“Fractures of the Acetabular – Results and Complications”
“Fractures in the Elderly – The Problem”
“Special Implants – Tips and Tricks”
“Periprosthetic Fractures”
“Fractures of the Radius and Ulna – Overview”
80. AAOS-OTA Strategies and Tactics in Orthopaedic Extremity Trauma #3125
Rosemont, Illinois, December 6-8, 2007

- “Proximal Forearm Assessment: Reduction and Fixation Options”
81. AO North American Basic Principles and Techniques of Operative Fracture Management Course For Residents, Houston, Texas, February 20-24, 2008
“Overview of the AO Foundation”
“Principles of Management - Articular Fractures”
 82. 3rd Annual San Francisco Orthopaedic Trauma Course, San Francisco, California, May 1-3, 2008
“Osteoinductive Biologics: rhBMP-2”
“Antegrade Nailing: Piriformis vs Trochanteric Femur Entry”
 83. International Fracture Society for Fracture Repair - 11th Biennial Meeting, Lake Tahoe, Nevada, July 13 – 16, 2008
“A Prospective Functional And CT Analysis Of A Calcium Sulfate / Calcium Phosphate Composite Graft In Proximal Tibia Fractures” (abstract presentation)
 85. AO North America Visiting Professor, Texas Tech Health Sciences Center, El Paso, TX, August 13, 2008
“A Model for Post-Traumatic Osteoarthritis”
“Acetabular Fractures: Improving Assessment and Functional Outcome”
 86. British Orthopaedic Association, Liverpool, England, September 17-20, 2008.
“Pelvic Hemorrhage”
“Bicondylar Proximal Tibial Fracture Fixation”
 87. 10th Annual Central American Congress, San Jose, Costa Rica, October 1-4, 2008
“Fractures of the Pelvis”
“Fractures of the Acetabulum”
“Fractures of the Tibial Pilon”
“Fracture of the Elbow”
“Distal Femur and Proximal Tibia Fractures”
 88. Midland Memorial Hospital Visiting Professor, Midland, Texas, December 3, 2008
“The Development of Post-Traumatic Osteoarthritis”
 89. AAOS Techniques in Orthopaedic Trauma, Orthopaedic Learning Center, Rosemont, IL, December 8-10, 2008.
“Both Bone Forearm Fractures”
 90. AO North America Visiting Professor, St. Luke’s Roosevelt Hospital, New York, NY, January 28-29, 2009
“Current Treatment for High Energy Tibial Plateau Fractures”
“Evolution of Care for Acetabular Fractures”
 91. AO North America Visiting Professor, Northwestern University Medical Center, Chicago, Illinois, February 12-13, 2009
“Development of a Model for Post-Traumatic Osteoarthritis”

92. Distinguished Visiting Professor - University of Texas Medical Branch – Austin, Texas, March 18, 2009
“Development of a Model for Post-Traumatic Osteoarthritis”
93. AO North America Visiting Professor, Little Rock, Arkansas, March 30-31, 2009.
“Evolution of Care for Acetabular Fractures”
94. 4th Annual San Francisco Orthopaedic Trauma Course, San Francisco, California, April 29 – May 2, 2009
“Osteoinductives: When to Select BMPs (-2 and -7)”
95. AO Advanced Course Program, Ribeirão Preto, Brazil, August 19-22, 2009
“Early Fixation or Damage Control in the Polytrauma Patient with Orthopedic Injury”
“Staged Management in Tibial Pilon Fractures”
“Complex Distal Femur Fractures in Elderly Patients”
“Acetabulum Fractures: Diagnostics and Treatment Principles”
96. AO North America Visiting Professor, Banner Good Samaritan Hospital, Phoenix, Arizona, September 8-9, 2009
“Two Stage Protocol for the Treatment of High Energy Tibial Plateau Fracture”
"Evolution of Care for Acetabular Fractures"
97. 5th Annual San Francisco Orthopaedic Trauma Course (USCF), San Francisco, California, April 22-24, 2010
“Distal 1/3 Femur Fractures: Nailing vs Plating”
“BMPs: On Label Use”
98. Fingers to Toes: Orthopaedic Review, University of Texas - Southwestern Medical Center Dallas, Texas, April 30-May 1, 2010
“When Things Haven’t Gone Right – Nonunions/Malunions”
99. Distinguished Visiting Professor, University of California, Davis, Sacramento, CA, June 17-18, 2010
“Evolving Treatment of Acetabular Fractures”
“The Development of a Posttraumatic Osteoarthritis Model”
100. AO Trauma Course: Advances in the Surgical Treatment of Fractures, Caracas, Venezuela, July 8-10, 2010
“Choosing the Approach to the Articular Fracture of the Distal Humerus”
“Conventional Plating of Distal Femoral Fractures”
“Soft Tissue Assessment and Staged Treatment of High Energy Tibial Plateau Fractures”
“Planning the Pilon Fracture Fixation”
“Damage Control Orthopaedics in Polytrauma”
“How Should We Fix Humeral Shaft Fractures”
101. Southwestern Orthopaedic Association Meeting, Phoenix, Arizona, September 16-19, 2010
“Healthcare Reform: How Will It Affect The Orthopaedist Taking Call?”
“Tibial Pilon Fractures”

102. Orthopaedic Trauma Association Meeting, Baltimore, Maryland, October 13-16, 2010
“Grantsmanship 101: Writing an Effective Proposal: Hypothesis, Specific Aims, Background and Significance, and Preliminary Studies”
103. AO North America Trauma Course: Polytrauma, Davos, Switzerland, December 7-10, 2010
“Scoop and Run, or Stay and Play - Evidence Today”
“Which Surgical Strategy (DCO-ET) and Why?”
104. AO North America Basic Principles and Techniques of Operative Fracture Management Course for Residents, San Antonio, Texas, February 3-6, 2011
“History of Fracture Care and Evolution of Principles”
“Malunions”
105. 6th Annual San Francisco Orthopaedic Trauma Course (UCSF), San Francisco, California, April 28-30, 2011
“Peritalar Fractures and Dislocations Management”
“Low Energy Tibial Plateau Fractures: Open vs. Percutaneous Techniques”
“Workup of the Patient with a Nonunion”
106. Fingers to Toes: A Musculoskeletal Clinical Correlation Conference, University of Texas - Southwestern Medical Center, Dallas, Texas, May 6-7, 2011
“Pelvis, Hip and Thigh Anatomy - Examination and Imaging”
107. Tampa Bay Orthopaedic Society Lecture, Tampa, Florida, June 16, 2011
“The Evolution of Acetabular Fracture Care”
108. USF Annual Research Symposium - Visiting Professor, Tampa, Florida, June 17-18, 2011,
“The Shoes You Have To Fill - Creation of a Model for Studying Post-Traumatic Osteoarthritis”
109. Southwest Orthopaedic Trauma Association Annual Meeting, Michael Marshall Memorial Lecture, September 24, 2011
“Advances in the Treatment of Acetabular Fractures”
110. AO North America Advanced Principles and Techniques of Operative Fracture Management (Course Chair), Dallas, Texas, March 8-11, 2012
“Diaphyseal Fractures: Humerus Plate: Indications/Techniques/Anything New?”
111. Bone Health 2012, University of Texas Southwestern Medical Center, Dallas, Texas, March 31, 2012
“Orthopaedic Management of Atypical Bone Fractures”
112. UCSF 7th Annual Trauma Course, San Francisco, California, April 19-21, 2012
“Transferring the Polytrauma Patient: When and How”
“Effects of Pelvic Trauma on Sexual Function”
113. Synthes ORP Principles Course, Tulsa, Oklahoma, June 22-23, 2012
“Internal Fixation of Ankle Fractures”

114. Synthes Fracture Management of the Geriatric Patient, Plano, Texas, July 20, 2012
“Periprosthetic Supracondylar Femur Fractures”
115. AO Trauma Course – Ribeirao Preto, Brazil, August 22-25, 2012
“Limitation in the Use of Locking Nails on the Femur and the Tibia - Proximal and Distal”
“Early Treatment of Tibial Pilon Fractures - Future Planning”
“Mangled Extremity - Scores for Salvation or Amputation?”
116. Synthes ORP Basic Principles Course, Shreveport, Louisiana, February 22-23, 2013
“Bone Injury and Repair”
117. UCSF 8th Annual Trauma Course, San Francisco, California, May 16-18, 2013
“Is There An Indicator for Locking Plates in Ankle Fractures?”
“Chondroprotective Agents Post-Fracture: What is the Evidence?”
118. UCSF 9th Annual Trauma Course, San Francisco, California, April 24-26, 2014.
“Lower Extremity Trauma: Penetrating Musculoskeletal Injuries: How Are They Different?”
“DVT Prophylaxis After Discharge: Who and For How Long?”
119. Advanced Course of Fracture Management for Operating Room Personnel - Dallas, TX, July 25-26, 2014.
“AO History and Principles of Internal Fixation”
“Tibial Plateau Fx”
120. UTMB Grand Rounds Presentation – League City, Texas, February 18, 2015
“Osteoporosis: What It Is, How It Develops, Epidemiology, Assessment and Treatment”
121. AAOS Annual Meeting – Las Vegas, Nevada, March 27-28, 2015
“The Potential Negative Effects of Osteoporosis Treatment on Fracture Healing”
122. USCF 10th Annual Trauma Course, San Francisco, California, May 1-2, 2015
“Proximal Tibia Fracture: Selecting the Right Approach”
“DVT Prophylaxis After Polytrauma: Protocols”
123. Breakthroughs Conference – National Harbor, Maryland, June 25, 2015
“Handle with Care: Fragility Fracture Programs”
124. USCF 11th Annual Trauma Course, San Francisco, California, April 28-30, 2016
“Practical Tips and Tricks: Subtrochanteric Femur Fractures”
“Complex Knee Injuries: Timing and Treatment. Dysvascular Limb”
125. OTA Basic Science Focus Forum – National Harbor, Maryland, October 2016
Co-Moderator: Treatment of Bone Defects: Current Insights
125. USCF 12th Annual Trauma Course, San Francisco, California, April 27-29, 2017
“Comminuted Patella Fractures: Plate, Band or Excise?”
“Acute Management of Acetabular Fractures”

125. OTA Basic Science Focus Forum – Vancouver, BC, Canada, Oct 11-12, 2017
Co-Moderator: Joint Impact Injuries of the Lower Extremity
“The Basic Science/Molecular Make-up and Response to Injury of Articular Cartilage”
126. USCF 13th Annual Trauma Course, San Francisco, California, April 26-29, 2018
“Patellar Fractures: Selecting the Best Fixation”
“Post-traumatic Cartilage Injury: Is there a Magic Potion”
127. OTA Basic Science Focus Forum, Orlando, FL, Oct 10-11, 2018
Co-Moderator: Cell Based Therapies for Fracture Healing

Invited Speaker: BSFF/2018 International Trauma Care Forum
“Limitations of Autologous Bone Graft”
128. 16th Annual, Current Solutions in Orthopedic Trauma, Tampa, FL, Nov 16-18, 2018
“Fractures About a Total Knee: Why Plates are the Solution”
“Compartment Syndrome: Current Solutions”
“Intertrochanteric Hip Fractures: Why Old School Still Works”

Audio-Digest CME/CE:

1. **Borrelli J.** Forbidding Fractures: Distal Third Femur Fractures: Nailing vs Plating. *Audio-Digest Orthopaedics* Volume 34, Issue 2 Jan 21, 2011, ISSN 0271-132X
2. **Borrelli J.** Traumatic Injuries: Treatment of Low-Energy Tibial Plateau Fractures: Open versus Percutaneous. *Audio-Digest Orthopaedics* Volume 34, Issue 17, September 7, 2011, ISSN 0271-132X.
3. **Borrelli J.** Traumatic Injuries: Managing Peritalar Fractures and Dislocations. *Audio-Digest Orthopaedics* Volume 34, Issue 17, September 7, 2011, ISSN 0271-132X.
4. **Borrelli J.** Understanding Coding/Work-Up of Nonunion/Chronic Osteomyelitis. *Audio-Digest Orthopaedics* Volume 35, Issue 07, April 7, 2012, ISSN 0271-132X.

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2. Frankle M, **Borrelli J:** The Effects of Testosterone Propionate and Methenolone Enanthate on Healing of Humeral Osteotomies in the Wistar Rat. *J Invest Surg* 3(2):93-113, 1990.
3. Guidera K, **Borrelli J,** Raney E, Thompson-Rangel T, Ogden JA: Orthopaedic Manifestations of Rett Syndrome. *J Pediatr Orthop* 11(2):204-208, 1991.
4. Helfet DL, **Borrelli J,** DiPasquale T, Sanders R: Stabilization of Acetabular Fractures in

- Elderly Patients. *J Bone Joint Surg* 74-A(5):753-764, 1992.
5. Koval KJ, Sanders R, **Borrelli J**, Helfet D, DiPasquale T, Mast JW: Indirect Reduction and Percutaneous Screw Fixation of Displaced Tibial Plateau Fractures. *J Orthop Trauma* 6(3):340-346, 1992.
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 9. Westrich GH, **Borrelli J**, Ghelman B, Lyden JP, Helfet DL: Computerized Tomography for the Evaluation of Post-Traumatic Multiplane Deformities of the Tibia. *Am J Orthop* (Suppl):7-10, 1995.
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 11. **Borrelli J**, Koval KJ, Helfet DL: The Crescent Fracture: A Posterior Fracture Dislocation of the Sacroiliac Joint. *J Orthop Trauma* 10(3):165-170, 1996.
 12. Helfet DL, Shonnard PY, Levine D, **Borrelli J**: Minimally Invasive Plate Osteosynthesis Of Distal Fractures Of The Tibia. *Injury* 28(suppl 1):S42-S48, 1997.
 13. **Borrelli J**, Torzilli PA, Grigiene R, Helfet DL: Effect of Impact Load on Articular Cartilage: Development of an Intra-Articular Fracture Model. *J Orthop Trauma* 11(5): 319-326, 1997.
 14. Catalano LW, Cole RJ, Gelberman RH, Evanoff BA, Gilula LA, **Borrelli J**: Displaced Intra-Articular Fractures of the Distal Aspect of the Radius. Long-Term Results in Young Adults After Open Reduction and Internal Fixation. *J Bone Joint Surg* 79-A(9):1290-1302, 1997.
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83. **Borrelli J,** Starr A, Downs D, North C. Prospective Study of the Effectiveness of Paroxetine on the Onset of Posttraumatic Stress Disorder, Depression, and Health and Functional Outcomes After Trauma. (*accepted for publication, J Ortho Trauma*)

Manuscripts In Progress/Submitted for Publication:

1. **Borrelli J,** Olson SA, Schemitsch EH, Stannard JP, Giannoudis PV. Understanding Articular Cartilage Injury and Potential Treatments. (*accepted for publication, J Orthop Trauma Suppl*)
2. **Borrelli J,** Schneider P, Weil Y, Pape HC. Cell Based Therapies for Fractures. (*in progress*)

Books Edited:

1. Pape H, Sanders R, **Borrelli J.** (eds). *The Poly-Traumatized Patient with Fractures: A Multi-Disciplinary Approach.* Berlin/Heidelberg: Springer-Verlag, 2011.
2. Pape H, Sanders R, **Borrelli J.** (eds). *The Poly-Traumatized Patient with Fractures: A Multi-Disciplinary Approach 2nd Edition.* Berlin/Heidelberg: Springer-Verlag, 2016.

3. **Borrelli J**, Anglen J. (eds) *Arthroplasty for the Treatment of Fracture in the Older Patient 1st Edition*. Berlin/Heidelberg: Springer-Verlag, August 2018.
4. Giannoudis P, Krettek C, **Borrelli, J.** (eds). *Treatment of Bone Defects*, CRC Press, Taylor & Francis Group, LLC, (scheduled for publication, 2019).
5. Crist B, Harvey E, **Borrelli J.** (eds) *Essential Biomechanics for Orthopedic Trauma: A Case Based Guide*, Berlin/Heidelberg: Springer-Verlag, (scheduled for publication 2019).

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