

Mark A. Mighell, M.D.

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Florida Orthopaedic Institute
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Temple Terrace, FL 33637
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Educational Background

University

University of Virginia
Charlottesville, VA
1986

Medical School

University of Maryland School of
Medicine
Baltimore, MD
1990

Internship

Portsmouth Naval Hospital
Portsmouth, VA
1994

Residency

Portsmouth Naval Hospital
Portsmouth, VA
1999

Fellowship

Shoulder & Elbow
Florida Orthopaedic Institute
Temple Terrace, FL
1999

Employment History

- Florida Orthopaedic Institute, 2001-Present
- Portsmouth Naval Medical Center, 1994-2001
- United States Navy, 1990-1994

Faculty Appointments

- The American Board of Orthopaedic Surgery, Board Examiner, 2011- Present
- University of South Florida, Department of Orthopaedic Surgery, Associate Professor, 2009-Present
- Florida Orthopaedic Institute, Shoulder and Elbow Fellowship Program, Co-Director, 2001-Present
- Uniformed Services University of the Health Sciences, F. Edward Hebert School of Medicine, Instructor of Surgery, 1998-Present
- Portsmouth Naval Medical Center, Sports Medicine and Shoulder Reconstructive Services, Faculty, 1998-2001

Board Certifications

- American Board of Orthopaedic Surgeons

Other Training

- Hyperbaric Medicine Major, Naval Undersea Medical Institute, 1992
- Aviation Physiology Clerkship, Naval Air Stations, 1988

Awards and Honors

- Navy Commendation for duties performed while DMO
- Recipient of 'Best Doctors in America' Award, 2007-Present

Professional Affiliations

- Foundations for Orthopaedic Research and Education, Board Member
- American Board of Orthopaedic Surgeons
- American Academy of Orthopaedic Surgeons
- American Shoulder and Elbow Surgeons American Orthopaedic Association
- Society of Military Orthopaedic Surgeons
- Florida Orthopaedic Society
- Alumni Association of the University of Maryland
- Journal of Bone and Joint Surgery, Reviewer
- Journal of Orthopaedic Trauma, Reviewer
- Journal of Shoulder and Elbow Surgery, Reviewer
- Clinical Orthopaedics and Related Research, Reviewer
- Orthopedics Today, Trauma Section Reviewer

Community Involvement

- Bethesda Naval Hospital, Volunteer to evaluate and treat troops coming home from Operation Enduring Freedom, Iraq.
- University of Tampa, Guest speaker and instructor of shoulder and elbow surgical technique and rehabilitation to students enrolled in the Physical Therapy Program
- Plant High School Varsity Football Team Physician

Publications

- Saltzman BM, Erickson BJ, Harris JD, Gupta AK, Mighell M, Romeo AA. Fibular Strut Graft Augmentation for Open Reduction and Internal Fixation of Proximal Humerus Fractures: A Systematic Review and the Authors' Preferred Surgical Technique. *Orthop J Sports Med.* 2016 Jul;4(7):2325967116656829 doi:10.1177/2325967116656829
- Mighell MA, Stephens B, Stone GP, Cottrell BJ. Distal Humerus Fractures: Open Reduction Internal Fixation. *Hand Clinics.* 2015 Nov;31(4):591-604.
- Cusick MC, Cottrell BJ, Cain RA, Mighell MA. Early Incidence of Tendon Rupture after Distal Biceps Repair. *J Shoulder Elbow Surgery.* 2014 Oct;23(10):1532-6.
- Kovack TJ, Jacob PJ, Mighell MA. Elbow Arthrodesis: A Novel Technique and Review of the Literature. *Orthopedics.* 2014 May; 37(5):313-319.
- Otto RJ, Mulieri PJ, Cottrell BJ, Mighell MA. Arthrodesis for Failed Total Elbow Arthroplasty with Deep Infection. *J Shoulder Elbow Surgery.* 2014 Mar; 23(3):302-307.
- Nigro PT; Cain R, Mighell MA. Prognosis for Recovery of Posterior Interosseous Nerve Palsy After Distal Biceps Repair. *J Bone Joint Surg Am.* 2013 Jan 2;95(1):9-18. doi: 10.2106/JBJS.K.00863.
- Andersen JA, Williams CD, Cain R, Mighell MA, Frankle M. Surgically Treated Humeral Shaft Fractures Following Shoulder Arthroplasty. *J Bone Joint Surg [Am],* 2013 Jan 02;95(1):9-18. doi: 10.2106/JBJS.K.00863.
- Jaron R. Andersen, Matt P. Willis, Ryan Nelson, Mark A. Mighell. Precontoured Superior Locked Plating of Distal Clavicle Fractures: A New Strategy. *Clin Orthop Rel Res,* November 2011; 469(12):3344-3350. DOI: 10.1007/s11999-011-2009-5
- Walker M, Palumbo B, Badman BL, Mighell MA, Van Gelderen J, Brooks JP. Humeral Shaft Fractures: A Review. *J Shoulder Elbow Surgery,* July 2011; 20(5): 833-844.
- Badman B, Frankle MA, Keating C, Henderson L, Brooks J, Mighell MA. Results of Proximal Humeral Locked Plating with Supplemental Suture Fixation of Rotator Cuff. *J Shoulder Elbow Surgery,* June 2011; 20(4): 616-624.
- Holcomb JO, Hebert DJ, Mighell MA, Dunning PE, Pliner MD, Pupello DR, Frankle MA. Reverse Shoulder Arthroplasty in Patients with Rheumatoid Arthritis. *J Shoulder Elbow Surgery,* October 2010; 17(7): 1076-1084.
- Klein SM, Badman BL, Keating CJ, Devinney DS, Frankle MA, Mighell MA. Results of Surgical Treatment for Unstable Distal Clavicle Fractures. *J Shoulder Elbow Surgery,* October 2010; 19(7): 1049-1055.
- Mighell MA, Frankle MA, Mulieri PJ. Elbow Arthroplasty for Distal Humeral Fractures – Techniques, Pearls, and Pitfalls. *Operative Techniques in Orthopaedics,* March 2010; 20(1): 38-47.
- Mighell, M., Virani, N., Echols, E., Shannon, R., Badman, B., Keating, C. Large Coronal Shear Fractures of the Capitellum and Trochlea Treated with Headless Compression Screws. *J Shoulder Elbow Surgery,* January 2010; 19(1): 38-45.
- Mulieri, P., Chacon, A., Nelson, C, Brooks, J., Mighell, M. Extended Olecranon Osteotomy for Removal of a Well-Fixed, Total Elbow Ulnar Component. *Tech Shoulder Elbow Surg,* December 2009; 10(4):140-5.
- Badman, B., Mighell, M. Proximal Humerus Nonunions Treated with Fixed-Angle Locked Plate and Intramedullary Strut Allograft. *J Orthop Trauma,* March 2009; 23(3):173-179.
- Badman, B., Mighell, M. Fixed-Angle Locked Plating of Two, Three, and Four Part Proximal Humerus Fractures. *J Am Acad Orthop Surg,* May 2008; 16(5): 294-302.
- Levy, J., Frankle, M., Mighell, M., Pupello, D. The Use of the Reverse Shoulder Prosthesis in the Treatment of Failed Hemiarthroplasty for Proximal Humerus Fractures. *JBJS,* February 2007; 89-A; 292-300.
- Mighell, M.A., Harkins, D., Klein, D., Schneider, S., Frankle, M.A.: Technique for Internal Fixation of Capitellum and Lateral Trochlea Fractures. *J Orthop Trauma,* Nov/Dec 2006; 20(10); 699-704.
- Frankle M, Virani N, Fisher D, Mighell M. Immediate Total Elbow Arthroplasty for Distal Humerus Fractures. *Techniques in Orthopaedics* December 2006; 21(4):363-73.
- Frankle, M.A., Levy, J.C., Pupello, D., Siegal, S., Saleem, A., Mighell, M.A., Vasey, M.: The Reverse Shoulder Prosthesis for Glenohumeral Arthritis Associated with Severe Rotator Cuff Deficiency: A Minimum Two-Year Follow-up Study of Sixty Patients: Surgical Technique. *J Bone Joint Surg* September 2006; 88-A: 178-190.
- Badman, B., Mighell, M., Drake, D.: Proximal Humeral Nonunions: Surgical Technique with Fibular Strut Allograft and Fixed-Angle Locked Plating. *Tech Sh Elb Surg* June 2006;7-2: 95-101.
- Siegal, S. Frankle M, Mighell M., Pupello D, Saleem A, Vasey M.: The Reverse Shoulder Prosthesis for Glenohumeral Arthritis Associated with Severe Rotator Cuff Deficiency. *J Bone Joint Surg Am* 2005; 87:1697-1705.
- Mighell, M.A., Dunham, R.C., Rommel, E., Frankle, M.A.: Primary Semi- Constrained Arthroplasty for Chronic Elbow Fracture Dislocations. *J Bone Joint Surg [Br]* 2005; 87-B: 191-195.
- Frankle, M.A., Mighell, M. A.: Techniques and Principles of Tuberosity Fixation for Proximal Humerus Fractures Treated with Hemiarthroplasty. Review Article. *J Shoulder Elbow Surg* 2004 13(2):239-247.

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Publications (cont.)

- Mighell, M. A., Frankle, M., Kolm, P., Collinge, C.: Outcomes of Hemiarthroplasty for Fractures of The Proximal Humerus. *J Shoulder Elbow Surg* 2003 12(6):569-577.
- Mighell, M.A., Jennings, W.B., Frankle, M. Technique for Unstable Two-Part Proximal Humeral Fractures Utilizing an Intramedullary Staple Device: The Evan's Staple. *Tech Shoulder Elbow Surg* 2003; 4(2):84-88.
- Frankle, M., Mighell, M.: Non-implant Arthroplasty for Elbow Arthritis. *Seminars in Arthroplasty*, 9:12-24, January, 1998.
- Soyer, A.D., Nowotarski, P. J., Kelso, T.B., Mighell, M.: Optimal Position for Plate Fixation of Complex Fractures of the Proximal Radius: A Cadaver Study. *J Orthop Trauma*, 12:291-293, 1998.

Poster Presentations

- Complications of RSA as a Salvage Procedure for Failed ORIF of Proximal Humerus Fractures. Presented at the American Academy of Orthopaedic Surgeons 2015 Annual Meeting. Las Vegas, NV. March 24-28, 2015
- Complications of RSA as a Salvage Procedure for Failed ORIF of Proximal Humerus Fractures. Presented at the American Shoulder & Elbow Surgeons 2014 Annual Closed Meeting. Pinehurst, NC. October 9-12, 2015
- Arthrodesis for Failed Elbow Arthroplasty. Presented at Society of Military Orthopaedic Surgeons 2012 Annual Meeting. Naples, FL. December 10-14, 2012.
- Proximal Humeral Fractures Treated with Locked Plating and an Intramedullary Strut Allograft: A Retrospective Analysis. Presented at the American Shoulder and Elbow Surgeons Closed Meeting, Sea Island, GA, USA, October 11-14, 2012.
- Prognosis for Recovery of Posterior Interosseous Nerve Palsy After Distal Biceps Repair. Presented at the American Shoulder and Elbow Surgeons Closed Meeting, Sea Island, GA, USA, October 11-14, 2012.
- Reverse Shoulder Prosthesis Improves Function Compared to Hemiarthroplasty. 9th International Congress on Surgery of the Shoulder. P12A, Washington, D.C., USA, May 2-5, 2004.
- Irregular Multiple Fin Shapes Best Stabilize Reconstructed Tuberosities in Four-Part Proximal Humerus Fractures. 9th International Congress on Surgery of the Shoulder. P25B, Washington, D.C., May 2-5, 2004.
- Reverse Shoulder Prosthesis: A Successful Treatment After Failed Hemiarthroplasty for Proximal Humerus Fracture. 9th International Congress on Surgery of the Shoulder. Poster # 23, Washington, D.C., May 2-5, 2004.
- Reverse Shoulder Prosthesis Can Successfully Treat Patients That Failed Due to Recurrent Instability. 9th International Congress on Surgery of the Shoulder. Poster # 24, Washington, D.C., May 2-5, 2004.
- Deep Infection Treated Successfully By Revision with a Reverse Shoulder Prosthesis. 9th International Congress on Surgery of the Shoulder. Poster # 23, Washington, D.C., May 2-5, 2004.
- Impingement and Instability Surgeries in Patients with Primary Scapular Winging. Poster Presentation American Academy of Orthopaedic Surgeons, Orlando, FL, March 18, 2000.
- Paralysis of the Trapezius: Etiology and Treatment Outcomes. Presented at the American Academy of Orthopaedic Surgeons Meeting, Orlando, FL, March 18, 2000.
- Determination of Contact Pressure at the Tendon Bone Interface in Rotator Cuff Repairs. Poster Presentation ORS, 44th Annual Meeting, New Orleans, LA, March 16 - 19, 1998.

Scientific Exhibits

- Proximal Humerus Fractures: A Spectrum of Fixation and Reconstructive Techniques. 2016 Annual American Academy of Orthopaedic Surgeons Meeting. March 1-5, 2016.

Oral Presentations and Published Abstracts

- Distal Median Neuropathy is a Complication of Shoulder Arthroplasty. Presented at Florida Orthopaedic Society Annual Conference. May 20, 2016.
- Avoiding Complications in Shoulder Arthroplasty. Presented on VuMedi for Management of Advanced Shoulder Arthroplasty Complications Webinar. April 25, 2016.
- Clavicle Shaft Fractures: Natural History and Indications for Plate Fixation. Presented at American Academy of Orthopaedic Surgeons Annual Meeting 2016. March 3, 2016.
- Know When To Hold 'Em: ORIF of Proximal Humerus Fractures. Presented at American Academy of Orthopaedic Surgeons Annual Meeting 2016. March 2, 2016.
- Fixing the Subscapularis: Best for All Patients in 2016. Presented at Current Solutions in Shoulder and Elbow Surgery. February 6, 2016.
- Total Elbow Arthroplasty: Tenets of Technique. Presented at Current Solutions in Shoulder and Elbow Surgery. February 5, 2016.
- Open Debridement: Is it a Sin? Presented at Current Solutions in Shoulder and Elbow Surgery. February 5, 2016.

Oral Presentations and Published Abstracts (cont.)

- Acute Clavicle Fractures: Why We are Fixing Them and How. Presented at Orthopaedics Today: Hawaii. January 12, 2016.
- Proximal Humerus Fractures: 4-Part Fractures: Save or Replace? Presented at Orthopaedics Today: Hawaii. January 12, 2016.
- Radial Head Fractures: Save or Replace? Presented at Orthopaedics Today: Hawaii. January 12, 2016.
- Terrible Triad: What to Do with the Unstable Elbow. Presented at Orthopaedics Today: Hawaii. January 12, 2016.
- Converting a Hemiarthroplasty to a Reverse Arthroplasty: Indications and Technique. Presented at Orthopaedics Today: Hawaii. January 11, 2016.
- Show Me Your Glenoid: Tenets of Glenoid Implantation. Presented at the Shoulder Arthroplasty Course for Surgeons. November. 14, 2015.
- Strategies for Rotator Cuff Repair. Presented at the Frontiers in Upper Extremity Surgery Course. November 7, 2015.
- p. acnes & Shoulder Infections in 2015. Presented at the 4th Annual Shoulder Course: International Congress for Joint Reconstruction. November 6, 2015.
- Massive Cuff Tears: Save, Transfer, or Replace? Presented at the 4th Annual Shoulder Course: International Congress for Joint Reconstruction. November 6, 2015.
- Top 10 Surgical Tips for Total Shoulder Arthroplasty. Presented at the 4th Annual Shoulder Course: International Congress for Joint Reconstruction. November 5, 2015.
- The Outerbridge-Kashiwagi Procedure in Patients with Osteoarthritis and Posttraumatic Arthritis of the Elbow. Presented at the ASES Closed Meeting. October 11, 2015.
- Extremity Mal- & Nonunions. Presented at the 8th Annual Trauma Case Controversies. September 25, 2015.
- Show Me Your Glenoid: Tenets of Glenoid Implantation. Presented at DJO Surgical Workshop at Current Solutions in Orthopaedic Trauma. September 19, 2015.
- Reverse for Fracture. Presented at Current Solutions in Orthopaedic Trauma. September 19, 2015.
- Intercondylar Distal Humerus Fracture Techniques. Presented at Current Solutions in Orthopaedic Trauma. September 18, 2015.
- Strategy of Plate Fixation for Proximal Humerus Fractures. Presented at Current Solutions in Orthopaedic Trauma. September 18, 2015.
- Customize the Repair to the Tear. Presented at MiTek Sports Medicine Lab. September 9, 2015.
- Pearls of Fixing Proximal Humerus Fractures. Presented at the ISERF Shoulder Surgery Update Course. August 26, 2015.
- Point-Counterpoint Debate: Glenoid Implantation for the Deficient Glenoid. Presented at the 2nd Annual DJO Surgical Revision Course. August 1, 2015.
- How I Manage Recurrent Instability. Presented at the 2nd Annual DJO Surgical Revision Course. July 31, 2015.
- Preoperative Planning for Shoulder Arthroplasty. Presented at the 2nd Annual DJO Surgical Revision Course. July 31, 2015.
- Current Concepts in Total Shoulder Arthroplasty. Presented at the Orthopaedics for the Primary Care Practitioner & Rehab Therapist. July 19, 2015.
- The Dislocated Reverse Total Shoulder Arthroplasty. Presented at the 2nd Annual Geisinger Orthopaedic Institute Shoulder Course. June 20, 2015.
- Case Presentation: Proximal Humerus Fractures. Presented at the 2nd Annual Geisinger Orthopaedic Institute Shoulder Course. June 19, 2015.
- Plates of Proximal Humerus Fractures: Technique Pearls. Presented at the 2nd Annual Geisinger Orthopaedic Institute Shoulder Course. June 19, 2015.
- Clavicle Fractures. Presented at the New Techniques in Shoulder Arthroscopy, Arthroplasty & Fractures. May 2, 2015
- Proximal Humerus Fractures: New Strategies. Presented at the New Techniques in Shoulder Arthroscopy, Arthroplasty & Fractures. May 2, 2015
- History of the Reverse Shoulder. Presented at the New Techniques in Shoulder Arthroscopy, Arthroplasty & Fractures. May 2, 2015
- ORIF for Proximal Humerus Fractures. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting 2015. March 27, 2015.
- Midshaft Clavicle Fractures. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting 2015. March 27, 2015.
- Complex Shoulder Arthroplasty: Interesting Case Example. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting 2015. March 25, 2015.

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Oral Presentations and Published Abstracts (cont.)

- Distal Humerus Fractures. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting 2015. March 24, 2015.
- Proximal Humeral Fractures. Presented at the G9MD Worldwide Shoulder Fellow Education Webconference. [Online]. March 10, 2015.
- Glenoid Exposure: A Twelve Step Program for Success. Presented at the USF Orthopaedic Resident Anatomy Lab. February 27, 2015.
- Cervical Fusion Went Well: Too Bad It was the Shoulder. Presented at the Selby Spine Course. February 22, 2015
- Proximal Humerus Fractures: Pearls of Plate Fixation. Presented at the Current Solutions in Shoulder and Elbow Surgery. January 16, 2015.
- Supracondylar Fractures: Approaches, Treatments, and Outcomes; Periprosthetic Fractures: Newer Techniques. Presented at the Current Solutions in Orthopaedic Trauma. September 20, 2014.
- Current Concepts in Total Shoulder Arthroplasty. Presented at the Orthopaedics for the Primary Care Practitioner & Rehab Therapist. July 19, 2014.
- AC Separation: What We Have Learned to Maximize Patient Outcomes. Presented at the San Diego Shoulder Course 2014. June 21, 2014.
- Hemiarthroplasty for Fracture. Presented at the Shoulder and Elbow Breakout Session of the Florida Orthopaedic Society 2014 Annual Meeting. May 15, 2014.
- Fixation of Proximal Humeral Fractures. Presented at the Worldwide Shoulder Fellow Education Webconference. [Online]. March 18, 2014.
- Shoulder Arthroplasty Case Studies. Presented at the AAOS Annual Meeting 2014. March 11, 2014.
- Midshaft Clavicle Fractures. Presented at the AAOS Annual Meeting 2014. March 12, 2014.
- Complex Trauma to the Shoulder Girdle. Presented at the AAOS Annual Meeting 2014. March 13, 2014.
- Coronoid Fractures. Presented at the AAOS Annual Meeting 2014. March 14, 2014.
- Pearls of Fixing Proximal Humerus Fractures; Remplissage. Presented at Current Solutions in Shoulder and Elbow Surgery 2014. Tampa, FL. January 17, 2014.
- Proximal Humerus Fractures: Locked Plates; Painful Total Shoulder Arthroplasty; Proximal Humerus Fracture Fixation: What you really need to know. Presented at the International Congress for Joint Reconstruction 2013. Las Vegas, NV. November 16, 2013.
- Acromioclavicular Joint Reconstruction: Problems & Solutions. Presented at the ASES Closed Meeting 2013. Las Vegas, NV. October 12, 2013.
- Rotator Cuff Augmentations and Transfers. Presented at the Worldwide Shoulder Fellow Education Webconference. [Online]. October 8, 2013.
- Biomechanics of Locked Plates; Terrible Triad: What to Do with the Unstable Elbow; Olecranon Repair with Biomet Plating System. Presented at the Current Solutions in Orthopaedic Trauma. Miami, FL. September 20, 2013.
- Biomechanics of Reverse Shoulder Arthroplasty. DJO Master's Course. Tampa, FL. September 6, 2013.
- Biomechanics of Reverse Shoulder Arthroplasty. DJO Master's Course. Tampa, FL. August 2, 2013.
- Remplissage. Mitek Sports Medicine Lab. Tampa, FL. August 10, 2013.
- Fracture Case Studies and Nuances of Proximal Humerus Plating. Presented at the San Diego Shoulder's Arthroscopy, Arthroplasty & Fractures 2013 Annual Meeting. San Diego, CA. June 15, 2013.
- Biomechanics of the Reverse Shoulder Arthroplasty. Presented at the San Diego Shoulder's Arthroscopy, Arthroplasty & Fractures 2013 Annual Meeting. San Diego, CA. June 14, 2013.
- Hemiarthroplasty for Proximal Humerus Fracture. Presented at the Shoulder and Elbow Breakout Session of the Florida Orthopaedic Society 2013 Annual Meeting. Key Largo, FL. June 1, 2013.
- Clavicle Fractures. Presented at the Mayo Clinic's Advanced Techniques in Shoulder Arthroscopy, Arthroplasty & Fractures. Rochester, MN. April 27, 2013.
- Biomechanics of the Reverse. Presented at the Mayo Clinic's Advanced Techniques in Shoulder Arthroscopy, Arthroplasty & Fractures. Rochester, MN. April 27, 2013.
- Fracture Cases. Presented at the Mayo Clinic's Advanced Techniques in Shoulder Arthroscopy, Arthroplasty & Fractures. Rochester, MN. April 27, 2013.
- Acute Proximal Humerus Trauma. Presented at the AAOS 2013 Annual Meeting. ICL 429 [Moderator]. Chicago, IL. March 21, 2013.
- Coronoid Fractures. Presented at the AAOS 2013 Annual Meeting. ICL 325. Chicago, IL. March 21, 2013.
- Distal Humerus Fractures: Fix or Replace? Presented at the Elite Educational Series in Trauma Symposium. Miami, FL. February 8, 2013.

Oral Presentations and Published Abstracts (cont.)

- Technical Aspects of ORIF for Proximal Humerus Fractures. Presented at Current Solutions in Shoulder and Elbow Surgery 2013. Tampa, FL. January 11, 2013.
- Prognosis For Recovery Of Posterior Interosseous Nerve Palsy After Distal Biceps Repair. Presented at Society of Military Orthopaedic Surgeons 2012 Annual Meeting. Naples, FL. December 11, 2012.
- Proximal Humeral Fractures Treated With Locked Plating And An Intramedullary Strut Allograft: A Retrospective Analysis. Presented at Society of Military Orthopaedic Surgeons 2012 Annual Meeting. Naples, FL. December 13, 2012.
- The Terrible Triad: What to Do with the Unstable Elbow Presented at Current Solutions in Orthopaedic Trauma, Miami, FL, November 10, 2012.
- Treatment of Nonunions of the Humeral Shaft Presented at Current Solutions in Orthopaedic Trauma, Miami, FL, November 10, 2012.
- Periprosthetic Fractures: Newer Techniques Presented at Current Solutions in Orthopaedic Trauma, Miami, FL, November 10, 2012.
- Distal Humerus Fractures Presented at AAOS/ASES Elbow Reconstruction Course, Rosemont, IL, October 27, 2012.
- Reduce and Lock a Proximal Humerus Fracture Presented at International Congress for Joint Reconstruction, Las Vegas, NV, September 15, 2012.
- Proximal Humeral Fractures Treated with Locking Plates Presented at International Congress for Joint Reconstruction, Las Vegas, Nevada, September 15, 2012.
- Dealing with a Painful Total Shoulder Arthroplasty Presented at International Congress for Joint Reconstruction, Las Vegas, Nevada, September 14, 2012.
- Proximal Humeral Fractures Presented at Orthopaedics for the Primary Care Practitioner and Rehabilitation Therapist, Clearwater, Florida, July 20, 2012.
- How Does RSA Work Presented at Policlinica Metropolitana, Caracas, Venezuela, June 23, 2012.
- Reverse Shoulder Arthroplasty for Humerus Fractures Presented at Policlinica Metropolitana, Caracas, Venezuela. June 23, 2012.
- Turon Glenoid Fixation Presented at AAOS Annual Meeting, San Francisco, CA, February 10, 2012.
- Reverse Shoulder Arthroplasty for Proximal Humerus Fractures Presented at Current Solutions in Shoulder and Elbow Surgery, Tampa, FL, January 13, 2012.
- Surgically Treated Humeral Shaft Fractures Following Shoulder Arthroplasty Presented at Current Solutions in Orthopaedic Trauma, Boca Raton, FL November 12, 2011.
- Humeral Shaft Non-unions Presented at Current Solutions in Orthopaedic Trauma, Boca Raton, FL, November 12, 2011.
- Surgical Approaches to the Elbow Presented at Current Solutions in Orthopaedic Trauma, Boca Raton, FL, November 12, 2011.
- Terrible Triad Presented at Current Solutions in Orthopaedic Trauma, Boca Raton, FL, November 12, 2011.
- Hemiarthroplasty for Proximal Humerus Fractures Presented at DJO Conference, Chicago, IL, July 20, 2011.
- Lateral Center of Rotation is Best for Reverse Total Shoulder Replacement. Presented at the 28th Annual San Diego Shoulder Meeting, San Diego, CA, June 22, 2011.
- Why Lateral Center of Rotation is Best. Presented at American Osteopathic Academy of Orthopedics, 51st Postgraduate Seminar, Scottsdale, AZ, May 14, 2011.
- Biomechanics of the Three Part Proximal Humerus Fracture: Is treatment really that controversial? Presented at Current Solutions in Shoulder and Elbow Surgery, Tampa, FL, January 21, 2011.
- Proximal Humerus Fractures: Locked Plates. Presented at the 8th Annual Current Solutions in Orthopaedic Trauma, Fort Lauderdale, FL, November 12, 2010.
- Proximal Humerus Fractures: 4-Part Fractures- Save or Replace? Presented at the 8th Annual Current Solutions in Orthopaedic Trauma, Fort Lauderdale, FL, November 12, 2010.
- The Terrible Triad: What to Do with the Unstable Elbow. Presented at the 8th Annual Current Solutions in Orthopaedic Trauma, Fort Lauderdale, FL, November 12, 2010.
- Biomechanics of the 3-Part Proximal Humeral Fracture with and without Suture Fixation. Presented at the 11th International Congress of Shoulder and Elbow Surgery, Edinburgh, Scotland, September 7, 2010.
- Biceps Tendon Pathology (Proximal and Distal): Advances in Treatment and Rehabilitation Presented at Orthopaedics for the Primary Care Practitioner, Saint Petersburg, FL, July 16, 2010.
- Shoulder Instability Presented at Orthopaedics for the Primary Care Practitioner, Saint Petersburg, FL, July 16, 2010.
- Proximal Humerus Fractures: Locked Plates. Presented at Florida Orthopaedic Society, May 21, 2010.
- Humeral Shaft Fractures. Presented at Current Solutions in Shoulder and Elbow Surgery, Tampa, FL, January 8, 2010.
- Periprosthetic Fractures in the Upper Extremity. Presented at Current Solutions in Orthopaedic Trauma, Tampa, FL, October 29, 2009.

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Oral Presentations and Published Abstracts (cont.)

- Proximal Humerus Fractures: Locked Plates. Presented at Current Solutions in Orthopaedic Trauma, Tampa, FL, October 29, 2009.
- Elbow Fracture Dislocations: The Terrible Triad. Presented at Current Solutions in Orthopaedic Trauma, Tampa, FL, , October 29, 2009.
- Hemiarthroplasty for Proximal Humerus Fractures. Presented at Orthopaedics for the Primary Care Practitioner, Tampa, FL, July 18, 2009.
- Distal Biceps Ruptures. Presented at Orthopaedics for the Primary Care Practitioner, Tampa, FL, July 18, 2009.
- Proximal Humerus Fractures. Presented at Southwest Missouri Orthopedic Trauma Symposium. Springfield, Missouri, May 2, 2009.
- Mighell, M.A., Chacon, A., Holcomb, J.O., Badman, B., Henderson, L.S., Pupello, D., Frankle, M.A.: Functional Outcomes after Treatment of Proximal Humerus Fractures with the use of Locked Plating and Supplemental Tension Band Fixation. Accepted for presentation at the 2009 American Shoulder and Elbow Surgeons Meeting, Las Vegas, NV, February 28, 2009.
- Reverse Shoulder Arthroplasty for Fracture. Presented at the Current Concepts in Shoulder and Elbow Surgery, Tampa, FL January 22-24, 2009.
- Distal Humerus Fractures. Presented at the Current Concepts in Shoulder and Elbow Surgery, Tampa, FL, January 22-24, 2009.
- Olecranon Fractures. Presented at the Current Concepts in Shoulder and Elbow Surgery, Tampa, FL January 22-24, 2009.
- Hemiarthroplasty For Proximal Humerus Fractures. Presented at the Orthopedic Education Summit, Snowbird, UT, January 9-10, 2009.
- Supracondylar Fractures in the Elderly: When is it Worth Saving? Presented at the 6th Annual Current Solutions in Orthopaedic Trauma Course, Phoenix, AZ, December 11-13, 2008.
- Proximal Humerus Fractures: Advances in Technology. Presented at the 6th Annual Current Solutions in Orthopaedic Trauma Course, Phoenix, AZ, December 11-13, 2008.
- Periprosthetic Fractures in the Upper Extremity. Presented at the 6th Annual Current Solutions in Orthopaedic Trauma Course, Phoenix, AZ, December 11-13, 2008.
- Proximal Humerus Fractures: Arthroplasty Techniques. Presented at the Orthopaedic Trauma Association's Advanced Trauma Techniques Course for Residents, Dallas, TX, May 16, 2008.
- Techniques for IM Nailing Proximal & Humeral Shaft Fractures. Presented at the Orthopaedic Trauma Association's Advanced Trauma Techniques Course for Residents, Dallas, TX, May 16, 2008.
- Distal Humerus Fractures. Presented at the Advanced Techniques in Shoulder Arthroscopy, Arthroplasty & Fractures Course, Mayo Clinic, Rochester, MN, May 3, 2008.
- Proximal Humerus Fractures. Presented at the Advanced Techniques in Shoulder Arthroscopy, Arthroplasty & Fractures Course, Mayo Clinic, Rochester, MN, May 3, 2008.
- Plating of Proximal Humerus Fractures with the S3 Plate. Presented at the Current Concepts in Shoulder and Elbow Surgery, Tampa, FL, January 17-19, 2008.
- Mal-unions and Non-unions: How to Salvage? Presented at the Current Concepts in Shoulder and Elbow Surgery, Tampa, FL, January 17-19, 2008
- Complications and/or Infections in Elbow Arthroplasty. Presented at the Current Concepts in Shoulder and Elbow Surgery, Tampa, FL, January 17-19, 2008
- Periprosthetic Fractures: Newer Techniques. Presented at the Current Concepts in Orthopaedic Trauma Course, Orlando, FL, November 6-9, 2007.
- Proximal Humerus Fractures: General Treatment Concepts. Presented at the Current Concepts in Orthopaedic Trauma Course, Orlando, FL, November 6-9, 2007.
- Supracondylar Fractures in the Elderly: When is it Worth Saving? Presented at the Current Concepts in Orthopaedic Trauma Course, Orlando, FL, November 6-9, 2007.
- Treatment of Radial Head Fractures with Radial Head Replacement. Presented at the Elbow/Shoulder/Wrist Trauma and Arthroplasty Course, Henderson, NV, August 2, 2007.
- Total Elbow Arthroplasty for Rheumatoid Arthritis. Presented at the Elbow/Shoulder/Wrist Trauma and Arthroplasty Course, Henderson, NV, August 2, 2007.
- Treatment of Terrible Triad Injuries of the Elbow. Presented during the Orthopaedic Trauma Association Meeting, Chicago, IL, March 29-30, 2007.
- Hemiarthroplasty for Proximal Humerus Fractures. Presented during the Orthopaedic Trauma Association Meeting, Chicago, IL, March 29-30, 2007.
- Proximal Humerus Fractures: Hemiarthroplasty. Presented at the Orthopaedic Trauma: Concepts to Controversies Meeting. Breckenridge, CO, March 18, 2007.

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Oral Presentations and Published Abstracts (cont.)

- Locked Plating for Proximal Humerus Fractures. Presented at the 2007 Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 14-18, 2007.
- Seven Steps to Glenoid Exposure. Presented at the Orthopedic Education Summit, Bachelor Gulch, CO, January 4-7, 2007.
- Osteoarthritis Exposure of the Glenoid: Techniques and outcomes. Presenter and Co-Director of Current Concepts of Shoulder and Elbow Surgery Course, Tampa, FL, December 7-9, 2006.
- Elbow Capitellum Fractures. Presenter and Co-Director of Current Concepts of Shoulder and Elbow Surgery Course, Tampa, FL, December 7-9, 2006.
- Proximal Humerus Fractures: Plates – Locked Plates. Presented at Current Concepts in Orthopaedic Trauma, Orlando, FL, November 16-19, 2006.
- Failed Open Reduction Internal Fixation for Elbow Fractures Converted to Total Elbow Arthroplasty. Presented at the American Shoulder and Elbow Surgeons 23rd Annual Meeting, Chicago, IL, September 13-15, 2006.
- Humeral Locking Plate Techniques for Proximal Humerus Fractures. Presented at the Global Shoulder Society Meeting, Boston, MA, July 21-22, 2006.
- Reverse Total Shoulder Arthroplasty. Presented during the Upper Extremity Break Out Session of the Scientific Annual Meeting of the Florida Orthopaedic Society and Alabama Orthopaedic Society, San Destin, FL, May 20, 2006.
- Clinical Results of Anterior Fixation of Humeral Capitellar Fractures. Presented at the American Shoulder and Elbow Surgeons 22nd Open Meeting, Chicago, IL, March 25, 2006.
- Total Elbow Arthroplasty for Rheumatoid Arthritis. Presented at Modern Solutions in Shoulder and Elbow Arthroplasty. Nassau, Bahamas, February 10-11, 2006.
- Revision Total Elbow Arthroplasty: Prosthesis Reinsertion. Presented at Modern Solutions in Shoulder and Elbow Arthroplasty. Nassau, Bahamas, February 10-11, 2006.
- Dealing with Fractures of the Proximal Ulna and Olecranon. Presented at Modern Solutions in Shoulder and Elbow Arthroplasty. Nassau, Bahamas, February 10-11, 2006.
- Infections After Total Elbow Arthroplasty. Presenter and Co-Director of the Current Concepts of Shoulder and Elbow Surgery Course, Tampa, FL, January 13-14, 2006.
- Surgical Approaches for Shoulder Arthroplasty. Presenter and Co-Director of the Current Concepts of Shoulder and Elbow Surgery Course, Tampa, FL, January 13-14, 2006.
- Reverse Shoulder Arthroplasty. Lecture Given to the Department of Orthopaedics, Bethesda Naval Hospital, Bethesda, MD, July 5, 2005.
- Evaluation of Elbow Pain in the Athlete. Presented at the Sports Medicine Update, Clearwater Beach, FL, January 2005.
- Surgical Exposure for Shoulder Arthroplasty Presented at the Total Joint Arthroplasty Symposium, Bachelor Gulch, CO, January 2005.
- Total Shoulder Arthroplasty for Post Traumatic Arthritis. Presented at the Hennepin County Medical Center Orthopaedic and Trauma Seminar, Minneapolis, MN, November 2004.
- Proximal Humerus Fractures: The Evans Staple and IM Nails. Presented at Current Solutions in Orthopaedic Trauma, Tampa, FL, November 2004.
- Prosthetic Hemiarthroplasty of the Distal Humerus. Presented at the American Shoulder and Elbow Surgeons Biannual Meeting, Monterey, CA, October 2004.
- Hemiarthroplasty for Fracture. Presented at the Orthopaedic Trauma Association's 20th Annual Meeting, Hollywood, FL, October 2004.
- Prosthetic Hemiarthroplasty of the Distal Humerus. Presented at the American Society for Surgery of the Hand 59th Annual Meeting, New York City, NY, September 2004.
- Seven Steps to Glenoid Exposure. Presented at Technological Advances in Total Joint Replacement, Los Cabos, Mexico, May 2004.
- A Basic Science Analysis of Reverse Shoulder Prosthesis. Presented at the Total Joints Arthroplasty Symposium, Bachelor Gulch, CO, January 2004.
- Prosthetic Hemiarthroplasty of the Distal Humerus. Presented at the American Shoulder and Elbow Surgeons Focus Meeting: Shoulder and Elbow Arthritis. Las Vegas, NV, November 2003.
- The Effect of Proximal Prosthetic Humeral Geometry on the Stability of Tuberosity Reconstruction for Four-Part Proximal Humerus Fractures. Presented at the 6th Congress of the European Federation of National Associations of Orthopaedics and Traumatology, Helsinki Fair Centre, Finland, June 2003.
- Primary Reverse Shoulder Prosthesis Versus Reverse Shoulder Prosthesis as a Salvage Procedure. Presented at the 6th Congress of the European Federation of National Associations of Orthopaedics and Traumatology, Helsinki Fair Centre, Helsinki, Finland, June 2003.

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Oral Presentations and Published Abstracts (cont.)

- ORIF of Two-Part Proximal Humerus Fractures with an Evans Staple. Presented at the Current Concepts of Shoulder and Elbow Surgery, Tampa, FL, January 2003.
- Management of Common Elbow Disorders. Presented at National Association of Orthopaedic Nurses Annual Meeting, Las Vegas, NV, May 2003.
- A Custom Reverse Ball and Socket Prosthesis as a Salvage Procedure in the Rotator Cuff Deficient Shoulder: A prospective outcome study. Presented at the American Academy of Orthopaedic Surgeons Meeting, Dallas, TX, February 2002.
- Osteoarthritis of the Shoulder Treated by Total Shoulder Arthroplasty: A prospective outcome study. Presented at the American Academy of Orthopaedic Surgeons Meeting, Dallas, TX, February 2002.
- Management of Shoulder Arthroplasty. Lecture given to National Association of Orthopaedic Nurses Annual Meeting, New Orleans, LA, June 2001.
- Outcomes of Hemiarthroplasty for Fractures of the Proximal Humerus. Presented American Shoulder & Elbow Surgeons Specialty Day Meeting, San Francisco, CA, March 2001.
- Hemiarthroplasty for Complex Proximal Humerus Fractures. Instructional Course Lecture given at Southeast Fracture Conference, January 2001.
- Outcomes of Prosthetic Replacements for Acute Fractures of the Proximal Humerus. Presented at the American Society of Shoulder and Elbow Surgeons Biennial Meeting, Miami, FL, May, 2000.
- Treatment of Unstable PIPJ Fracture Dislocations with a Dynamic Traction Splint. Presented at the Society of Military Orthopaedic Surgeons Meeting; December 1998.
- Determination of Contact Pressure at the Tendon Bone Interface in Rotator Cuff Repairs. Presented to the Virginia Orthopaedic Society, April 1997.
- Optimal Position for plate Fixation of Complex Fractures of the Proximal Radius. Presented to the Virginia Orthopaedic Society, April 1997.
- Arthroscopic Treatment of Osteochondral Defects of the Talar Dome. Presented at the Society of Military Orthopaedic Surgeons Meeting, November 1995.

Book Chapters

- Collins KJ, Stone GP, Smithson IR, Cottrell BJ, Mighell MA, Hatzidakis AM, Otto RJ, Watson JT, Cottrell BJ, Cusick MC, Pappou IP. Total Elbow Arthroplasty for Acute Distal Humerus Fractures. In: Management of Elbow Trauma: A Master Skills Publication. American Society for Surgery of the Hand, Submitted.
- Stephens BC, Stone GP, Mighell MA, Hatzidakis AM, Otto RJ, Watson JT, Cottrell BJ, Cusick MC, Pappou IP. Distal Humerus Fractures: ORIF. In: Management of Elbow Trauma: A Master Skills Publication. American Society for Surgery of the Hand, Submitted.
- Pappou IP, Smithson IR, Cottrell BJ, Mighell MA. Olecranon Nonunions. In: Shoulder and Elbow Trauma and Its Complications. Woodhead Publishing, Submitted.
- Mighell MA, Hartzler RU, Kovack TJ. Elbow Arthrodesis. In: Operative Techniques in Orthopaedic Surgery, 2nd Edition. Wolters Kluwer Health, Submitted.
- Mighell MA, Hatzidakis AM, Otto RJ, Watson JT, Cottrell BJ, Cusick MC, Pappou IP. Complex Trauma to the Shoulder Girdle, Including Clavicle, Scapula, and Proximal Humerus: Current Concepts in Diagnosis and Treatment. In: Instructional Course Lectures, Volume 64. American Academy of Orthopaedic Surgeons, Submitted.
- Mighell, M., Harreld, K., LeBrun, C., Williams, C. Open Reduction Internal Fixation of Three- and Four-Part Proximal Humerus Fractures. In: Video Atlas of Shoulder Surgery. Jaypee Brothers Medical Publishers, 2013
- Mulieri, P., Frankle, M., Mighell, M. Fractures of the Olecranon and Complex Fracture Dislocations of the Proximal Ulnar and Radial Head. In: Operative Elbow Surgery. Churchill Livingstone, 2011.
- Mighell, MA and Kovack, TJ. Elbow Arthrodesis. In: Operative Techniques in Orthopaedic Surgery. Lippincott Williams & Wilkins, 2010.
- Mighell, M.A., Massive Irreparable Rotator Cuff Tears. In: Frankle, Mark [ed]. Rotator Cuff Deficiency of the Shoulder. New York: Thieme, 2008.
- Mighell M., Siegal, S. Fractures of the Olecranon and Complex Fracture-Dislocations of the Proximal Ulna and Radial Head. In: Sanders, Roy [ed]. Trauma: Core Knowledge in Orthopaedics. Philadelphia: Mosby, 2007.
- Mighell M., Badman B., Virani N. Proximal humerus fractures. In: Sanders, Roy [ed]. Trauma: Core Knowledge in Orthopaedics. Philadelphia: Mosby, 2007.
- Frankle, M.A., Fisher, D, Mighell, M. Replacement Arthroplasty for Acute Fractures, Shoulder and Elbow Arthroplasty, Edited by Williams, G.R., Yamaguchi, K., Ramsey, M.L., Galatz, L.M. Philadelphia, Pennsylvania, Lippincott, Williams & Wilkins: 2005; pp. 393-403.

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Book Chapters (cont.)

- Devinney, D. Frankle, M., Mighell, M., Fisher, D. Surgery of Shoulder Arthritis. In: Arthritis and Allied Conditions A Textbook of Rheumatology; Lippincott, Williams & Wilkins: 2004; pp. 995-1015.

Grand Rounds

- Massive Cuff Tears: Fix, Transfer, or Replace. Given at the University of South Florida. September 11, 2015.
- p. acnes & Shoulder Infections. Given at the University of South Florida. September 11, 2015.
- Extremity Mal- & Nonunions. Given at the University of South Florida. September 11, 2015.
- Fractures of the Distal Humerus; Glenoid Exposure in Shoulder Arthroplasty Given at the University of South Florida, Tampa, FL, September 26, 2014.
- Clavicle Fractures; Humeral Shaft Fractures Given at the University of South Florida, Tampa, FL, February 28, 2014.
- Fractures of the Elbow Given at the University of South Florida, Tampa, FL, August 30, 2013.
- Traumatic Conditions of the Shoulder Given at the University of South Florida, Tampa, FL, January 25, 2013.
- Total Elbow Arthroplasty Presented virtually to Emory Orthopaedics, Tampa, FL, January 8, 2013.
- Distal Biceps Repair and Fractures of the Distal Humerus Given at the University of South Florida, Tampa, FL, October 5, 2012.
- Hemiarthroplasty for Proximal Humerus Fractures Given at the Michigan State University, Lansing, MI, March 14, 2012
- Hemiarthroplasty for Proximal Humerus Fractures and Operative Management of Humeral Shaft Fractures Given at the University of South Florida, Tampa, FL, February 24, 2012.
- Fractures of the Distal Humerus and Operative Management of Humeral Shaft Fractures Given at the University of South Florida, Tampa, FL, April 22, 2011.
- Elbow Fracture Dislocations: "The Terrible Triad" Given at Michigan State University, Troy, MI, March 9, 2011.
- Arthritis and Arthroplasty of the Shoulder Given at the University of South Florida, Tampa, FL, December 10, 2010.
- Fractures of the Upper Extremity Given at the University of South Florida, Tampa, FL, September 17, 2010.
- Management Strategies of Proximal Humerus Fractures: Nails vs Plates Given at Orlando Regional Medical Center, Orlando, FL, August 6, 2010.
- Arthroscopic Rotator Cuff Repair Given at Jackson Memorial Hospital, Miami, FL, May 20, 2010.
- Operative Management of Humeral Shaft Fractures Given at Emory University, Atlanta, GA, September 22, 2009.
- Treatment of Distal Clavicle Fractures Given at the University of South Florida, Tampa, FL, January 30, 2009.
- Distal Humerus Fractures Given at the University of Oklahoma, Oklahoma City, OK, May 19, 2008.
- Proximal Humerus Fractures Given at Emory University, Atlanta, GA, November 20, 2007.
- Hemiarthroplasty for Fractures of the Proximal Humerus Given at the University of Florida, Gainesville, FL, May 30, 2007.
- Current Concepts in Reverse Shoulder Arthroplasty Given at the University of California-Irvine, Orange County, CA, February 23, 2006.
- Current Concepts of Reverse Arthroplasty Given at the University of Florida, Gainesville, FL 2005.
- Hemiarthroplasty for Fracture Given at Jackson Memorial Hospital, Miami, FL, June, 2004.
- Indications for Arthroplasty for Fractures of the Distal Humerus .Techniques of Total Elbow Arthroplasty. Treatment of Complications of Total Elbow Arthroplasty Given at Orlando Regional Medical Center, Orlando, FL, April, 2004.
- Terrible Triad Injuries To The Elbow Given at University of Florida, Gainesville, FL, 2003.
- Glenohumeral Arthritis Given at the United States Naval Hospital, Jacksonville, FL, April, 2001.