

Date Prepared: 02/12/2018
Name: Richard J. Bowles, MD
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 Department of Orthopaedic Surgery
 9500 Euclid Ave
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Place of Birth: Louisville, KY

Education

08/96-12/01	BS with honors	Electrical Engineering	University of Louisville
08/08-05/12	MD	Medicine	University of Louisville

Postdoctoral Training

06/12-06/13	Internship	General Surgery	Harvard/Beth Israel Deaconess Medical Center
07/13-06/17	Residency	Orthopaedic Surgery	University of Colorado
08/17-present	Fellowship	Sports Medicine	Cleveland Clinic

Team/Sports Coverage

08/17-present	Cleveland Cavaliers	Assistant Team Physician	Professional Basketball (NBA)
08/17-present	Cleveland Indians	Assistant Team Physician	Professional Baseball (MLB)
08/17-present	Mahoning Valley Scrappers	Assistant Team Physician	Professional Baseball (A-Short Season)
08/17-present	John Carroll University	Assistant Team Physician	Division III College
08/17-present	Cleveland Metropolitan School District	[football/wrestling]	High School
07/15-06/17	Denver Public Schools	[football/wrestling]	High School

Other Professional Positions

01/02-06/04	Program Engineer, Edison Engineering Development Program (EEDP)	GE Aircraft Engines (Cincinnati, Shanghai, Boston)
06/04-12/04	Design Engineer, Lynn Fuel & Electrical Control Systems	GE Aircraft Engines (Boston)
01/05-02/06	Lead Engineer, Refrigeration	GE Appliances (Louisville)
02/06-08/08	Supervisor, Aircraft Engineering	UPS Airlines (Louisville)

Major Administrative Leadership Positions

Local

03/09-05/12	President, Class of 2012	University of Louisville School of Medicine
03/16-06/17	Board of Directors (resident member)	Colorado Orthopaedic Society

Committee Service

Local

2009-2012	Humanistic Empathic Altruistic Relationship-centered Team (HEART) Committee	University of Louisville School of Medicine
2010-2011	Pre-Clinical Block Task Force	University of Louisville School of Medicine
2011-2012	LCME Accreditation Committee	University of Louisville School of Medicine
2011-2012	Curriculum Implementation Committee	University of Louisville School of Medicine

Professional Societies

2008-2012	American Medical Association
2008-2012	American Medical Students Association
2008-2012	Kentucky Medical Association
2013-present	Colorado Orthopaedic Society
2013-present	American Academy of Orthopaedic Surgeons
2017-present	American Orthopaedic Society for Sports Medicine

Honors and Prizes

1996	Appointment	United States Naval Academy	
1996-2000	Dean's List	University of Louisville	
2001	Winner, Six Sigma co-op project contest	GE Appliances	Range thermistor re-design
2001	GE Achievement Award	GE Aircraft Engines	Development of electronic database for engine components
2004	Six Sigma Green Belt	GE Aircraft Engines	Quality control methodology
2004	Graduate, Edison Engineering Development Program	GE Aircraft Engines	GE's premier engineering leadership development program
2010	Honors	Medicine and Religion (course)	
2010	Honors	Outreach Clinic (course)	
2010	Honors	Family Medicine (clerkship)	
2011	Honors	Diagnostic Radiology (clerkship)	
2011	Honors	Orthopaedic Surgery (clerkship)	
2011	Honors	Orthopaedic Surgery (clerkship)	Off-campus rotation at Medical University of South Carolina (MUSC)
2011	Honors	Orthopaedic Spine Surgery (clerkship)	

2011	Honors	Orthopaedic Trauma (clerkship)	
2011	Gold Humanism Honor Society	University of Louisville School of Medicine	
2012	Dean's Award for Leadership	University of Louisville School of Medicine	For class leadership and medical school curriculum development

Report of Funded and Unfunded Projects

Funding Information

Current

2014	\$7000 research grant to investigate stability of plate vs. percutaneous screw fixation of lateral tibial plateau fractures (currently in progress)
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Report of Local Teaching and Training

Clinical Supervisory and Training Responsibilities

2012	Clinical Fellow, Harvard Medical School	Teaching of medical students on general surgery clerkships
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Local Invited Presentations

2010	Bowles R , Mauffrey C, Seligson D. Analysis of Performance Metrics Reporting in Papers Comparing Treatments or Materials/Devices in Four Important Orthopaedic Journals for the Year 2009. Oral presentation at University of Louisville Department of Orthopaedics Grand Rounds in 12/2010 in Louisville, KY.
2017	Shoulder and elbow anatomy podium presentations given at 2017 Sports Health Symposium: The Overhead Athlete 11/2017 in Cleveland, Ohio.

Report of Clinical Activities and Innovations

Current Licensure and Certification

2012	Massachusetts Limited Medical License
2013	Colorado Training Medical License
2014	Colorado Full Medical License and DEA Number
2017	Ohio Training Medical License
2017	ABOS Board Eligible

Report of Education of Patients and Service to the Community

Activities

2001-2012	Habitat for Humanity
2008-2012	Louisville Metro Medical Reserve Corps I was a volunteer for the Louisville Medical Reserve Corps, which may deploy to meet community medical needs during a natural or civic disaster.
2009	Vaccination campaign (city-wide) for novel H1N1 virus

- 2009-2010 Medical clinic at The Healing Place / Student Director
I was the director of a student-run clinic at The Healing Place, an alcohol and drug treatment facility for men.
- 2010 Informational session on medical school at Western High School
- 2011 Informational session on medical school at Sacred Heart Academy

Report of Scholarship

Publications

Peer reviewed publications in print or other media

Research investigations

1. **Bowles RJ**, Mauffrey C, Seligson D. Analysis of Performance Metrics Reporting in Papers Comparing Treatments or Materials/Devices in Four Important Orthopaedic Journals for the Year 2009. *Injury* 2011; 42(12):1480-1483
2. Mauffrey C, Madsen M, **Bowles RJ**, Seligson D. Bone Graft Harvest Site Options in Orthopaedic Trauma, A Prospective in Vivo Quantification Study. *Injury* 2012; 43(3):323-326
3. **Bowles RJ**, Chadayammuri V, Baldini T, Breceovich A, Mauffrey C. Split-Depressed Lateral Tibial Plateau Fractures: a Comparison of Augmented Percutaneous Screws Versus Augmented Plate and Screw Construct in a Cadaveric Model. [Submitted for publication 10/2017, pending review of revision.]

Other peer-reviewed publications

4. Mauffrey C, Madsen M, **Bowles RJ**, Seligson D. Using the Proximal Ulna as a Novel Site for Autogenous Bone Graft Harvesting: Surgical Technique. *Current Orthopaedic Practice* 2012; 23(4):386-389
5. Mauffrey C, Bailey JR, **Bowles RJ**, Price C, Hasson D, Hak DJ, Stahel PF. Acute Management of Open Fractures: Proposal of a New Multidisciplinary Algorithm. *Orthopedics* 2012; 35(10):887-881
6. **Bowles RJ**, Mitchell J, Price C, Ipaktchi K. Upper Extremity Mycosis in a Corn Auger Hand Injury: A Case Report. *Patient Safety in Surgery* 2015; 9(22)
7. Nyland J, Krupp R, Greene J, **Bowles RJ**, Burden R, Caborn D. In Situ Comparison of Varying Composite Tibial Tunnel Interference Screws Used for ACL Soft Tissue Graft Fixation. *The Knee* 2015; 22(6):554-558

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. **Bowles RJ**, Luftman K, McCants K, Aggarwal S, Koenig S, & Slaughter M. Incidence and Outcomes of Coronary Artery Bypass Grafting After Orthotopic Heart Transplantation. Poster presentation at Research!Louisville in 10/09 in Louisville, KY.
2. Luftman K, **Bowles RJ**, Aggarwal S, Koenig S, & Slaughter M. Campath Induction and Steroid-free Maintenance Immunosuppression in Cardiac Transplantation. Poster presentation at Research!Louisville in 10/09 in Louisville, KY.
3. Nyland J, Krupp R, Greene J, **Bowles RJ**, Burden R, Caborn D. Interference Screw Fixation of Soft Tissue Grafts in the Tibial Tunnel: An In Situ Comparison of Composite Interference

Screws. Poster presentation at European Society of Sports Traumatology Knee Surgery and Arthroscopy (ESSKA) 15th Congress in 05/12 in Geneva, Switzerland.

4. **Bowles RJ**, Mitchell JJ, Price C, Ipaktchi KR. Upper Extremity Mycosis in a Corn Auger Hand Injury: A Case Report. Poster presentation on Research Day at University of Colorado - Denver in 6/2014 in Denver, CO.

Professional educational materials or reports, in print or other media

“Acetabular Fractures” – ORTHOPEDICS hyperguide (web-based reference material)

http://www.ortho.hyperguides.com/index.php?option=com_content&view=article&id=2270%3Aacetabular-fractures&catid=402%3Ageneral&Itemid=1

Co-authored the section with Dr. Cyril Mauffrey (University of Colorado School of Medicine)

Narrative Report

As a nontraditional student, I have a unique background, having had a successful career as an engineer at two Fortune 100 companies with an outstanding track record in leadership roles at both. This has helped me achieve success throughout my career in medicine, serving as president of my medical school class and offering fresh insight into problems faced by physicians in the context of a changing healthcare landscape. I possess a strong work ethic, perspective born of failures and successes, solid communication skills, and a dedication to patient care and the advancement of its practice. I intend to use my technical background, leadership skills and life experience outside of medicine to make a lasting impact on the field of orthopaedic surgery in general and sports medicine in particular.