

R Brian Mackey, M.D.

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Education

- August 2000- May 2004 **Tulane Medical School**, New Orleans, LA
M.D.
- August 1998-May 2000 **Washington University**, St. Louis, MO
M.A. in Biology
- September 1993-May 1997 **University of Virginia**, Charlottesville, VA
B.A. in Biology

Professional and Research Experience

- May 1995-August 1995 **Research Student**; Primary Investigator: Ralph Clayman, MD. Dept. of Urology, Washington University School of Medicine, St. Louis. Research related to urologic laparoscopic procedures using a porcine model.
- August 1998-May 2000 **Research Assistant**; Primary Investigator: David Holtzman, MD. Dept. of Neurology, Washington University School of Medicine, St. Louis. Research focused on the effect of apolipoproteins on amyloid deposition in the pathogenesis of Alzheimer's disease.
- July 2004-July 2009 **Resident in Orthopedic Surgery**, Washington University in St. Louis/Barnes-Jewish Hospital, St. Louis, MO.

August 2009-July 2010	Fellowship in Hand/Microvascular Surgery. University of Utah Department of Orthopedic Surgery, Salt Lake City, UT.
August 2010-Current	Orthopedic Surgeon, Center of Orthopedic Rehabilitation and Excellence (CORE), West Jordan, Utah. Visiting Instructor, University of Utah, Salt Lake City, Utah.

Membership and Board Certification

American Academy of Orthopedic Surgeons (AAOS)
American Society for Surgery of the Hand (ASSH)
American Board of Orthopedic Surgeons (ABOS) Certified
Subspecialty Certificate in Surgery of the Hand (CAQ in Hand)
Utah Medical Society
Orthopedic Physician for the Utah Grizzlies Hockey Team

Publications

Mackey RB, Chen F, Hutchinson D. *Sensory Nerve Deficit Following Distal Biceps Repair Surgery* J Hand Surg Submitted Aug 2014

Wright RW, Mackey RB, Silva M, Steger-May K. *Smoking and Mouse MCL Healing.* J Knee Surgery 2010 Dec;23(4):193-199.

Mackey RB, Thomson AB, Kwon O, Mueller MJ, Johnson JE. *The Modified Oblique Keller Capsular Interpositional Arthroplasty for Hallux Rigidus.* JBJS Am. 2010; 92:1938-1946.

Okubadejo GO, Talcott MR, Schmidt RE, Sharma A, Patel AA, Mackey RB, Guarino AH, Moran CJ, Riew KD. *Perils of Intravascular Methylprednisolone Injection into the Vertebral Artery.* JBJS Am 2008; 90: 1932-1938.

Holtzman DM, Fagan AM, Mackey RB, Tenkova T, Sartorius L, Paul SM, Bales K, Ashe KH, Irizzary MC, Hyman BT. *ApoE facilitates neuritic and cerebrovascular plaque formation in the APPsw mouse model of Alzheimer's disease.* Ann Neurol 2000; 47:739-747.

Holtzman DM, Bales KR, Tenkova T, Fagan AM, Parsadonian M, Sartorius LJ, Mackey B, Olney J, McKeel D, Wozniak D, Paul SM. *Apolipoprotein E isoform-*

dependent amyloid deposition and neuritic degeneration in a mouse model of Alzheimer's disease. Proc. Natl. Acad. Sci. USA 2000;97:2892-2897.

Wolf JS Jr, Humphrey PA, Rayala HJ, Gardner SM, Mackey RB, Clayman RV. *Comparative ureteral microanatomy. Journal of Endourology.* 10(6):527-31, 1996 Dec.

Scholarships

John Allen Love Scholarship (1995-1997), UVA.

Research Grants

The Modified Oblique Keller Capsular Interposition Arthroplasty for Hallux Rigidus. PI: Jeff Johnson, M.D. Department of Orthopedics Washington University, Head of Foot and Ankle.
\$ 18,000 Midwest Stone Institute

Biomechanical MCL Healing in a Smoking Mouse Model. PI: Rick W Wright, M.D. Department of Orthopedics Washington University, Section of Sports Medicine.
NFL Charities Research Grant

Articles in Preparation for Publication/Presentation

LABC Deficit Following Distal Biceps Rupture Repair.

Presentations

August 2007, Oncology from a Sports Medicine Practice

November 2007, Case Presentations from young adult hip practice, St Louis Orthopedic Society Meeting (PFO for AVN)

January 2008, Case Presentation for interdepartmental conference on ethics in surgical innovation, Washington University in St Louis (the use of off-label instrumentation and BMP in spine)

January 2008, Case Presentations of spine tumors, St Louis Orthopedic Society Meeting

June 2008, Denver AOFAS Meeting, E-poster presentation: The Modified Oblique Keller Interpositional Arthroplasty for Hallux Rigidus.

February 2009, Academy Podium Presentation: The Modified Oblique Keller Interpositional Arthroplasty for Hallux Rigidus.

April 2009, Doctors Demystify for therapists, presentation on Median Nerve Compression.

April 2009, MAOA Spring Meeting, Paper Presentation: The Modified Oblique Keller Interpositional Arthroplasty for Hallux Rigidus.
Winter 2010, Presenter for resident core lecture series
February 2010, Doctors Demystify for therapists

Awards

Mid-America Orthopedic Association \$2500 Education Grant Feb 2009.