

# **William Bailey Kurtz, II, M.D.**

## **Professional Data:**

Office Address: Tennessee Orthopaedic Alliance  
8 One City Blvd  
Nashville, TN 37209

Office Phone: (615) 963-1437

Work Website: [www.toa.com](http://www.toa.com)

Personal Work Website: [www.nashvillejointreplacement.com](http://www.nashvillejointreplacement.com)

## **Personal Data:**

### **Education:**

#### College:

- Rice University, Houston, TX  
Bachelor of Science, Mechanical Engineering  
August 1992 – May 1996

#### Professional or Graduate School:

- University of Texas Southwestern Medical School, Dallas, TX  
Doctor of Medicine  
Alpha Omega Alpha  
August 1996 – June 2000

#### Postgraduate Training:

- Vanderbilt University Medical Center, Nashville, TN  
General Surgery Internship  
July 2000 – June 2001
- Vanderbilt University Medical Center, Nashville, TN  
Orthopedic Surgery Residency  
July 2001 – June 2005
- New England Baptist Hospital, Boston, MA  
Otto Aufranc Joint Replacement Fellowship  
July 2005 – June 2006

## **Licensure and Certification:**

#### State(s) in which licensed:

- Tennessee Medical License, 06/30/2003 - present

## **Board Certifications:**

- United States Medical Licensing Examinations, National Board of Medical Examiners  
Step I-June 1998, Step II-November 1999, Step III-June 2002
- Board Certification in Orthopedic Surgery, American Board of Orthopedic Surgery  
1<sup>st</sup> certification - August 2008, 2<sup>nd</sup> certification - August 2018

### **Hospital/Ambulatory Surgery Center Appointments:**

- St. Thomas Midtown Hospital, Nashville, TN, 2006 - present
- St. Thomas Hospital for Specialty Surgery, Nashville, TN, 2014 - present
- Centennial Medical Center Hospital, Nashville, TN, 2006 - present
- Baptist Ambulatory Surgery Center, Nashville, TN, 2006 - present

### **Employment:**

- Tennessee Orthopedic Alliance, Nashville, TN, 2006 - present

### **Professional Organizations:**

#### Current

- Tennessee Orthopedic Alliance  
Board Member, January 2015 – present  
Treasurer, 2017 -2020  
President, 2020 - present  
Chairman, Quality Improvement Committee, January 2017 - 2020
- Conformis Surgical Advisory Board  
iTotal Knee Replacement, May 2013 - present  
Designed and produced custom knee replacements
- Conformis Surgical Advisory Board  
iTotal Hip Replacement, November 2016 - present  
Designed and produced custom hip replacements
- Faith Family Medical Center, Nashville, TN  
Board Member, November 2015 - present
- St. Thomas Midtown Hospital Orthopedic Department  
Vice Chief of Orthopedics, July 2019 - present
- American Academy of Orthopedic Surgeons, July 2005 - present
- American Association of Hip and Knee Surgeons (AAHKS), July 2006 – present  
AAHKS Digital Media Committee, 2020 - present
- Tennessee Orthopedic Society, August 2006 - present
- Vanderbilt Orthopedic Society, July 2005 – present

#### Past

- American Academy of Orthopedic Surgeons, Adult Reconstruction Hip Program

- Committee Member, 2013-2014
- St. Thomas Midtown Hospital, Orthopedic Department  
Chief of Orthopedics, July 2011 - July 2012
- St. Thomas Midtown Hospital, Orthopedic Department  
Vice Chief of Orthopedics, July 2009 - July 2011
- Arthritis Foundation, Nashville Chapter  
Board Member, 2006-2008

### **Professional Activities:**

- AdviceHub, Inc., Founder, 2017-2020, closed.  
Patient education platform that allowed patients to obtain advice about healthcare experiences from former patients via patient to patient chat messaging.
- OrthoFounders, Co-Founder, 2018-present  
Networking and investment group consisting of 40 orthopedic entrepreneurs in 20 states. [www.orthofounders.com](http://www.orthofounders.com)

### **Special Awards or Recognition for Professional Activities:**

- Alpha Omega Alpha (2000).

### **Research:**

#### Current

- Conformis retrospective CR knee replacement study, 2015 - present
- Conformis prospective PS knee replacement study, 2017 – present
- Conformis prospective CR knee replacement study, 2020 - present
- Conformis prospective hip replacement study, 2019 - present

#### Past

- In Situ Leg Length measurement in total hip arthroplasty, 2008-2011
- Fluoroscopic analysis of CR Zimmer vs. Conformis knee replacement kinematics, 2015-2017
- Fluoroscopic analysis of PS Zimmer vs. Conformis knee replacement kinematics, 2016-2017

### **Publications and Presentations:**

#### Articles in Referenced Journals:

1. Meier M, Zingle S, Steinert A, **Kurtz WB**, [What is the possible impact of high variability of distal femoral geometry on TKA?](#) Clin Orthop Relat Res (2019) 477: 561-570.
2. Zeller IM, Sharma A, **Kurtz WB**, Anderle MR, Komistek RD. [Customized versus patient-sized cruciate-retaining total knee arthroplasty: an in vivo kinematics study using mobile fluoroscopy](#). Journal of Arthroplasty. Apr 2017 Vol. 32 (4) pp. 1344-1350.
3. **Kurtz WB**, Slamin JE, Doody SW. Bone Preservation in a Novel Patient Specific Total Knee Replacement. Reconstructive Review. 2016 Vol. 6(1).
4. **Kurtz WB**. [In Situ Leg Length Measurement Technique in Hip Arthroplasty](#). Journal of Arthroplasty. Jan 2012, Vol 27 (1) pp. 66-73.
5. **Kurtz WB**, Ecker T, Reichmann W, Murphy S. [Factors Affecting Bony Impingement in Hip Arthroplasty](#) Journal of Arthroplasty: June 2010 Vol 25(4) pp. 624-34.
6. Obremskey WT, Austin T, Crosby C, MS, Driver R, **Kurtz WB**, Shuler F, Kregor P. [Detection of Orthopaedic Implants by Airport Metal Detectors](#). J Orthop Trauma Volume 21, Number 2, February 2007.
7. Dozier JK, Harrigan T, **Kurtz WB**, Hawkins C, Hill R. [Does Increased Cement Pressure Produce Superior Femoral Component Fixation](#) Journal of Arthroplasty: Volume 15(4), June 2000, pp. 488-495.

#### Presentations at Scientific Meetings:

1. Kurtz WB, Murphy S, Factors affecting bony impingement in total hip arthroplasty, Computer Assisted Orthopedic Surgery annual meeting, Montreal, June 2006.
2. Kurtz WB, Murphy S, Factors affecting bony impingement in total hip arthroplasty, International Science and Technology in Arthroplasty annual meeting, New York, 2006.
3. Kurtz WB, In Situ leg length measurements in total hip arthroplasty, Mid-America Orthopedic Association annual meeting, April 2009.
4. Kurtz WB, In Situ leg length measurements in total hip arthroplasty, Orthopedic Research Society annual meeting, March 2010.
5. Kurtz WB, In Situ leg length measurements in total hip arthroplasty, American Academy of Orthopedic Surgery annual meeting, poster presentation, March 2010.
6. Kurtz WB, Smith SE, Nashville Joint Replacement Symposium (co-chair), Nashville, TN, September 2012.
7. Kurtz WB, Fluoroscopic analysis of knee kinematics, Mid-America Orthopedic Association annual meeting, Amelia Island, SC, 2013.
8. Kurtz WB, Fluoroscopic analysis of knee kinematics, Pan-Pacific ICJR annual meeting, Hawaii, 2014.

#### **Patents:**

1. Leg Measurement Device using a Femoral Prosthesis, 11/640,141, filed 12/16/2006.
2. Total Joint Replacement component positioning using pin-less navigation, 20080146969 filed 10/19/2007.

3. Leg Length Measurement Guide System and Method for total joint, 12/823,127 filed 06/24/2009.
4. Improved Constrained Liner System, 61/607553 filed 03/06/2012.
5. Improved Total Knee Arthroplasty System and Method, 61/640,703, 61/781626 filed 04/30/2012, 03/14/2013, 04/30/2013.
6. CMR Method for Knee Arthroplasty and Instrument, 61/641,875, 61/781521 filed 05/02/2012, 03/14/2013.
7. Polyethylene Bearing Surfaces for Knee Replacement, 61/678,189 filed 08/01/2012.
8. Soft Tissue Protector, 61/716,571 filed 10/21/2012.
9. Patellar Resection Instrument Guide having optional Patient Specific Features, 13/762,164 filed 02/07/2013.
10. Acetabular Fixation System and Method, 61/784171 filed 03/14/2013.
11. Improved Cemented Acetabular Liner, 61/786618 filed 03/15/2013.

**Community Activities (Other):**

- Westminster Presbyterian Church, Member (2006-present).
- Richland Country Club, Social Member (2010-present).
- Vanderbilt Legends Club, Regular Family Member (2019-present).
- Habitat for Humanity of Greater Nashville, annual build with Westminster Presbyterian Church (2006-present).