

DAVID W. HENNESSY, M.D.

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HOSPITAL AFFILIATIONS

University Hospital – UW Health, Madison, WI
UW Health at the American Center – Madison, WI
American Family Children’s Hospital – UW Health, Madison, WI
William S. Middleton Memorial Veterans Hospital – Madison, WI

EDUCATION & TRAINING

Massachusetts General Hospital	<i>Boston, MA</i>
Clinical Fellow in Adult Reconstructive Surgery	<i>8/1/2017-7/31/2018</i>
Clinical Fellow in Orthopedic Oncology	<i>8/1/2016-7/31/2017</i>
University of Wisconsin School of Medicine and Public Health	<i>Madison, WI</i>
Orthopedic Surgery Residency	<i>6/24/2011-6/23/2016</i>
<i>Chief Resident</i>	<i>6/24/2015-6/23/2016</i>
University of Iowa Roy J. and Lucille A. Carver College of Medicine	<i>Iowa City, IA</i>
Doctor of Medicine (M.D.) with Research Distinction	<i>8/2007-5/2011</i>
University of Iowa College of Liberal Arts and Science	<i>Iowa City, IA</i>
Bachelor of Science (B.S.) with Honors in Integrative Physiology and with Highest Distinction	<i>8/2004-5/2007</i>

MEDICAL LICENSURES

Wisconsin – Active
Massachusetts – Inactive

HONORS & AWARDS

3rd Place Young Investigator presentation at the 2016 MSTs Annual Meeting	<i>10/2016</i>
Presentation: “The Burden of Metastatic Disease of the Femur on the Medicare System”	
Chief Resident Outstanding Research Award	<i>6/2016</i>
Presentation: “Can Intramuscular pH Levels Diagnose Acute Compartment Syndrome?”	
Alpha Omega Alpha (AOA) Honor Society, Iowa Chapter	<i>4/2010-Present</i>
Research Distinction Track	<i>5/2007-5/2011</i>
Recognition for significant participation in medical research throughout the four years of medical school and the production of a published manuscript. Mentor: John J. Callaghan, M.D., University of Iowa, Dept. of Orthopaedic Surgery	

- Robert J. Roberts Award for Achievement in Medical Pharmacology** 12/2008
University of Iowa Carver College of Medicine
Awarded for achieving the highest performance in Medical Pharmacology.
- Outstanding Achievement in Medical Biochemistry – Finalist** 12/2007
University of Iowa Carver College of Medicine
Awarded for achieving high performance in Medical Biochemistry and the completion of additional Honors coursework.
Honors course thesis: “Adenosine Deaminase Deficiency Associated Severe Combined Immunodeficiency and Related Developments in Gene Therapy.”
- Ponseti Prize in Orthopaedic Research** 8/2007
Awarded at the University of Iowa Carver College of Medicine Student Research Day
Presentation: “Minimum 10 Year Follow-Up of a Second Generation Fully Coated Femoral Component in Primary Total Hip Replacement.”
Advisor: John J. Callaghan, M.D.

PEER-REVIEWED PUBLICATIONS

1. Manalo JPM, Castillo T, Hennessy D, Peng Y, Schurko B, Kwon YM. Preoperative opioid medication use negatively affects health related quality of life after total knee arthroplasty. *Knee*. 2018 S0968-0160(18):30159-5. PMID: 30108011.
2. Hennessy D, Anderson M, Lozano-Calderon S. Complex pelvic reconstruction using patient-specific instrumentation and a 3D-printed custom implant following tumor resection. *J Hip Surg*. 2018 2:61-67.
3. Gendi K, Hennessy D, Heiner J. The burden of metastatic disease of the femur on the medicare system. *SpringerPlus*. 2016 Nov;4(5):1916. PMID: 27867823.
4. Goetz DD, Reddy A, Callaghan JJ, Hennessy DW, Bedard NA, Liu SS. Four- to six-year follow-up of primary THA using contemporary titanium tapered stems. *Orthopedics*. 2013 Dec;36(12):e1521-6. PMID: 24579224.
5. Callaghan JJ, Becker MW, Hennessy DW, Goetz DD, Kelley SS. Durability of a cruciate-retaining TKA with modular tibial trays at 20 years. *Clin Orthop Relat Res*. 2013 Jan;471(1):109-17. PMID: 22669547.
6. Callaghan JJ, Hennessy DW, Liu SS, Goetz KE, Heiner AD. Cementing acetabular liners into secure cementless shells for polyethylene wear provides durable mid-term fixation. *Clin Orthop Relat Res*. 2012 Nov;470(11):3142-7. PMID: 22585349.
7. Moyer JA, Metz CM, Callaghan JJ, Hennessy DW, Liu SS. Durability of second-generation extensively porous-coated stems in patients age 50 and younger. *Clin Orthop Relat Res*. 2010 Feb;468(2):44-53. PMID: 19727992.
8. Hennessy DW, Callaghan JJ, Liu SS. Second-generation extensively porous-coated THA stems at minimum 10-year followup. *Clin Orthop Rel Res*. 2009 Sep;467(9):2290-6. PMID: 19365696.

RESEARCH PRESENTATIONS

- Musculoskeletal Tumor Society (MSTS)** 10/2018
To Assess the Added Value of Intravenous Gadolinium for Knee Osteosarcoma Resection Planning in Pediatric Patients and Young Adults
- Pierce TP, Lee SJ, Crawford B, Hennessy DW, Park A, Sagar P, Heng M, Lozano-Calderon S
- Orthopaedic Research Society (ORS)** 3/2018
Does Preoperative Opioid Medication Use Negatively Affect Health Related Quality of Life After Total Knee Arthroplasty?
- Manalo JP, Castillo T, Hennessy D, Peng Y, Arauz P, Schurko B, Bhashyam A, Kwon YM
- Connective Tissue Oncology Society (CTOS)** 11/2017
The Long-term Survival of Mega-Endoprosthetic Reconstructions after Two-Stage Revision Surgery for Periprosthetic Joint Infection
- Hennessy DW, Lopez W, Hornicek F, Raskin K, Schwab J, Lozano-Calderon S
- Orthopaedic Trauma Association (OTA)** 10/2017
Can Intramuscular pH Levels Diagnose Acute Compartment Syndrome?
- Doro C, Hennessy DW, O'Toole R, Higgins T
- Musculoskeletal Tumor Society (MSTS)** 9/2017
The Long-term Survival of Mega-Endoprosthetic Reconstructions after Two-Stage Revision Surgery for Periprosthetic Joint Infection
- Hennessy DW, Lopez W, Hornicek F, Raskin K, Schwab J, Lozano-Calderon S
- Musculoskeletal Tumor Society (MSTS)** 10/2016
The Burden of Metastatic Disease of the Femur on the Medicare System
- Hennessy DW (presenter), Gendi K, Heiner J
- **Award: 3rd Place Young Investigator presentation at the 2016 MSTS Annual Meeting**
- American Association of Hip and Knee Surgeons (AAHKS)** 11/2013
What We Can and What We Can't Learn from Minimum Twenty-Year Follow-Up Studies of Total Knee Replacement
- Callaghan JJ, Martin CT, Hennessy DW, Liu SS, Goetz DD, Pugely AJ, Goa Y, Kelley SS, Johnston RC
- Knee Society Interim Meeting** 9/2013
What We Can and What We Can't Learn from Minimum Twenty-Year Follow-Up Studies of Total Knee Replacement
- Callaghan JJ, Martin CT, Hennessy DW, Liu SS, Goetz DD, Pugely A, Gao Y, Johnston RC
- American Orthopaedic Association (AOA)** 6/2012
What We Can and What We Can't Learn from Minimum Twenty-Year Follow-Up Studies of Total Knee Replacement
- Callaghan JJ, Hennessy DW, Beckert MW, Liu SS, Gao Y, Goetz DD, Kelley SS, Johnston RC
- Special Emphasis Poster
- Mid-America Orthopaedic Association (MAOA)** 4/2012
Minimum 20-Year Follow-Up of a Cruciate-Retaining Modular Tray Total Knee Replacement With Cement
- Hennessy DW, Callaghan JJ, Beckert MW, Liu SS, Goetz DD, Gao Y, Kelley SS

What We Can and What We Can't Learn from Minimum 20-Year Follow-Up Studies of Total Knee Replacement

- [Hennessy DW](#), Callaghan JJ, Beckert MW, Liu SS, Goetz DD, Gao Y, Kelley SS, Johnston RC

American Academy of Orthopaedic Surgeons (AAOS) 2/2012

Minimum 20-Year Follow-Up of a Cruciate Retaining Modular Tray Total Knee Replacement with Cement

- Callaghan JJ, Beckert MW, [Hennessy DW](#) (presenter), Liu SS, Goetz DD, Gao Y, Kelley SS

What We Can And What We Can't Learn from Minimum Twenty-Year Follow-Up Studies of Total Knee Replacement

- Callaghan JJ, [Hennessy DW](#), Beckert MW, Liu SS, Gao Y, Goetz DD, Kelley SS, Johnston RC

Orthopaedic Research Society (ORS) 1/2012

What We Can and What We Can't Learn from Minimum Twenty-Year Follow-Up Studies of Total Knee Replacement – [poster]

- Callaghan JJ, [Hennessy DW](#), Beckert MW, Liu SS, Gao Y, Goetz DD, Kelley SS, Johnston RC

Combined New Zealand Orthopaedic Association/Australian Orthopaedic Association (NZOA/AOA) 10/2011

Minimum 20-Year Follow-Up of a Cruciate Retaining Modular Tray TKR with Cement

- Callaghan JJ, Beckert MW, [Hennessy DW](#), Liu SS, Goetz DD, Gao Y, Kelley SS

Knee Society Interim Meeting 9/2011

Minimum 20-Year Follow-Up of a Cruciate Retaining Modular Tray TKR with Cement

- Callaghan JJ, Beckert MW, [Hennessy DW](#), Liu SS, Goetz DD, Gao Y, Kelley SS

International Hip Society (IHS) Closed Meeting 9/2011

Cementation of Acetabular Liners into Secure Cementless Shells in Cases of Polyethylene Wear

- Callaghan JJ, [Hennessy DW](#), Liu SS, Goetz KE, Heiner AD

Iowa Orthopaedic Society (IOS) 4/2010

Durability of Second-generation Extensively Porous-coated Stems in Patients Age 50 and Younger

- Moyer JA, Metz CM, Callaghan JJ, [Hennessy DW](#), Liu SS

International Hip Society (IHS) 9/2009

Total Hip Replacement in Patients 25 Years of Age and Younger

- Callaghan JJ, Wells CW, Liu SS, [Hennessy DW](#)

Hip Society Summer Meeting 9/2008

Five to Ten Year Follow-Up of Cementless Total Hip Arthroplasty in Patients Age 50 and Under, Using Contemporary Extensively Coated Femoral Implant

- Callaghan JJ, Metz CM, [Hennessy DW](#), Liu SS

University of Iowa Carver College of Medicine Student Research Day 9/2008

Minimum Ten Year Follow-Up of Cementless Total Hip Arthroplasty Using a Second Generation Extensively Porous Coated Femoral Component – [poster]

- [Hennessy DW](#) (presenter), Callaghan JJ, Liu SS.

International Hip Society (IHS) 8/2008

Minimum 10 Year Follow-Up of A Second Generation Fully Coated Femoral Component in Primary THR

- Callaghan JJ, [Hennessy DW](#), Liu SS

American Orthopaedic Association (AOA) 6/2008

Minimum 10 Year Follow-Up of a Second Generation Fully Coated Femoral Component in Primary THR
- Hennessy DW, Callaghan JJ, Liu SS

Total Hip Replacement in Patients 25 Years of Age and Younger
- Callaghan JJ, Wells CW, Liu SS, Hennessy DW

Mid-America Orthopaedic Association (MAOA) 4/2008

Minimum Ten-Year Follow-Up of a Second Generation Fully Coated Femoral Component in Primary THR

- Hennessy DW (presenter), Callaghan JJ, Liu SS

Total Hip Replacement in Patients 25 Years of Age and Younger
- Wells CW, Callaghan JJ, Liu SS, Hennessy DW

University of Iowa Carver College of Medicine Student Research Day 9/2007

Minimum 10 Year Follow-Up of a Second Generation Fully Coated Femoral Component in Primary Total Hip Replacement – [poster]

- Hennessy DW (presenter), Callaghan JJ, Liu SS

- **Award: Ponseti Prize in Orthopaedic Research**