

SEAN A. SUTPHEN, DO

Illinois Bone and Joint Institute
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EDUCATION

Miami University
B.A., Zoology

Oxford, OH
May 2008

Lake Erie College of Osteopathic Medicine
Doctor of Osteopathic Medicine

Erie, PA
June 2012

POST-GRADUATE TRAINING

Ohio University Heritage College of Osteopathic Medicine/OhioHealth
Orthopedic Surgery Resident

Columbus, OH
7/2012 – 6/2017

- Chief Resident
- Affiliations with: Nationwide Children's Hospital, The Ohio State University

Hospital for Special Surgery
Orthopedic Surgery Adult Reconstruction Fellow

New York, NY
8/2017 – 7/2018

- Affiliations with: Weill Cornell Medical College and New York Presbyterian Hospital
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MEDICAL CERTIFICATIONS AND LICENSURE

Advanced Trauma Life Support	2013 - Present
Advanced Cardiac Life Support/Basic Life Support	2014 - Present
Ohio Medical License	2015 - 2018
New York Medical License	2016 - Present
Illinois Medical License	2018 - Present

FACULTY APPOINTMENTS AND CLINICAL POSITIONS

Ohio University Heritage College of Osteopathic Medicine/OhioHealth
Adjunct Clinical Faculty

Columbus, OH
7/2012 – 6/2017

Weill Cornell Medical College
Adjunct Clinical Faculty

New York, NY
8/2017 – 7/2018

PROFESSIONAL MEMBERSHIPS

American Osteopathic Association	2008 - Present
Sigma Sigma Phi Medical Honors Society	2009 - Present
Ohio Osteopathic Association, Resident Member	2012 - 2017
American Osteopathic Academy of Orthopedics	2012 - Present
American Academy of Orthopedic Surgeons	2012 - Present
AO Trauma	2013 - Present
American Association of Hip and Knee Surgeons	2015 - Present
Mid-America Orthopaedic Association	2015 - Present
International Congress for Joint Reconstruction	2016 - Present

AWARDS/HONORS

American Collegiate Hockey Association All-American	2005 - 2007
Miami University Hockey Club Captain	2005 - 2008
Miami University Hockey Club MVP	2005 - 2007
American Collegiate Hockey Association National Team	2008
Dean's list, Miami University	2006 - 2008
Lake Erie College of Medicine Academic Excellence Scholarship	2009 - 2012
Lake Erie College of Medicine Student of the Year Finalist	2009 - 2010
Lake Erie College of Medicine Surgery Club Executive Board	2008 - 2010
Sigma Sigma Phi Medical Honors Society Induction	2009
TOUCH Pin Award Recipient	2011
Lake Erie College of Medicine Surgery Discipline Award	2012
Doctors Hospital Advanced Anatomical Services Master of Dissection Award	2013
First Place Poster: OhioHealth Research Symposium	2015
Second Place Research Paper: AOA Annual Meeting	2015
Third Place Research Paper: AOA Annual Meeting	2015
First Place Podium: OhioHealth Research Symposium	2016
<i>Orthopedics</i> Blue Ribbon Award Winning Paper	2016
Second Place Research Paper: AOA Annual Meeting	2017

WORK EXPERIENCE

Nationwide Children's Hospital Radiology Department, Research Assistant	2007 - 2009
Nationwide Children's Hospital, Orthopedic Moonlighter	2015 - 2017
OhioHealth Dublin Methodist Hospital, Orthopedic Moonlighter	2015 - 2017

VOLUNTEER EXPERIENCE

Nationwide Children's Hospital Pulmonary Unit <i>Patient Care Volunteer</i>	Columbus, OH 2005 - 2007
Lake Erie College of Osteopathic Medicine Anatomy Lab <i>High School Presenter</i>	Erie, PA 2008 - 2010
Dublin Methodist Hospital Surgery Department <i>Patient Care Volunteer</i>	Dublin, OH 2008 - 2010
Dominican Republic Medical Missionary Trip <i>Volunteer Student Physician</i>	Santo Domingo, DR 2009
Bishop Ready High School <i>Sports Physicals</i>	Columbus, OH 2012 - 2014
Doctors Hospital Casting and Splinting Clinic <i>Instructor</i>	Columbus, OH 2013
The Arnold Schwarzenegger Sports Festival <i>Volunteer Physician</i>	Columbus, OH 2013 - 2015

PUBLICATIONS

Peer-reviewed Journals

1. **Sutphen S**, Murakami JW. Radiofrequency ablation of a cervical osteoid osteoma: a trans-thyroid approach. *Pediatric Radiology*. 2007, 3 (1): 83-85.
2. Ng VY, Arnott L, Li J, Hopkins R, Lewis J, **Sutphen S**, Nicholson L, Reader D, McShane MA. Comparison of Custom to Standard TKA Instrumentation with Computed Tomography. *Knee Surg Sports Traumatol Arthrosc*. 2014 Aug; 22(8): 1833-42.
3. **Sutphen S**, MacLaughlin L, Madsen A, Russell J, McShane MA. Prevalence of Pseudotumor in Patients after Metal-on-Metal Hip Arthroplasty Evaluated with Metal Ion Analysis and MARS-MRI. *J Arthroplasty*. 2016 Jan; 31(1): 260-3.
4. **Sutphen S**, Beebe A, Klingele KE. Bridge Plating Length-Unstable Femoral Shaft Fractures. *J Pediatr Orthop*. 2016 Jun; 36 Suppl 1:S29-34.
5. **Sutphen S**, Adams JB, Lombardi AV. Failed Modular Neck Stems: Tip and Tricks. *J Arthroplasty*, 2016 Jul; 31(7):1390-4.
6. **Sutphen S**, Mendoza J, Mundy AC, Yang G, Beebe A, Klingele KE. Pediatric Diaphyseal Femur Fractures: A Comparison of Outcomes after Submuscular Plating, Flexible Intramedullary Nailing, and Rigid Intramedullary Nailing. *Orthopedics*. 2016 Nov 1;39(6):353-358. Blue Ribbon Award Winning Paper.
7. Prissel MA, Simpson GA, **Sutphen S**, Hyer CF, Berlet GC. Ankle Arthrodesis: A Retrospective Review Comparing Single Column, Locked Anterior Plating to Crossed Lag Screw Technique. *J Foot Ankle Surg*. 2017 May - Jun;56(3):453-456.
8. **Sutphen S**, Berend KR, Morris MJ, Lombardi AV. The Direct Anterior Approach has a Lower Rate of Deep Infection than the Limited Incision Direct Lateral Approach in Primary Total Hip Arthroplasty. *J Surg Orthop Adv*. Spring 2018;27(1):21-24.
9. **Sutphen S**, Ranawat AS. Biomechanical Assessment of a Novel Posterior Soft Tissue Repair Technique in Primary Total Hip Arthroplasty. *Orthopaedic Proceedings*. 2018 Oct 16; Vol. 100-B, No. SUPP_13.
10. **Sutphen S**, Lipman J, Jerabek S, Mayman D, Esposito C. Treatment of Recurrent Dislocation after Total Hip Arthroplasty Using Advanced Imaging and Three-Dimensional Modeling Techniques: A Case Series. *HSS J*. July 2019.
11. Johnson D, **Sutphen S**, Triplet J, Taylor B, Wasielewski R. Findings in Non-Recalled Metal-on-Metal Total Hip Arthroplasty Patients. *EC Orthopaedics*. 10.11(2019): 43-51.
12. McGowan S, Myers D, Taylor B, Madsen A, **Sutphen S**, Galos D, Mehta S. Difficulty of Total Hip Arthroplasty Following Open Reduction and Internal Fixation of an Acetabulum Fracture. *Journal of Long-Term Effects of Medical Implants*. 29(3): 247-254 (2019).

Submitted for Publication

1. Hansen D, Wiseman S, **Sutphen S**, Kusuma S, Wasielewski R. Radiographic and Clinical Results After Robot Assisted Lateral Unicompartmental Arthroplasty. Submitted.

Editorial Positions

1. Journal Reviewer: Journal of Arthroplasty

RESEARCH PRESENTATIONS

International meetings

1. Gkias I, Galanopoulos I, **Sutphen S**, Carroll K, Vigdorich J, Cizmic Z, Sculco P. Robotic Assisted Total Hip Arthroplasty For Hip Fusion Conversion. 20th EFFORT Congress, June 2019. Libson, Portugal. "Poster"
2. **Sutphen S**, Esposito C, Mayman D, Jerabek S. Native femoral neck geometry correlates to final femoral implant position in cementless total hip arthroplasty. International Society for Technology in Arthroplasty Annual Meeting, September 2018. London, England. "Podium"

National meetings

3. Ng VY, Arnott L, Li J, Hopkins R, Lewis J, **Sutphen S**, Nicholson L, Reader D, McShane MA. Comparison of Custom to Standard TKA Instrumentation with Computed Tomography. American Osteopathic Academy of Orthopedics Annual Meeting, October 2014. Rancho Palos Verdes, CA. "Poster"
4. Simpson GA, **Sutphen S**, Peterson K, Ferrucci A, Hyer CF, Berlet GC. Ankle Fusion Rates with Anterior Locking Plates: Is there a difference between plating systems? American Orthopaedic Foot and Ankle Society Annual Meeting, July 2015. Long Beach, CA. "Podium"
5. **Sutphen S**, MacLaughlin L, Madsen A, Russell J, McShane MA. Prevalence of Pseudotumor in Patients after Metal-on-Metal Hip Arthroplasty Evaluated with Metal Ion Analysis and MARS-MRI. American Osteopathic Academy of Orthopedics Annual Meeting, October 2015. Colorado Springs, CO. Second Place Research Paper. "Podium"
6. **Sutphen S**, Mendoza J, Mundy AC, Yang G, Beebe A, Klingele KE. Pediatric Diaphyseal Femur Fractures: A Comparison of Outcomes after Submuscular Plating, Flexible Intramedullary Nailing, and Rigid Intramedullary Nailing. American Osteopathic Academy of Orthopedics Annual Meeting, October 2015. Colorado Springs, CO. Third Place Research Paper. "Podium"
7. **Sutphen S**, MacLaughlin L, Madsen A, Russell J, McShane MA. Prevalence of Pseudotumor in Patients after Metal-on-Metal Hip Arthroplasty Evaluated with Metal Ion Analysis and MARS-MRI. American Osteopathic Academy of Orthopedics Annual Meeting, October 2015. Colorado Springs, CO. Second Place Research Paper. "Poster"
8. **Sutphen S**, Mendoza J, Mundy AC, Yang G, Beebe A, Klingele KE. Pediatric Diaphyseal Femur Fractures: A Comparison of Outcomes after Submuscular Plating, Flexible Intramedullary Nailing, and Rigid Intramedullary Nailing. American Osteopathic Academy of Orthopedics Annual Meeting, October 2015. Colorado Springs, CO. Third Place Research Paper. "Poster"
9. **Sutphen S**, Berend KR, Morris MJ, Lombardi AV. The Direct Anterior Approach has a Lower Rate of Deep Infection than the Limited Incision Direct Lateral Approach in Primary Total Hip Arthroplasty. The Hip Society Annual Meeting, October 2015. "Podium" Presented by Keith R. Berend
10. **Sutphen S**. Robotics in Total Knee Arthroplasty. John N. Insall Knee Society Traveling Fellowship Fellows Day, October 2015. New Albany, OH. "Podium"

11. **Sutphen S**, MacLaughlin L, Madsen A, Russell J, McShane MA. Prevalence of Pseudotumor in Patients after Metal-on-Metal Hip Arthroplasty Evaluated with Metal Ion Analysis and MARS-MRI. American Association of Hip and Knee Surgeons Annual Meeting, November 2015. Dallas, TX. "Poster"
12. Prissel MA, Simpson GA, **Sutphen S**, Hyer CF, Berlet GC. Ankle Arthrodesis: A Retrospective Review Comparing Single Column, Locked Anterior Plating to Crossed Lag Screw Technique. American Academy of Orthopedics Annual Meeting, March 2016. Orlando, FL. "Podium"
13. **Sutphen S**, Hansen DC, Wiseman S, Kusuma SK, Wasielewski R. Robot Assisted Lateral Unicompartmental Arthroplasty Provides Accurate Component Position and Clinical Outcomes. ICJR Annual Pan Pacific Orthopaedic Congress Meeting, August 2016. Kona, HI. "Podium"
14. **Sutphen S**, Hancock J, Isaacson MJ, Wasielewski R. Findings in Non-Recalled Metal-on-Metal Total Hip Arthroplasty Patients Contacted for Long Term Follow-Up. ICJR Annual Pan Pacific Orthopaedic Congress Meeting, August 2016. Kona, HI. "Podium"
15. **Sutphen S**, Mendoza J, Mundy AC, Yang G, Beebe A, Klingele KE. Pediatric Diaphyseal Femur Fractures: A Comparison of Outcomes after Submuscular Plating, Flexible Intramedullary Nailing, and Rigid Intramedullary Nailing. American Osteopathic Academy of Orthopedics Annual Meeting, October 2017. Chicago, IL. Second Place Research Paper. "Podium"
16. **Sutphen S**, Bawa H, Blevins J, Carroll K, Jerabek S, Haas S, Mayman D. Radiographic Measurements do not Influence Anterior Knee Pain Following a Total Knee Arthroplasty at 5 Year Follow-Up. American Association of Hip and Knee Surgeons Annual Meeting, November 2018. Dallas, TX. "Poster"
17. **Sutphen S**, Koch C, Vayneberg I, Chiu Y, Miller A, Sculco P, Cross M. Are One-Stage Revisions as Successful as Two-Stage Revisions in Eradicating Periprosthetic Joint Infections After Total Hip Arthroplasty and Total Knee Arthroplasty. American Association of Hip and Knee Surgeons Annual Meeting, March 2019. Las Vegas, NV. "Poster"
18. **Sutphen S**, Vayneberg I, Joseph A, Chiu Y, Esposito C, Padgett DE. The Changing Face of Total Hip Arthroplasty Failures: An Analysis of 17, 853 Primary Hips. American Association of Hip and Knee Surgeons Annual Meeting, March 2019. Las Vegas, NV. "Podium"

Regional meetings

1. Ng VY, Arnott L, Li J, Hopkins R, Lewis J, **Sutphen S**, Nicholson L, Reader D, McShane MA. Comparison of Custom to Standard TKA Instrumentation with Computed Tomography. Ohio University/OhioHealth Doctors Hospital Research Day, May 2013. Columbus, OH. "Poster"
2. Ng VY, Arnott L, Li J, Hopkins R, Lewis J, **Sutphen S**, Nicholson L, Reader D, McShane MA. Comparison of Custom to Standard TKA Instrumentation with Computed Tomography. Ohio Osteopathic Research Symposium, May 2013. Columbus, OH. "Poster"
3. Ng VY, Arnott L, Li J, Hopkins R, Lewis J, **Sutphen S**, Nicholson L, Reader D, McShane MA. Comparison of Custom to Standard TKA Instrumentation with Computed Tomography. The Ohio State University 41st Annual Mallory-Coleman Research Day, June 2013. Columbus, OH. "Podium"
4. Madsen A, **Sutphen S**, Serna F, Mehta S, Taylor B. Difficulty of Total Hip Arthroplasty Following Open Reduction and Internal Fixation of an Acetabulum Fracture. Northwest Ohio Osteopathic Poster Competition and Exhibition, December 2014. Sandusky, OH. "Poster"

5. **Sutphen, S.** Tibia Spine Fractures in the Pediatric Patient. *Ohio Orthopedic Surgery Residency Program Advisory Committee Webinar*, November 2014. Columbus, OH. "Podium"
6. **Sutphen, S.** Fractures of the Femoral Shaft in the Pediatric Patient. Nationwide Children's Hospital Department of Orthopedics Grand Rounds, February 2015. Columbus, OH. "Podium"
7. Madsen A, **Sutphen S**, Serna F, Mehta S, Taylor B. Difficulty of Total Hip Arthroplasty Following Open Reduction and Internal Fixation of an Acetabulum Fracture. Ohio Orthopedic Society Annual Meeting, May 2015. Columbus, OH. "Podium"
8. Madsen A, **Sutphen S**, Serna F, Mehta S, Taylor B. Difficulty of Total Hip Arthroplasty Following Open Reduction and Internal Fixation of an Acetabulum Fracture. Ohio University/OhioHealth Research Symposium, June 2015. Columbus, OH. "Podium"
9. Madsen A, **Sutphen S**, Serna F, Mehta S, Taylor B. Difficulty of Total Hip Arthroplasty Following Open Reduction and Internal Fixation of an Acetabulum Fracture. The Ohio State University 43rd Annual Mallory-Coleman Research Day, June 2015. Columbus, OH. "Podium"
10. Madsen A, **Sutphen S**, Serna F, Mehta S, Taylor B. Difficulty of Total Hip Arthroplasty Following Open Reduction and Internal Fixation of an Acetabulum Fracture. Ohio University/OhioHealth Doctors Hospital Research Day, June 2015. Columbus, OH. "Podium"
11. **Sutphen S**, MacLaughlin L, Madsen A, Russell J, McShane MA. Prevalence of Pseudotumor in Patients after Metal-on-Metal Hip Arthroplasty Evaluated with Metal Ion Analysis and MARS-MRI. Ohio University/OhioHealth Research Symposium, June 2015. Columbus, OH. "Podium"
12. **Sutphen S**, MacLaughlin L, Madsen A, Russell J, McShane MA. Prevalence of Pseudotumor in Patients after Metal-on-Metal Hip Arthroplasty Evaluated with Metal Ion Analysis and MARS-MRI. Ohio University/OhioHealth Doctors Hospital Research Day, June 2015. Columbus, OH. "Poster"
13. **Sutphen S**, MacLaughlin L, Madsen A, Russell J, McShane MA. Prevalence of Pseudotumor in Patients after Metal-on-Metal Hip Arthroplasty Evaluated with Metal Ion Analysis and MARS-MRI. The Ohio State University 43rd Annual Mallory-Coleman Research Day, June 2015. Columbus, OH. "Podium"
14. **Sutphen S**, Mendoza J, Mundy AC, Yang G, Beebe A, Klingele KE. Pediatric Diaphyseal Femur Fractures: A Comparison of Outcomes after Submuscular Plating, Flexible Intramedullary Nailing, and Rigid Intramedullary Nailing. Ohio University/OhioHealth Doctors Hospital Research Day, June 2015. Columbus, OH. "Poster"
15. **Sutphen S**, Mendoza J, Mundy AC, Yang G, Beebe A, Klingele KE. Pediatric Diaphyseal Femur Fractures: A Comparison of Outcomes after Submuscular Plating, Flexible Intramedullary Nailing, and Rigid Intramedullary Nailing. Ohio University/OhioHealth Research Symposium, June 2015. Columbus, OH. First Place "Poster"
16. **Sutphen S**, Mendoza J, Mundy AC, Yang G, Beebe A, Klingele KE. Pediatric Diaphyseal Femur Fractures: A Comparison of Outcomes after Submuscular Plating, Flexible Intramedullary Nailing, and Rigid Intramedullary Nailing. The Ohio State University 43rd Annual Mallory-Coleman Research Day, June 2015. Columbus, OH. "Podium"
17. Prissel MA, Simpson GA, **Sutphen S**, Hyer CF, Berlet GC. Ankle Arthrodesis: A Retrospective Review Comparing Single Column, Locked Anterior Plating to Crossed Lag Screw Technique. Ohio University/OhioHealth Research Symposium, June 2015. Columbus, OH. "Poster"

18. Prissel MA, Simpson GA, **Sutphen S**, Hyer CF, Berlet GC. Ankle Arthrodesis: A Retrospective Review Comparing Single Column, Locked Anterior Plating to Crossed Lag Screw Technique. Ohio Osteopathic Research Symposium, April 2016. Columbus, OH. "Poster"
19. **Sutphen S**, Berend KR, Morris MJ, Lombardi AV. The Direct Anterior Approach has a Lower Rate of Deep Infection than the Limited Incision Direct Lateral Approach in Primary Total Hip Arthroplasty. Ohio University/OhioHealth Research Symposium, May 2016. Columbus, OH. First Place "Podium"
20. **Sutphen S**, Berend KR, Morris MJ, Lombardi AV. The Direct Anterior Approach has a Lower Rate of Deep Infection than the Limited Incision Direct Lateral Approach in Primary Total Hip Arthroplasty. The Ohio State University 44th Annual Mallory-Coleman Research Day, June 2016. Columbus, OH. "Podium"
21. **Sutphen S**, Hansen DC, Wiseman S, Kusuma SK, Wasielewski R. Robot Assisted Lateral Unicompartmental Arthroplasty Provides Accurate Component Position and Clinical Outcomes. The Ohio State University 45th Annual Mallory-Coleman Research Day, June 2017. Columbus, OH. "Podium"
22. **Sutphen S**, Koch C, Vayneberg I, Chiu Y, Miller A, Sculco P, Cross M. Are one-stage revisions as successful as two-stage revisions in eradicating periprosthetic joint infections after THA and TKA? Hospital for Special Surgery Clinical Fellows Research Presentations, June 2018. New York, NY. "Podium"

CURRENT RESEARCH INVOLVEMENT

1. Reducing Postoperative Antibiotic Polypharmacy in Orthopedic Surgery: A Multi-Center Blinded, Prospective Randomized Study, with Ben Taylor, M.D., Grant Medical Center.
2. The changing face of total hip arthroplasty failures; an analysis of 17, 141 primary hips with Doug Padgett, M.D., Hospital for Special Surgery.
3. What is the Variability of Femoral Anteversion after Total Hip Arthroplasty? with David Mayman M.D. and Seth Jerabek M.D., Hospital for Special Surgery.
4. Are one-stage revisions as successful as two-stage revisions in eradicating periprosthetic joint infections after THA and TKA? with Michael Cross M.D. and Peter Sculco MD, Hospital for Special Surgery.
5. Radiographic Measurements do not Influence Anterior Knee Pain following a Total Knee Arthroplasty at 5 Year Follow-Up with David Mayman M.D., Hospital for Special Surgery.
6. Validity of a "Dry Tap" Prior to Reimplantation, with Michael Cross M.D., Hospital for Special Surgery.
7. Native Femoral Anteversion Can Be Measured Accurately With Low Dose Biplanar Imaging with Seth Jerabek M.D., Hospital for Special Surgery.