

## **Stephen Austin Klinge, MD**

### **MEDICAL EDUCATION**

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#### **Doctor of Medicine**

Columbia University College of Physicians and Surgeons, New York, NY

#### **General/Orthopaedic Surgery Internship**

The Warren Alpert Medical School of Brown University, Providence, RI  
Rhode Island Hospital, The Miriam Hospital, Hasbro Children's Hospital

#### **Orthopaedic Surgery Residency**

The Warren Alpert Medical School of Brown University, Providence, RI  
Rhode Island Hospital, The Miriam Hospital, Hasbro Children's Hospital

#### **Orthopaedic Trauma Surgery Fellowship**

The Warren Alpert Medical School of Brown University, Providence, RI  
Rhode Island Hospital, Hasbro Children's Hospital

#### **Orthopaedic Sports Surgery Fellowship**

University of Connecticut School of Medicine, Farmington, CT  
University of Connecticut Health Center

### **PRE-MEDICAL EDUCATION**

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#### **Bachelor of Arts, Psychology**

Georgetown University, Washington, DC  
Magna cum laude  
English minor

### **PROFESSIONAL AFFILIATIONS/PRACTICE EXPERIENCE**

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#### **Orthopedic Surgeon**

UMass Memorial Marlborough Hospital, Marlborough, MA

#### **Orthopedic Surgeon**

Rhode Island Hospital and Hasbro Children's Hospital, Providence, RI

## **Orthopedic Surgeon**

Veterans Affairs Medical Center, Providence, RI

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

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American Academy of Orthopaedic Surgeons (AAOS)

Arthroscopy Association of North America (AANA)

American Orthopaedic Society of Sports Medicine (AOSSM)

## **HONORS and AWARDS**

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**American Orthopedic Association Emerging Leader**

**American Orthopedic Association Resident Leader**

**Most Valuable Resident Award, Department of Orthopaedic Surgery**

Orthopaedic Surgery Residency Program, Brown University, Providence, RI

**Rugby Team President**

College of Physicians and Surgeons, Columbia University, New York, NY

**Magna cum laude graduate**

Georgetown University, Washington DC

**Alpha Sigma Nu, Jesuit Honor Society**

Georgetown University, Washington DC

**Eagle Scout Award, Boy Scouts of America**

Des Plaines Valley Counsel, Troop Twenty-Eight, Oak Park, IL

## **SPORTS TEAM COVERAGE EXPERIENCE**

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**University of Connecticut**

Storrs, CT

**Trinity College**

Hartford, CT

**Providence Bruins Professional Hockey**

Providence, RI

**NCAA Hockey**

Providence, RI

**Brown University**

Providence, RI

## LOCAL and NATIONAL SERVICE

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### **Clinical Instructor, Department of Orthopaedic Surgery**

Warren Alpert Medical School of Brown University, Providence, RI

### **Manuscript Reviewer, *Clinical Orthopaedics and Related Research***

### **Manuscript Reviewer, *Postgraduate Medicine***

## PEER-REVEIWED PUBLICATIONS

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1. Deren M, **Klinge S**, Mukand N, Mukand J. Tendinopathy and Tendon Rupture Associated with Statins. *JBJS Rev.* 2016. May 17; 4(5).
2. DeFroda S, **Klinge S**. Fat Embolism Syndrome with Cerebral Fatty Embolism Associated with Long Bone Fracture: A Case Report and Review of the Literature [*American Journal of Orthopedics – In Press*].
3. DeFroda S, Feller R, **Klinge S**. Surgical Management of the Aging Athlete. [*Current Sports Medicine Reports – In Press*].
4. **Klinge S**, Vopat B, Paller D, Avery A, Koruprolu, S, Fadale PD. Isolating Suture Slippage During Cadaveric Testing of Knotless Anchors. *Am J Orthop.* 2015 Jul;44(7):E216-9.
5. Vopat BG, **Klinge S**, McClure PK, Fadale PD. The Effects of Fitness on the Aging Process. *J Am Acad Orthop Surg.* 2014 Sep;22(9):576-585. Review.
6. Cohen E, Truntzer J, **Klinge S**, Schiller J. Acute Pediatric Leg Compartment Syndrome in Chronic Myelogenous Leukemia. *Orthopedics.* 2014 Nov;37(11):e1036-9.
7. **Klinge S**, McClure P, Fellars T, Digiovanni C. Modification of the Weil/Maceira Metatarsal Osteotomy to Improve Recalcitrant Coronal Plane Metatarsophalangeal Joint Malalignment during Crossover Toe Correction . *Foot Ankle Int.* 2014 Mar 20. [Epub ahead of print]
8. **Klinge S**, Vopat B, Daniels A, Rubin L, Limbird R. Cable Fixation Failures for Trochanteric Osteotomies. *J Arthroplasty.* 2014 Jun;29(6):1289-91.

9. **Klinge S**, Sawyer GA. Effectiveness and safety of topical versus oral nonsteroidal anti-inflammatory drugs: A comprehensive review. *Phys Sportsmed*. 2013 May;41(2):64-74.
10. **Klinge S**, Hulstyn MJ, Sawyer GA. Essentials of anterior cruciate ligament rupture management. *RI Med J* (2013). 2013 May 1;96(5):28-32.
11. Matsumoto H, Clayton-Krasinski DA, **Klinge S**, Gomez JA, Booker WA, Hyman JE, Roye DP Jr, Vitale MG. Development and initial validation of the assessment of caregiver experience with neuromuscular disease. *J Pediatr Orthop*. 2011 Apr-May; 31(3):284-92.
12. Caubet JF, Emans JB, Smith JT, Vanbosse H, Ramirez N, Flynn J, Vitale M, Smith M, St Hilaire T, **Klinge S**. Increased hemoglobin levels in patients with early onset scoliosis: prevalence and effect of a treatment with Vertical Expandable Prosthetic Titanium Rib (VEPTR). *Spine*. 2009 Nov 1;34(23):2534-6.
13. Bennett CL, Luminari S, Nissenson AR, Tallman MS, **Klinge S**, McWilliams N, McKoy JM, Kim B, Lyons EA, Trifilio SM, Raisch DW, Evens AM, Kuzel TM, Schumock GT, Belknap SM, Locatelli F, Rossert J, Casadevall N. Pure red-cell aplasia and epoetin therapy. *N Engl J Med*. 2004 Sep 30;351(14):1403-8.
14. Borenstein T, Johnson J, Waryasz G, **Klinge S**, McClure P, Biercevicz A, Hayda R, Born C. Vertically oriented femoral neck fractures: A biomechanical comparison of three fixation constructs [Submitted to the Journal of Orthopaedic Trauma].
15. Avery D, Dyrna F, Pauzenberger L, Lam D, Cote M, Divenere J, Obopilwe E, **Klinge S**, Mazzocca A, Rodner C. Headless Compression Screw Fixation for Metacarpal Neck Fractures: A biomechanical Study [Submitted to the Journal of Hand Surgery].
16. Williams A, Cote M, Divenere J, Dwyer C, **Klinge S**, Arciero R, Mazzocca A. Compliance with delayed and early motion protocols following rotator cuff repair: Who fails? [Submitted to the American Journal of Sports Medicine].

## **BOOK and BOOK CHAPTERS**

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1. **Klinge S**, Sawyer G, Fadale P (2013). Lower Extremity Sports. In R. Kamal and A. Weiss (Eds.), *Comprehensive Board Review in Orthopedic Surgery*. New York, NY: Thieme [In-Press].

## ABSTRACTS/PROCEEDINGS

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1. Williams A, Cote M, Divenere J, **Klinge S**, Arciero R, Mazzocca A. "Repair Integrity And Clinical Outcomes Following Arthroscopic Rotator Cuff Repair: A Prospective, Randomized Trial Of Early And Delayed Motion Protocols" AOSSM Annual Meeting 2016, Colorado Springs, CO, July 7-10, 2016 [Accepted Podium Presentation - Paper 143].
2. Avery D, Dyrna F, Pauzenberger L, Lam D, Cote M, Divenere J, Obopilwe E, **Klinge S**, Mazzocca A, Rodner C. Headless Compression Screw Fixation for Metacarpal Neck Fractures: A Biomechanical Study. American Association of Orthopaedic Surgery 2017 Annual Meeting, San Diego, CA, Mar 14-18, 2017 [Submitted].
3. **Klinge S**, McClure P, Kleinhenz D, Johnson J, Hayda R, Born, C. Traumatic Knee Dislocations in the Obese and Morbidly Obese from 2000 to 2010: Increased Incidence and Rate of Vascular Intervention. Orthopaedic Trauma Association 31<sup>st</sup> Annual Meeting, San Diego, CA, Oct 7-10, 2015.
4. McClure, **Klinge S**, Cassidy D, Hayda R, Digiovanni C, Born C. Initial Management Of Unstable Complex Ankle Injuries: The Use Of Emergency Room Versus Operating Room External Fixation. Poster 9. Orthopaedic Trama Association 2014 Annual Meeting, Tampa, FL, Oct 15-18, 2014.
5. **Klinge S**, McClure, P, Vopat B, Paller D, Koruprolu S, Fleming B, Hulstyn M, Fadale P. Predictors of Early Increased Anterior Tibial Laxity in Anterior Cruciate Ligament Reconstruction after Time Zero Cyclic Loading. Podium Presentation. The New England Orthopedic Society Annual Meeting, Jay Peak, VT, June 6-8, 2014.
6. **Klinge S**, McClure, P, Vopat B, Paller D, Koruprolu S, Fleming B, Hulstyn M, Fadale P. In-Vitro Anatomic Double-Bundle and Single-Bundle Anterior Cruciate Ligament Reconstructions Demonstrate Equivalent Laxity after Time Zero Cyclic Loading. Podium Presentation SS-12. Arthroscopy Association of North America Annual Meeting, Hollywood, FL, May 1-3, 2014.
7. Vopat B, **Klinge S**, McClure P, Paller D, Koruprolu S, Hulstyn M, Fleming B, Fadale P. Bone Mineral Density Affects Laxity in Anatomic Single Bundle ACL Reconstructions Under Cyclic Loading. Poster Presentation. Arthroscopy Association of North America Annual Meeting, Hollywood, FL, May 1-3, 2014.

8. **Klinge S**, McClure P, Vopat B, Paller D, Koruprolu S, Fleming B, Hulstyn M, Fadale P. In-Vitro Anatomic Double-Bundle and Single-Bundle Anterior Cruciate Ligament Reconstructions Demonstrate Equivalent Laxity after Time Zero Cyclic Loading. Orthopaedic Research Society Annual Meeting. Poster Presentation PS1-041 New Orleans, LA, Mar 15-18, 2014.
9. Vopat B, **Klinge S**, McClure P, Paller D, Koruprolu S, Hulstyn M, Fleming B, Fadale P. Bone Mineral Density Affects Laxity in Anatomic Single Bundle ACL Reconstructions Under Cyclic Loading. Orthopaedic Research Society Annual Meeting. Poster Presentation PS2-108. New Orleans, LA, Mar 15-18, 2014.
10. **Klinge S**, McClure P, Vaughn J, Cohen E, Digiovanni C. The Educational Value of Common Orthopaedic In-Training Exam Review Sources. Poster Presentation. Eastern Orthopaedic Association Annual Meeting, Miami, Florida, Oct 31 – Nov 2, 2013.
11. McClure P, Cassidy D, **Klinge S**, Lareau C, Hayda R, Born C. Use of an Emergency Room External Fixator for Initial Stabilization of Pilon Fractures. Podium Presentation. Eastern Orthopaedic Association Annual Meeting, Miami, Florida, Oct 31 – Nov 2, 2013.
12. Vopat B, Paller D, **Klinge S**, Karuprolu S, Avery A, Fadale P. Evaluation of Suture Slippage with Knotless Suture Anchors in Rotator Cuff Repair. Podium Presentation 192. Mid America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 17-21, 2013.
13. **Klinge S**, Vitale MG, Matsumoto H, Clayton-Krasinski D, Avendano J, Hyman JE, Roye DP. Development and Initial Validation of the NeuroMuscular Disease Caregiver-Administered Rapid Evaluation. Podium Presentation. American Association of Pediatrics Annual Meeting, Boston, MA, October 11-14, 2008.
14. **Klinge S**, Gomez JA, Vitale MG, Hyman JE, Kaufman B, Addonizio L, Roye DP. Surgical Correction of Spinal Deformities after Heart Transplantation. Podium Presentation. American Association of Pediatrics Annual Meeting, Boston, MA, October 11-14, 2008.
15. Vitale MG, Gomez J, Hyman JE, Matsumoto H, Privitera D, **Klinge S**, Roye DP. Pedicle Screw Placement In Pediatric Scoliosis Surgery: Do Non-Idiopathic Patients Have Higher Misplacement Rates? Podium Presentation. American Association of Pediatrics Annual Meeting, Boston, MA, October 11-14, 2008.
16. Vitale MG, Emerson R, Booker W, Matsumoto H, Gomez J, Moore D, **Klinge S**, Gallo E, Hyman JE, Roye DP. Risk Factors for Spinal Cord Injury During Spinal Deformity Surgery: A Detailed Analysis of Somatosensory (SSEP) and Motor Evoked potential (MEP) in 162 consecutive patients. Poster Presentation. North American Spine Society 23rd Annual Meeting, Toronto, Canada, October 14-18, 2008.

17. Vitale MG, Emerson R, Booker W, Matsumoto H, Gomez J, Moore D, **Klinge S**, Gallo E, Hyman JE, Roye DP. Risk Factors for Spinal Cord Injury During Spinal Deformity Surgery: A Detailed Analysis of Somatosensory (SSEP) and Motor Evoked potential (MEP) in 162 consecutive patients. Poster Presentation. North American Spine Society 23rd Annual Meeting, Toronto, Canada, October 14-18, 2008.
  
18. Kim G, Mack W, Hahn D, Kellner C, Kumar N, Hickman Z, **Klinge S**, Connolly ES. Plasma Levels of Vascular Endothelial Growth Factor in Patients Undergoing Treatment for Cerebral Arteriovenous Malformations. Poster 470. International Stroke Conference 2007. San Francisco, California, February 7-9, 2007.
  
19. **Klinge S**, Chacko R, Bennett CL, Luminari S, Lyons EA, Trifilio S, McKoy J, Yarnold PR, Raisch DW, Tallman MS. Gemtuzumab ozogamicin (GO)-associated veno-occlusive disease (VOD): An analysis of adverse drug reaction (ADR) reports in the clinical trials, clinical practice, and in the medical literature. American Society of Clinical Oncology Annual Meeting, New Orleans, LA, June 5-8, 2004.

## **Hobbies and Interests**

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Cycling, tennis, reading, and travel