**JRSI Foundation—Graduate Theses**

1. **Adams A\*.**A Comparative Evaluation of Cadaveric and Composite Femur Models for Total Hip Arthroplasty. Thesis. 2015.
2. **Sutterer B\*.**An Investigation of the Relationship Between Plantar Weight Distribution and the Condition of Osteoarthritic Knees During Quiet Standing. Thesis. 2014. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C__Rb3589339__Sbrian%20sutterer__Orightresult__U__X2?lang=eng&suite=gold)
3. **Che AW\*.**Mechanical Validation using Finite Element Analysis to Study Proximal Strains of Cadaveric Tibias Implanted with a Unicompartmental Knee Implant. Thesis. 2013.
4. **Gergely RC\*.** Towards the Optimization of the Preparation Procedures of PMMA Bone Cement. Thesis. 2010. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C%7CRb2551007%7CSryan+gergely%7COrightresult%7CX2?lang=eng&suite=pearl)
5. **Tokunaga S\*.** Finite Element Analysis of Intact and Implanted Composite Tibia: Validation of Intact Tibia, Comparison with Photoelastic Studies, and Parametric Studies of Femoral Loading Conditions on Strains of the Proximal Tibia. Thesis. 2010. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C%7CRb2550962%7CSSusumu+TokunagA%7COrightresult%7CX4?lang=eng&suite=pearl)
6. **Small SR\*.** A Photoelastic Study of the Effects of Resection Depth on Strain in the Proximal Tibia Following Total Knee Arthroplasty. Thesis. 2007. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C%7CRb2367588%7CSScott+Small%7CP0%2C3%7COrightresult%7CX2?lang=eng&suite=pearl)
7. **Dierking WK\*.** A Photoelastic Strain of the Proximal Tibia in Total Knee Arthroplasty; Effects of Polyethylene Insert Thickness and Medio-Lateral Load Distribution. Thesis. 2007. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C%7CRb2368305%7CSw+kurt+dierking%7COrightresult%7CX4?lang=eng&suite=pearl)
8. **Meyer CI\*.** Initial Mechanical Stability of Trabecular Metal versus Porous-Coated Titanium Acetabular Components: A Biomechanical Study. Thesis. 2006. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C%7CRb2343648%7CSChristopher+Meyer%7CP0%2C5%7COrightresult%7CX2?lang=eng&suite=pearl)
9. **Crisman AV\*.** Monitoring the Insertion of the Femoral Stem Component During Total Hip Arthroplasty: A Replicate Composite Femur and Cadaveric Study. Thesis. 2006. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C%7CRb2351071%7CSandrew+crisman%7COrightresult%7CX4?lang=eng&suite=pearl)
10. **Merk JC\*.** A Photoelastic Study of Strains in the Proximal Tibia Following Total Knee Arthroplasty. Thesis. 2005. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C%7CRb2315091%7CSJames+Merk%7COrightresult%7CX2?lang=eng&suite=pearl)
11. **Giardini SK\*.** The Exploration of Damage Identification Techniques to Determine Placement of Femoral Component During Total Hip Arthroplasty. Thesis. 2005. [Logan Library](http://fusion.indstate.edu/iii/encore/record/C%7CRb2315088%7CSgiardini%7CP0%2C1%7COrightresult%7CX4?lang=eng&suite=pearl)

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