

Geisinger Orthopaedic Studies

updated Feb. 1, 2018

Status	Study Title	Principal Investigator	Category
Active	Evaluation of Ankle Fracture Results using a Novel Fracture Fixation Method:	Cush, Gerard, MD	Foot/Ankle
Active	The Effect of Psychological Factors on Pain Perception in the Foot and Ankle Patient	Cush, Gerard, MD	Foot/Ankle
Active	Suture-Button Fixation Compared with Screw Fixation of Isolated Lisfranc Ligament	Cush, Gerard, MD	Foot/Ankle
Active	The Plantar vs. Dorsal Approach in Lesser Metatarsal Head Resection for Rheumatoid	Cush, Gerard, MD	Foot/Ankle
Completed	Intraosseous Suture Button fixation as a treatment method for fixation of Lisfranc	Cush, Gerard, MD	Foot/Ankle
Completed	Acute Tibiotalocalcaneal arthrodesis with retrograde intramedullary nail for treatment of segmental tibial and talus fractures in the setting of a degloving wound.	Cush, Gerard, MD	Foot/Ankle
Completed	Calcaneal Fixation: Extensile versus Sinus Tarsi Mini-incision Approach - Early	Cush, Gerard, MD	Foot/Ankle
Active	Triathlon Tritanium Knee Outcomes Study: A prospective, post-market, multi-center study of the outcomes of the Triathlon Tritanium Knee system	Bowen, Thomas R, MD	Hip/Knee
Active	Secur-Fit Advanced Outcomes Study: A prospective, post-market, multi-center evaluation of the clinical outcomes of the Secur-Fit Advanced Hip Stem	Bowen, Thomas R, MD	Hip/Knee
Completed	Outcomes of Revision Total Knee Arthroplasty with Stemless Femoral Components	Bowen, Thomas R, MD	Hip/Knee
Active	Knee Arthroplasty Surgery: A Retrospective Review	Fanelli, Gregory, MD	Hip/Knee
Active	Knee Ligament Reconstruction Surgical Techniques: A Retrospective Review	Fanelli, Gregory, MD	Hip/Knee
Completed	Evaluation of outcomes of Dr. Fanelli's knee ligament reconstruction outcomes	Fanelli, Gregory, MD	Hip/Knee
Active	Knee Arthrodesis with Lateral Locking Compression Plating for Failed Total Knee	Horwitz, Daniel S, MD	Hip/Knee
Active	Remote Patient Monitoring of In-Home Rehabilitation Following Total Knee	Horwitz, Daniel S, MD	Hip/Knee
Completed	The Parapatellar Approach to Intramedullary Tibial Nailing: Is there a difference in anterior knee pain when compared to a traditional flexed approach?	Horwitz, Daniel S, MD	Hip/Knee
Completed	Efficacy and Safety of Postoperative Blood Salvage in Patients Undergoing Bilateral	Parenti, John, MD	Hip/Knee
Completed	Survival of Centralign Femoral Prosthesis in Primary Hybrid Total Hip Arthroplasty	Parenti, John, MD	Hip/Knee
Active	Redefining the Mechanical Alignment "Safe Zone" in Total Knee Arthroplasty.	Suk, Michael, MD	Hip/Knee
Active	Gender Differences in Periprosthetic Joint Infection Rates	Suk, Michael, MD	Hip/Knee
Active	Evaluating Perioperative Management of Blood Thinners and Antiplatelet Medication When Undergoing Total Joint Replacement Surgery	Suk, Michael, MD	Hip/Knee
Active	Diagnosing Persistent Infection in Hip and Knee Spacers	Suk, Michael, MD	Hip/Knee
Active	The Impact of Bariatric Surgery on Total Joint Arthroplasty Outcomes in Patients with	Suk, Michael, MD	Hip/Knee
Active	Incidence of Prosthetic Joint Infection Following Total Hip and Knee Arthroplasty for	Suk, Michael, MD	Hip/Knee
Active	When to Say "No" to Primary Total Joint Arthroplasty Using the ACS Risk Calculator	Suk, Michael, MD	Hip/Knee
Active	An Analysis of Bundled Payment System for Joint Arthroplasty in the Community and	Suk, Michael, MD	Hip/Knee
Active	Evaluating the Efficacy and Economics of DVT Prophylaxis When Undergoing Total	Suk, Michael, MD	Hip/Knee
Active	The Effect of Total Joint Replacement on the Non-operated Lower Extremity Joints: A	Suk, Michael, MD	Hip/Knee
Active	Comparative Effectiveness of Pulmonary Embolism Prevention After Hip and Knee Replacement (PEPPER): Balancing Safety and Effectiveness	Suk, Michael, MD	Hip/Knee
Active	The Effect of Surgical Approach on Total Brake Time in Total Hip Arthroplasty Patients	Widmaier, Jr., James C, M.D.	Hip/Knee
Completed	OP-1 Implant	Widmaier, Jr., James C, M.D.	Hip/Knee
Completed	Total Hip Arthroplasty with Bulk Femoral Head Autograft for Acetabular Reconstruction in Developmental Dysplasia of the Hip, a 20 Year Follow-Up	Harter, G. Dean, M.D.	Hip/Knee

Completed	Open Treatment of Acromioclavicular Joint Disruption	Bowen, Thomas R, MD	Hip/Knee
Completed	Total Joint Replacement in the Obese: The BMI Threshold A Collaborative Research Project between Geisinger Health System and FORCE-TJR	Bowen, Thomas R, MD	Hip/Knee
Completed	ProvenCare Hip: A Provider-Driven Quality Improvement Program for Total Hip	Bowen, Thomas R, MD	Hip/Knee
Completed	Sonication of Antibiotic Spacers	Bowen, Thomas R, MD	Hip/Knee
Active	Determination of Localized Bone Quality: Correlation of Bone-Screw Pullout and Bone Microindentation to Bone Mineral Density Background and Significance	Bowen, Thomas R, MD	Osteoporosis
Completed	The Incidence of Low Bone Mineral Density in the Orthopaedic Trauma Population	Bowen, Thomas R, MD	Osteoporosis
Active	PEDSCOLI - Multicenter, prospective, partially randomized, controlled trial of robotic-guided vs. freehand corrective surgery for pediatric scoliosis	Fernandez, Meagan, MD	Pediatric Spine
Active	Preservation of Thoracic Kyphosis and Coronal Curve Correction as a Function of Rod Stiffness in the Surgical Treatment of Adolescent Idiopathic Scoliosis with the Use of	Hess, W. Fred, M.D.	Pediatric Spine
Completed	Delayed Presentations of a Traumatic Spinal Epidural Hematoma in a Pre-adolescent; A	Hess, W. Fred, M.D.	Pediatric Spine
Completed	Pediatric ATV Injuries: Incidence and Cost in the State of Pennsylvania	Bowen, Thomas R, MD	Pediatrics
Active	Genomics in Pediatric Orthopaedics Revisited	Seeley, Mark, MD	Pediatrics
Active	Determinants of Outcomes after Pediatric Fractures Around the Elbow	Seeley, Mark, MD	Pediatrics
Active	Kinematic Characterization of Patient with Adolescent Idiopathic Scoliosis (AIS)	Seeley, Mark, MD	Pediatrics
Active	A Novel Physical Exam Model for Detection of Hip Dysplasia in the Newborn	Seeley, Mark, MD	Pediatrics
Completed	Dynamic Compression Plating in Skeletally Immature Femur Fractures	Harter, G. Dean, M.D.	Pediatrics
Completed	Vertical Expandable Prosthetic Titanium Rib	Fernandez, Meagan, MD	Pediatrics
Completed	The Effect of OrthoPak II Bone Growth Stimulating Device on Spinal Fusion	Andreychik, David, MD	Spine
Completed	Clinical Comparison of Two Treatment Methods of Thoraco-Lumbar Vertebral Burst	Andreychik, David, MD	Spine
Completed	Spine damage control: A safe and effective treatment modality for unstable spine	Hess, W. Fred, M.D.	Spine
Completed	CSSG Multi-Center Retrospective and Observational Data Registry for Clinical and Radiographic Outcomes of Complex Spine Surgeries	Hess, W. Fred, M.D.	Spine
Active	Survey of Ultrasound-Guided Procedure Technique Practices Among Sports Medicine	McElroy, Matthew T, DO	Sports Medicine
Active	Sports Ultrasound Fellowship Survey	McElroy, Matthew T, DO	Sports Medicine
Completed	Surveying Sports Medicine Fellows on Ultrasound Importance	McElroy, Matthew T, DO	Sports Medicine
Completed	Sideline Preparedness Survey	Ross, David S, MD	Sports Medicine
Completed	Exercise Habits of Primary Care Sports Medicine Physicians in the United States of	Ross, David S, MD	Sports Medicine
Completed	Musculoskeletal Skills	Ross, David S, MD	Sports Medicine
Completed	Exercise Habits of Former Collegiate Athletes	Ross, David S, MD	Sports Medicine
Completed	The Effect of Schedule Congestion on Injury Incidence in the AHL	Ross, David S, MD	Sports Medicine
Active	Articular Cartilage Procedures: A Retrospective Review	Fanelli, Gregory, MD	Sports Medicine
Active	Know What You're Prescribing	Ross, David S, MD	Sports Medicine
Active	Predictors of Malunion for Proximal Humerus Fractures	Bogdan, Yelena, MD	Trauma
Active	Orthopaedics Trauma Registry	Horwitz, Daniel S, MD	Trauma
Active	Nailed diaphyseal fractures of the tibia with and without associated ipsilateral tibia-fibula fractures: Surgical Technique and Outcomes	Horwitz, Daniel S, MD	Trauma
Active	Ankle Fractures with Syndesmotic Injuries: Is implant removal essential?	Horwitz, Daniel S, MD	Trauma
Active	Determinants of Outcomes After Femur Fracture	Horwitz, Daniel S, MD	Trauma
Active	Outcomes and Complications of Acetabular Fractures	Horwitz, Daniel S, MD	Trauma

Active	Outcomes of Lower Extremity Open Fractures in the Geriatric Population	Horwitz, Daniel S, MD	Trauma
Active	Determinants of Outcomes after fracture of the humerus	Horwitz, Daniel S, MD	Trauma
Active	Determinants of Outcomes After Intertrochanteric Femur Fracture	Horwitz, Daniel S, MD	Trauma
Active	Clavicle Fractures: Outcomes and Epidemiology	Horwitz, Daniel S, MD	Trauma
Active	Tibial Plateau Fractures and Outcomes	Horwitz, Daniel S, MD	Trauma
Active	Determinants of Outcomes after Forearm Fractures (Radius/Ulna)	Horwitz, Daniel S, MD	Trauma
Active	The Treatment of the Diabetic Ankle Fracture Patients with Diabetic Comorbidities by	Horwitz, Daniel S, MD	Trauma
Active	Determinants of Outcomes After Femur Fracture	Horwitz, Daniel S, MD	Trauma
Active	Outcomes and Complications of Acetabular Fractures	Horwitz, Daniel S, MD	Trauma
Active	Diaphyseal Fractures the Tibia with and without Associated Ipsilateral Tibia-Fibula Fractures: Surgical Technique and Outcomes	Horwitz, Daniel S, MD	Trauma
Active	Determinants of Outcomes after Fractures of the Distal Tibia/Fibula	Horwitz, Daniel S, MD	Trauma
Active	THE POST-SARMIENTO ERA: IS IT TIME TO RE-THINK EXPECTATIONS OF FUNCTIONAL BRACING FOR HUMERAL SHAFT FRACTURES?	Horwitz, Daniel S, MD	Trauma
Active	Regional and Seasonal Variation in the Incidence of Post-Traumatic Infection After	Horwitz, Daniel S, MD	Trauma
Active	Complications of Femoral Neck Fractures	Horwitz, Daniel S, MD	Trauma
Completed	Total Hip Arthroplasty as Treatment for Post-Traumatic Arthritis of the Hip After	Horwitz, Daniel S, MD	Trauma
Completed	FAITH- Fixation using Alternative Implants for the Treatment of Hip fractures: A Multi-Centre Randomized Trial Comparing Sliding Hip Screws and Cancellous Screws on Revision Surgery Rates and Quality of Life in the Treatment of Femoral Neck Fractures	Horwitz, Daniel S, MD	Trauma
Completed	Ultrasonography versus MRI in the diagnosis of Tibial Stress Fractures	McElroy, Matthew T, DO	Trauma
Completed	Compression Plating of Femur Fractures in Skeletally Immature Patients	Parenti, John, MD	Trauma
Active	The Sequence of Orthopaedic and Vascular Intervention in Traumatic Injuries Requiring Both External Fixation and Revision	Suk, Michael, MD	Trauma
Active	Three-Dimensional Computed-Tomography Reconstruction for the Classification of	Suk, Michael, MD	Trauma
Completed	Major Extremity Trauma Research Consortium (METRC): Outcomes Following Severe Distal Tibia, Ankle, and/or Foot Trauma: Comparison of Limb Salvage vs. Transtibial	Suk, Michael, MD	Trauma
Completed	Major Extremity Trauma Research Consortium (METRC): Streamlining Trauma Research Evaluation with Advanced Measurement: STREAM Study	Suk, Michael, MD	Trauma
Completed	Major Extremity Trauma Research Consortium (METRC): A Prospective Randomized Trial to Assess Fixation Strategies for Severe Open Tibia Fractures: Modern Ring	Suk, Michael, MD	Trauma
Completed	Presence of Deep Infection Following Open Fracture and Its Association with Host	Widmaier, Jr., James C, M.D.	Trauma
Active	Blunt Cerebrovascular Injury in Cervical Trauma Patients	Haak, Michael, MD	Trauma
Completed	The Acute Outcome and Complications of Multiple Injured Patients with Femoral Shaft Fractures Treated with Initial Stabilization by Traction Pin.	Bowen, Thomas R, MD	Trauma
Completed	The Mortality and Morbidity of the Pelvis Fracture Without a Protocol	Bowen, Thomas R, MD	Trauma
Completed	Locked Plates for the Treatment of Periprosthetic Supracondylar Femur Fractures with	Bowen, Thomas R, MD	Trauma
Completed	The Treatment of the Diabetic Ankle Fracture in Patients with Diabetic Comorbidities	Bowen, Thomas R, MD	Trauma
Completed	Use of a Hand Held Device to Measure Bone Screw Pull-out Strength; A Pilot Study	Bowen, Thomas R, MD	Trauma
Completed	Bisphosphonate Exposure and Vitamin D Deficiencies as Risk Factors for Low-energy Diaphyseal Femur Fractures in Mature Patients	Bowen, Thomas R, MD	Trauma
Completed	Treatment of Intertrochanteric Fracture: Long Nail or Short Nail?	Bowen, Thomas R, MD	Trauma

Completed	Regional Anesthesia for Upper and Lower Extremity fracture surgery: Analysis of Safety	Bowen, Thomas R, MD	Trauma
Completed	Is Sonication of Orthopaedic Implants Clinically Relevant? An observational Study	Bowen, Thomas R, MD	Trauma
Completed	Retrospective Review Comparing Autograft vs Allograft in Long Bone Non-unions	Bowen, Thomas R, MD	Trauma
Completed	Internal Fixation vs. Arthroplasty of Undisplaced Femoral Neck Fractures in the Elderly	Bowen, Thomas R, MD	Trauma
Completed	B3D-MC-GHDQ: Second Study of the Effect of Teriparatide on Femoral Neck Fracture	Bowen, Thomas R, MD	Trauma
Completed	Lidocaine Analgesia for Removal of Wound Vacuum Assisted Closure Dressings: A Randomized Double Blinded Controlled Trial	Horwitz, Daniel S, MD	Trauma
Active	Use of a Registry on Infection to Improve Subject Outcomes and Research Efforts	Suk, Michael, MD	Trauma
Active	Epidemiology, Outcomes, and Economic Analysis of Orthopaedic Injuries in the Amish	Suk, Michael, MD	Trauma
Active	Outcomes of dual plating for the humerus shaft nonunion	Suk, Michael, MD	Trauma
Completed	Outcome of IIIB Open Tibia Fractures Treated with Wound VACs and Delayed Flap	Bowen, Thomas R, MD	Trauma
Completed	Suture-Button Fixation Compared with Screw Fixation of Isolated Lisfranc Ligament	Cush, Gerard, MD	Upper Extremity
Completed	Clinical outcomes of medial malleolar fracture fixation utilizing TriMed Sled Device	Cush, Gerard, MD	Upper Extremity
Completed	Outcomes of Metatarsal Osteotomies: Weil vs. Hehal Osteotomy	Cush, Gerard, MD	Upper Extremity
Completed	Space Available for Cuff: A New Radiographic Measurement of Functional Subacromial Space Independent of Humeral Head Position. Is There a Correlation With Subacromial	Feltham, Glen, MD	Upper Extremity
Active	Use of Small Bone Innovations/Avanta SR Proximal Interphalangeal (PIP) Joint	Klena, Joel, MD	Upper Extremity
Active	Use of Small Bone Innovations/Avanta SR Metacarpophalangeal (MCP) Joint	Klena, Joel, MD	Upper Extremity
Active	Clinical outcomes of Locked Circular Plate Fixation in Four Corner Arthrodesis	Klena, Joel, MD	Upper Extremity
Active	Flexor Tendon Irritation with Volar Locked Plating	Klena, Joel, MD	Upper Extremity
Active	Flexor Tendon Complications with the Use of Volar Distal Radius Plates	Klena, Joel, MD	Upper Extremity
Active	Outcomes After Comminuted Fracture of the Distal Radius	Klena, Joel, MD	Upper Extremity
Active	Repair of Ulnar Collateral Ligament Injuries to the Thumb	Klena, Joel, MD	Upper Extremity
Active	Unscheduled Return of the Patient to Office/Emergency Department Following	Klena, Joel, MD	Upper Extremity
Active	Hand related Methicillin Resistant Staphylococcus Aureus infection and its sensitivity pattern among the population in a rural setting	Klena, Joel, MD	Upper Extremity
Active	Correlation Between Pre-operative Ultrasound and Intraoperative Findings for Ulnar Nerve Subluxation and the Impact on Management	Klena, Joel, MD	Upper Extremity
Active	Injection of Collagenase Clostridium Histolyticum for Dupuytren's Contracture in Doses	Klena, Joel, MD	Upper Extremity
Active	Scaphotrapezotrapezoid Arthritis: Radiographic Prevalence and Clinical Correlation	Klena, Joel, MD	Upper Extremity
Active	Prospective Cohort Evaluation of Neurocap In the Treatment of Symptomatic Neuroma	Klena, Joel, MD	Upper Extremity
Active	Determinants of Outcomes after Distal Radius/Ulna Fractures	Klena, Joel, MD	Upper Extremity
Active	Season Variations of Elective Hand Surgery	Klena, Joel, MD	Upper Extremity
Completed	Ascension PIP Finger Implant (HDE #H010005)	Klena, Joel, MD	Upper Extremity
Completed	Scapholunate pathology with gout of the wrist	Klena, Joel, MD	Upper Extremity
Completed	Closed reduction and treatment of volar thumb metacarpal-phalangeal dislocations	Klena, Joel, MD	Upper Extremity
Completed	The Effect of a System-Based, Integrated Curriculum on Resident Performance on the Orthopaedic In-Training Examination	Klena, Joel, MD	Upper Extremity
Completed	Predicting the Outcome of Revision Carpal Tunnel Release	Klena, Joel, MD	Upper Extremity
Completed	Anomalous Muscle Causing Guyon Canal Compression	Klena, Joel, MD	Upper Extremity
Completed	Incidence of stenosing tenosynovitis after surgical release of the carpal tunnel	Klena, Joel, MD	Upper Extremity
Completed	EPL rupture after flexible nailing of pediatric forearm fractures	Klena, Joel, MD	Upper Extremity

Active	The Ability of Upper Extremity Surgeons to Determine Patient's Coping Abilities	Grandizio, L. Christopher, DO	Upper Extremity
Active	Comparison of Transverse versus Longitudinal Incisions for Trigger Digit Release	Grandizio, L. Christopher, DO	Upper Extremity
Active	Comparison of Transverse versus Longitudinal Incisions for First Dorsal Compartment Release for De Quervain Tendinopathy	Grandizio, L. Christopher, DO	Upper Extremity
Active	Non-opioid Postoperative Analgesia after Carpal Tunnel Release: A randomized	Grandizio, L. Christopher, DO	Upper Extremity
Completed	Reverse Total Shoulder Arthroplasty in Morbidly Obese Patients	Harter, G. Dean, M.D.	Upper Extremity
Active	Administration of Botulinum Toxin-A for Ischemic Pain Secondary to Vasospasm	Goldberg, Steven H, MD	Upper Extremity
Completed	Blastomycotic Osteomyelitis Presenting as a Lytic Lesion of the Radial Head	Harter, G. Dean, M.D.	Upper Extremity
Completed	Regenerex™ Tibial Tray Multi-Center Data Collection	Harter, G. Dean, M.D.	Upper Extremity
Completed	ECTR- Early surgeon experience	Klena, Joel, MD	Upper Extremity