

CASE STUDY FORMAT POSTERS

Arthroscopy

Immediate Weightbearing Following Arthroscopic Repair of Medial and Lateral Ankle Ligaments Repair: A Case Series. (CS-833)

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An Arthroscopic Guided Trans-Tibial Technique to Treat Challenging Osteochondral Lesions of the Talus with a Threaded Titanium Implant: A Cadaveric Study and Review. (CS-932)

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Novel Chevron Medial Malleolar Osteotomy Takedown for Treatment of Osteochondral Defects (CS-939)

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Ankle Arthroscopy Prompts Hemophilia Diagnosis in Previously Undiagnosed Active Adult Male, Allowing for Successful Surgical Deformity Correction. (CS-995)

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Financial Disclosures: The poster authors have indicated they have no financial relationships to disclose.

Arthroscopic Ankle Arthrodesis for Post-Traumatic Arthritis in High-Risk Diabetic Patient on Anticoagulation. (CS-1082)

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Biomechanics and Anatomy

First Ray Pathologies Associated with Second Metatarsophalangeal Joint Plantar Plate Tears. (CS-869)

Katherine Dux, DPM, FACFAS

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Surgical Management of a Unique Variation of the Peroneal Tendons. (CS-1088)

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Chronic Syndesmotic Instability Associated with a Complex Lesion of the PITFL: A Case Report and Novel Surgical Technique. (CS-1127)

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Diabetic Foot

Peroneus Longus Tenotomy and Tenodesis to Peroneus Brevis in Treatment of Chronic Plantar 1st Metatarsal Head Diabetic Ulcers in Patients with Pes Cavus Foot Type. A Case Series. (CS-794)

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Residual Limb Survivorship in Ambulatory Midfoot Amputees with Calcaneal Osteomyelitis Following Subsequent Partial Calcanectomy: A Case Series Describing Bidirectional Limb Salvage. (CS-873)

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Percutaneous Deep Venous Arterialization as a Revascularization Option for Limb Salvage: A Case Report. (CS-901)

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Percutaneous Medial Band Plantar Fasciotomy for treatment of Chronic Plantar Hallux Ulcers. (CS-903)

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First MTPJ Truss Implant in a High-Risk Diabetic Male with 12 Month Follow Up. (CS-1096)

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Bicortical Bone Trephining in Chronic Non-Healing Diabetic Foot Wounds. (CS-1148)

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Modified Masquelet Technique for Management of First Metatarsal Head Osteomyelitis. (CS-1160)

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The Modified Boyd Fusion: An Uncommon Limb Salvage Procedure. (CS-1246)

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Tibialis Anterior Tendon Excision Augmented with Placental Allograft for Wound Closure in Diabetic Ulcerations. (CS-1249)

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Epidemiology/Population Study

Fibular Stress Fractures: Six Year Review. (CS-764)

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Financial Disclosures: The poster author has indicated they have no financial relationships to disclose.

1st MPJ Conditions: Six-Year Review. (CS-769)

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Negative Impact of Ehlers-Danlos Syndrome on Bone Healing: A Case Series. (CS-1203)

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Forefoot Reconstruction

Lesser Metatarsophalangeal Joint Implant Arthroplasty: A Case Series Highlighting Treatment of Degenerative Joint Disease in the Lesser Metatarsophalangeal Joints. (CS-723)

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The Digital External Fixator: A Novel and Inexpensive Technique for Rapid Stabilization in the Setting of Comminuted, Open, Digital Fractures. (CS-799)

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When First Metatarsophalangeal Joint Implants Fail: Role of Bone Dowel Allograft in Revisional Surgery. (CS-811)

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First Metatarsophalangeal Joint Fusion Revision Using Custom Formed Femoral Head Bone Graft and Non-Metallic Fixation: A Novel Surgical Technique. (CS-825)

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Pinch Graft Application in the setting of Digital Neoplasm Resection. (CS-876)

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Using Minimally Invasive Technique for a Forefoot Reconstruction on a Rheumatoid Arthritis Patient. (CS-925)

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Minimally Invasive Surgical Correction of a Hallux Valgus Deformity in a Pediatric Patient with Cerebral Palsy: A Novel Indication. (CS-931)

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Case Study: Symptomatic Os Vesalianum in College Track Athlete Treated with Excision and Advancement of Peroneus Brevis Tendon (CS-955)

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Use of 2cm Cadaveric Bone Spacer for Treatment of Septic Nonunion at the MPJ with Concomitant Arthrodesis in a Debilitated Patient. (CS-992)

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Latrogenic Brachydactyly due to Osteomyelitis and a Novel Staged Salvage Procedure: A Rare Case Report. (CS-1021)

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Minimally Invasive Hallucal Interphalangeal Joint Arthrodesis: A Case Study. (CS-1031)

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Minimally Invasive Proximal Interphalangeal Joint Arthrodesis: A Case Study. (CS-1032)

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A Rare Presentation of Bilateral Pediatric Hallux Abducto Valgus Deformity Secondary to Longitudinal Epiphyseal Bracket: A Case Study. (CS-1092)

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Modifications to the Stainsby Procedure for the Treatment of Chronic Lesser MTPJ Dislocation. (CS-1105)

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First Tarsometatarsal Joint Arthrodesis Revision: A Novel "Donut Graft Technique". (CS-1119)

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A Novel Surgical Approach in Treating Moderate to Severe Hallux Rigidus with Combined Cheilectomy, Lapidus Arthrodesis, and Intra-articular Dehydrated Human Umbilical Cord Allograft. (CS-1135)

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Third Tarsometatarsal Coalition: A Unique Case Presentation. (CS-1138)

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Correlation of Distance of Intermetatarsal Screw from TMTJ2 in Lapidus Procedures and Complication Rates. (CS-1189)

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Oblique Proximal Phalanx Osteotomy: Superior Stability and Long-Term Results Compared to an Akin. (CS-1211)

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Dual Plate Fixation: Highly Stable Construct Allows Early Weight Bearing in First Metatarsophalangeal Arthrodesis. (CS-1219)

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Minimally Invasive Approach for Correction of a Recurrent Bunion: A Retrospective Case Series. (CS-1229)

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Novel Technique and Fixation for First Tarsometatarsal Joint Arthrodesis Without Planar Wedge Resection. (CS-1238)

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Neurological/Peripheral Nerve Disorders

Digital Contractures Following Blunt Force Injury Treated with Tarsal Tunnel Decompression - A case Report. (CS-790)

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Nerve Decompression of the Common Peroneal Nerve and Superficial Peroneal Nerve After Ankle Injury: A Case Study. (CS-822)

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Ultrasound Guided Perineural Cobalamin Injection for Common Peroneal Nerve Palsy Induced Foot Drop: A Case Series. (CS-848)

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External and Internal Neurolysis with Sural Nerve Graft Transfer for Drop Foot Secondary to Traumatic Benign Cystic Common Peroneal Nerve Tumor. (CS-856)

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The Fatal Ankle Sprain. How a Common Lower Extremity Injury Led to Diagnosis of ALS. (CS-948)

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Surgical Intervention for Equinovarus Deformity due to Compartment Syndrome Following Revascularization for Acute Limb Ischemia. (CS-980)

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Case Report: Proximal Tibial Neuropathy Secondary to Traumatic Rupture of the Flexor Digitorum Longus. (CS-1118)

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Use of a Temporary Indwelling Nerve Catheter for Delivery of Local Anesthesia in the Treatment of Peripheral Nerve Pain: A Retrospective Case Series. (CS-1125)

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Orthotics/Prosthetics/Pedorthics

Use of a Novel Custom Ankle Foot Orthosis in Place of External Fixation for Offloading of Diabetic Foot Ulcerations. (CS-1242)

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Rearfoot and Ankle Reconstruction

Total Ankle Replacement for Treatment of Complex Congenital Fibular Hemimelia. (CS-692)

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A Novel Technique for Limb Salvage of AVN to the Ankle and Rearfoot Complex: A Case Report. (CS-785)

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"Four-Corner-Fusion" Triple Arthrodesis Joint Preparation Technique for the Management of Rigid Rearfoot Deformities. (CS-805)

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Outcomes of Tibiotalocalcaneal Fusion Following Partial Talectomy in the Charcot Foot. (CS-834)

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Orthoplastic Bone & Soft Tissue Reconstruction of The Extruded Talus with Distally Based Chimeric Peroneus Brevis Myo-Osseous & EBD Flaps. (CS-843)

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Transfibular Trabecular Metal Total Ankle Arthroplasty Survivorship: short- to midterm clinical and radiological outcomes. (CS-846)

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Periarticular Open Wedge Midcalcaneal Osteotomy for Severe Valgus Deformity and Associated Tarsal Coalitions. (CS-854)

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Fibuloplasty: Distal Fibular Reconstruction Performed in Conjunction with Ankle Fusion Conversion to Implant Arthroplasty. (CS-864)

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Total Ankle Arthroplasty with Total Talus Replacement: A Case Report of Clinical and Radiographic Outcomes. (CS-883)

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Evaluation of an Intraoperative Technique for Surgical Correction of Metatarsus Adductus. (CS-908)

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The Anterior Ankle Angiosome Approach. (CS-909)

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Complicated Varus Deformity Limb Salvage using Computer-Assisted Circular External Fixator in Elderly Patient with Multiple Comorbidities. (CS-915)

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Medial Column Soft Tissue Imbrication with Internal Brace Augmentation following Lateral Column Lengthening in the Pediatric Population: A Novel Indication. (CS-927)

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Financial Disclosures: The poster authors have indicated they have no financial relationships to disclose.

A Novel Technique for Treating Osteochondral Lesions of the Talus with a Threaded Titanium Implant: A Case Study. (CS-930)

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Case Report: 3D Printed Total Talar Implant for Avascular Necrosis of the Talus. (CS-937)

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Gradual Correction of Bilateral Equinus Contracture of the Ankle Using a Computer Assisted Multiplanar Circular External Fixator After Acute Achilles Lengthening and Posterior Capsulotomy in a Pediatric Patient. (CS-940)

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Management of Failed Osteochondral Lesions of the Talus Using Patient-Specific Instrumentation Guided Total Ankle Replacement: A Report of 2 Cases. (CS-945)

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Revisional Tibiotalocalcaneal Arthrodesis with Intramedullary Fibular Inlay Strut Graft for Hardware Failure: A Case Report. (CS-946)

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Charcot Neuroarthropathy Reconstruction as an Alternative to Limb Amputation: A Retrospective Review of 45 Patients. (CS-947)

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3D-Printed Total-Ankle Total-Talus Replacement Combined with Subtalar Fusion for Severe Hindfoot Osteoarthritis. (CS-950)

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Taylor Spatial Frame for Solo Treatment in Bilateral Equinus Deformities. (CS-953)

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Cobalt Allergy in Total Ankle Implant: Treatment Options. (CS-956)

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Use of Femoral Head Allograft in Tibio-Talo-Calcaneal Arthrodesis for Ankle Charcot Neuroarthropathy: A Case Report with 10 Year Follow-up. (CS-957)

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Realignment of the Rearfoot Using an Interpositional Wedge During STJ fusion. (CS-965)

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Surgical Management of Muller Weiss Syndrome: A Case Series. (CS-967)

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The Cole Osteotomy: Maximizing Sagittal Plane Cavus Correction. (CS-974)

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Acellular Fish Skin Graft as an Adjunct Treatment to Tendon Reconstruction in Foot and Ankle Surgery. (CS-981)

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A Retrospective Comparison Review of Subtalar Joint Arthrodesis Constructs. (CS-985)

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Use of Ultrasonically Interdigitated Bioresorbable Suture Anchors in Double-Row Configuration in Haglund's Deformity Correction. (CS-987)

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One-Stage Salvage Procedure After an Early Failed Total Ankle Replacement: Use of a Metal Implant, Intramedullary Nail, and Multiplanar External Fixator. (CS-993)

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Surgical Management of Progressive Post-Infectious Lyme Arthritis in the Lower Extremity: A Case Report. (CS-1000)

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Proposed Algorithm for Tibiotalocalcaneal Arthrodesis in The Presence of Infection: A Case Series. (CS-1006)

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Use of a Metal Implant, Intramedullary Nail, and Multiplanar External Fixator in Ankle and Subtalar Arthrodesis: A Case Report of Advance Arthritis and Charcot Arthropathy of the Ankle Joint. (CS-1016)

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Not Your Typical Ex-Fix: A Novel Approach to Cavus Foot Reconstruction Utilizing a Unique Midfoot Osteotomy and External Fixation with Gradual Distraction and Multiplanar Correction. (CS-1019)

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Reconstructive Midfoot Beaming for Charcot Neuroarthropathy Resulting in Avascular Necrosis of the Talus. (CS-1027)

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Short to Mid-Term Outcomes After a Percutaneous Repair of Tibialis Anterior Tendon Rupture. (CS-1047)

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A Case Report: Two- Component Implant: Custom printed total talus and calcaneal spacer. (CS-1060)

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Time to Fusion Following Hindfoot Arthrodesis with Retrograde Intramedullary Nail and External Ring Fixation. (CS-1067)

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Calcaneonavicular Coalition Resection with Concomitant Pes Planovalgus Reconstruction: An Option to Avoiding Arthrodesis. (CS-1080)

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A Novel Technique for Revision Total Ankle Arthroplasty via Posterior Approach. (CS-1084)

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Triple Arthrodesis with a Lateral Base Closing Wedge Osteotomy for Correction of Residual Hindfoot Varus. (CS-1087)

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Case Study: Painful Nonunion of an Ankle Arthrodesis Converted to Total Ankle Arthroplasty. (CS-1108)

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Total Ankle Replacement (TAR) for Management of Painful Ankle Osteoarthritis with Severely Cystic Talus. (CS-1131)

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Treatment of Bilateral Vertical Talus on a 7-year-old Pediatric Patient. (CS-1132)

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Combined Acute and Gradual Correction of Talipes Equinovarus, Distal Tibia Valgus and External Tibial Torsion deformity. (CS-1142)

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Management of Burn Contractures and Acquired Osseous Deformities: An Orthoplastic Approach. (CS-1145)

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Use Of 3-D Printed Total Talus Implant in A Challenging Case of Avascular Necrosis of the Talus and Post Traumatic Ankle Arthritis. (CS-1146)

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Functional Outcome of Acquired Foot Drop Treated with Tibialis Anterior Tendon Transfer and Gastrocnemius Recession: A Case Series and Surgical Technique. (CS-1155)

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3D Printed Total Talus Implant for Limb Salvage Following Talar Avascular Necrosis in a Non-Compliant Diabetic Patient: A Case Report. (CS-1159)

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Rare Case of an Atraumatic Osteochondral Defect of the Navicular. (CS-1161)

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Transfibular Tibiotalocalcaneal Arthrodesis with Intramedullary Nailing and Bulk Femoral Head Allograft: A Case Series. (CS-1170)

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Single Stage Total Ankle Arthroplasty with Patient Specific Instrumentation (PSI) Enabled Supramalleolar Osteotomy. (CS-1172)

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Outcome of Calcium Phosphate Injection and Particulate Juvenile Cartilage Implantation for the Treatment of Bone Marrow Lesions of the Talus with Adjunct Modified Brostrum-Gould Procedure. (CS-1176)

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A Case Series Assessing Outcomes Utilizing a Novel Suture Retention Device. (CS-1196)

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Three-Dimensional Printing: Applications in Foot and Ankle Trauma and Reconstruction: A Case Series of Five Patients. (CS-1214)

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A Case Series Evaluating Outcomes of Flat Foot Reconstruction with Lateral Ankle Stabilization. (CS-1225)

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Retrospective Case Review: Use of Iliac Crest Grafts in Medial Column Revision Surgery. (CS-1230)

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Treatment of Chronic Achilles Tendon Rupture using Tongue-in-Groove Reconstruction Technique. (CS-1233)

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Soft Tissue/Tumor

Kaposi Sarcoma Misdiagnosed as a Pyogenic Granuloma of the Foot in a HIV Negative Patient: A Case Report. (CS-682)

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A Rare Case of Fibrosarcomatous-Dermatofibrosarcoma Protuberans in the Lower Extremity. (CS-689)

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A Case of Gabapentin-Induced Compartment Syndrome of the Lower Extremity. (CS-710)

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Tendon Transfer via Self-made Nonproprietary External Button: Technique and Case Study. (CS-740)

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Bilateral Isolated Medial Acute Exertional Compartment Syndrome of the foot. (CS-810)

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A Novel Case Study of a Primary Malignant Epitheliod Hemangioendothelioma. (CS-835)

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PVNS of Anterior Tibial Tendon Sheath Leading to Split Tear. (CS-851)

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Squamous cell carcinoma in long standing venous ulceration. (CS-868)

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Flexor Hallucis Longus Tendon Transfer for Irreparable Peroneal Tendinopathy: A Case Study, (CS-870)

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A Rare Case of a Cutaneous Ciliated Cyst of Mullerian Origin Found in the Lower Extremity: A Case Report. (CS-889)

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Unique Case Presentation of an Insidious Masson's Tumor in the Foot, (CS-893)

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Slow Growing Tumor of the Ankle: Two Atypical Cases of Nodular Basal Cell Carcinoma in the Lower Extremity. (CS-895)

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Morel-Lavallee Lesion After a Gastrocnemius Recession: A Case Report. (CS-917)

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Myoepithelioma-like Hyalinizing Epithelioid Tumor of the Foot with OGT-FOX03 Fusion Gene: Clinical Presentation and Surgical Outcome. (CS-970)

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Guy Got Got by Gout! Case Study of Ruptured Achilles Tendon. (CS-973)

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Sweet Syndrome Initial Presentation in the Foot and Ankle in an 18-year-old Female. (CS-982)

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A Rare Case of Intraosseous Lipoma Formation Following Calcaneal Autograft. (CS-1004)

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Superficial Acral Fibromyxoma of Multiple Digits. (CS-1007)

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Pathologic Fracture Nonunion and an Aneurysmal Bone Cyst and Treated with Autogenous Fibular Graft. (CS-1011)

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Primary Clear Cell Sarcoma of the Plantar Foot in a 33-year-old Female: A Rare Case Report. (CS-1020)

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Pseudocarcinomatous Squamous Hyperplasia Case Study. (CS-1022)

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A Rare Case of an Exophiala Bergeri Subcutaneous Infection. (CS-1023)

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Exercise Induced Tarsal Tunnel Syndrome Secondary to an Accessory Muscle in a Pediatric Patient: Case Report and Literature Review. (CS-1029)

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A Multi-Specialty Approach for Surgical Treatment of Pleomorphic Hyalinizing Angiectatic Tumor (PHAT) of the Foot and Ankle. (CS-1044)

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Synovial Osteochondromatosis of the Lesser Metatarsal: A Case Report and Literature Review. (CS-1046)

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A Rare Case of Fibrolipoma Disguised as Postaxial Polydactyly. (CS-1066)

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Bilateral Pedal Metastases of Gynecological Squamous Cell Carcinoma: A Rare Case Report. (CS-1069)

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Diffuse Pigmented Villonodular Synovitis (PVNS) of the Subtalar Joint with Extra Articular Extension around the Peroneal Tendons: A Case Report. (CS-1072)

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Nicolau Syndrome, Embolia Cutis Medicamentosa, an Iatrogenic Consequence of Intramuscular Injections: A Case Report. (CS-1093)

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Implementation of Tibialis Anterior Tendon Lengthening in the Presence of Metatarsalgia and Plantar Lateral Forefoot Overload - A Case Report. (CS-1116)

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The Novel Use of SPY for the Diagnosis of Vasospastic Disease. (CS-1133)

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Atypical Case of Digital Papillary Adenocarcinoma in the Foot. (CS-1134)

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Adenocarcinoma of the Lung with Metastasis to the Foot. (CS-1152)

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Undifferentiated Pleomorphic Sarcoma of the Forefoot. (CS-1174)

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Reduction of Number and Size of Forefoot Plantar Nodules Utilizing Tenex Procedure. (CS-1178)

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Rare Presentation of Primary B-Cell Lymphoma of the First Metatarsal: A Case Report. (CS-1198)

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High-Grade Uterine Carcinosarcoma Primarily Diagnosed with Biopsy of Plantar Foot Ulceration. (CS-1199)

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The Efficacy of Processed Porcine Submucosa Allograft Nerve Wrap Utilized in Neurolysis Procedures for Traumatic Nerve Injury: A Retrospective Case Study. (CS-1209)

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Posterior Ankle Impingement Due to Hypertrophic, Low-Lying Flexor Hallucis Longus Muscle: A Literature Review and Case Report. (CS-1226)

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Clear Cell Sarcoma of the Peroneus Brevis Tendon: A Case Report. (CS-1235)

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Trauma

Multidisciplinary Treatment for Type 1 Complex Regional Pain Syndrome Fixed Dystonia Induced Rigid Adductovarus Rearfoot: A Surgical Case Study. (CS-714)

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Transarticular Delta Screw Configuration for Primarily Ligamentous Lisfranc Injuries. (CS-730)

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Bone Bruises of the Ankle: Six Year Review. (CS-763)

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Talar Stress Fractures. (CS-767)

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Navicular Stress Fractures. (CS-800)

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Management of Ankle Mortise Stability Following Acute Ankle Fractures without Repair of the Deltoid Ligament: A Case Series. (CS-814)

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Use of Medial Femoral Condyle Free Flap for Traumatic Devascularization of the Talus. (CS-841)

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Revision of Extensor Hallucis Longus Re-rupture Using Allograft and Polyurethane Urea Scaffold: A Case Report. (CS-860)

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Importance of Staged Management for a High-Energy Ankle Pilon Fracture for a Favorable Outcome: A Case Report. (CS-942)

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Dual Plating of Comminuted Pilon Fractures. (CS-943)

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Atypical Case of Pediatric Compartment Syndrome After Gunshot Wound. (CS-952)

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High Energy Ballistic Midfoot Fracture Management and Surgical Outcomes. (CS-999)

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Acute Lateral Ligament, Peroneal Retinaculum Repair, and Abductor Digiti Minimi Flap for Large Soft Tissue Defect Following Motorcycle Accident. (CS-1010)

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Functional Reconstruction of Volkmann's Contractures After Compartment Syndrome of the Foot and Ankle. (CS-1017)

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A Novel Technique to Recreate the AITFL and PIFTL for an Isolated Syndesmosis Injury an Elite Athlete. (CS-1034)

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Outcomes of Subchondroplasty Procedure for Lesser Metatarsal Stress Fractures: A Case Series and Literature Review. (CS-1048)

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Atraumatic Acute Medial Compartment Syndrome of the Foot - A Case Report. (CS-1059)

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Talar Neck Fracture with Medial Bone Void Treated with Cervical Spine Allograft. (CS-1078)

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Risk of Saphenous Neuritis with the All-Inside Syndesmosis Suture Button Repair. (CS-1100)

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Immediate Weightbearing after Ankle Open Reduction Internal Fixation. (CS-1102)

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Use of Custom Tibial Replacement Tower Following Non-Union of Chronic Tibial Fracture with Failed Bone Graft. A Case Report. (CS-1123)

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Fixed Equinus Deformity as a Sequela of Traumatic Degloving Injury Corrected Through Circular External Fixator Application. (CS-1130)

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A Rare Venomous Rattlesnake Bite to the Ankle with Thrombocytopenia in the Midwest. (CS-1158)

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First Metatarsal Base Fracture: An Uncommon Avulsion at the Peroneus Longus Insertion. (CS-1163)

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Acute Rupture of Peroneus Longus Tendon Complicated by Osteomyelitis: A Case Report. (CS-1193)

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Successful Reconstruction of a Gustilo Anderson Type 3C First Metatarsal Fracture with the Use of a Fibular Cortical Strut Graft. (CS-1195)

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Indirect Deltoid Ligament Stabilization with a Suture Button in Neuropathic and Fragility Ankle Fractures: A Case Series. (CS-1197)

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Interfragmentary Fixation with Intramedullary Nail for Fibular Fractures. (CS-1212)

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Catastrophic Bone Loss due to Gun Shot Treated by Reamed Irrigator Aspirate and Femoral Head Allograft. (CS-1231)

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Wound Care/Infectious Diseases

Case Series: Management of Acute Calcaneal Osteomyelitis in a Diabetic Patients Utilizing Single Stage Eggshell-like Debridement. (CS-681)

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A Rare Case of Septic Arthritis Affecting the Midfoot. (CS-690)

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Vasopressor-Induced Ischemia of Bilateral Feet in a Previously Healthy 34-Year-Old Female. (CS-701)

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Ankle Arthrodesis with External Fixation for Septic Ankle Joint Secondary to Tuberculosis. (CS-727)

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Salvage of Below Knee Amputation with Filet of Foot Flap and Concurrent Targeted Muscle Reinnervation Following Necrotizing Fasciitis Infection - A Case Report. (CS-787)

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Septic Arthritis of the Ankle Joint from Tuberculosis: A Case Report. (CS-828)

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Titanium Allergy Following Charcot Reconstruction: A Case Report. (CS-837)

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Utility of Synthetic Hybrid-Scale Fiber Matrix for Treatment of Pyoderma Gangrenosum: A Case Report. (CS-838)

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Incidence of Lower Extremity Wound Complication Requiring Surgical Intervention During Hyperbaric Oxygen Therapy. (CS-861)

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Partial Hallux Amputation as a Complication of Partial Nail Avulsion in a Patient with Eosinophilic Granulomatosis with Polyangiitis: A Case Report. (CS-865)

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Case Study: Non-Uremic Calciphylaxis Wounds Treated with Sodium Thiosulfate Infusions and Local Wound Care. (CS-878)

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The Use of Acellular Fish Skin Graft in the Treatment of a Chronic Nonhealing Diabetic Wound. (CS-944)

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Acellular Fish-skin Graft for Healing of a Second Ray Amputation Site. (CS-964)

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Hydroxyurea Induced Dry Gangrene in a Patient with History of Chronic Myelogenous Leukemia, A Unique Case Report. (CS-1025)

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Transmetatarsal Amputation Secondary to Vaccine-Induced Immune Thrombotic Thrombocytopenia After Oxford AstraZeneca Vaccination for SARS-CoV-2. (CS-1054)

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Actinomycetoma of the Foot and Its Sequela: A Case Report. (CS-1098)

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Distally Based Peroneus Brevis Muscle Flaps for Lower Extremity Defects: A Case Series. (CS-1129)

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Exophiala Jeanselmei: Management of a Rare Fungal Infection in the Lower Extremity. (CS-1137)

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Mistaken Identity: Hyalohyphomycosis in a Chronic Leg Wound. (CS-1191)

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High Oxygen Affinity Hemoglobin Erythrocytosis with Long-term Use of HyrdoxyUrea and Painful Lower Extremity Ulcerations: A Case Report. (CS-1204)

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Multi-Drug Resistant, Rapidly Growing Osteomyelitis of the Foot in a Healthy Patient. Atypical Treatment for an Atypical Infection. (CS-1208)

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Squamous Cell Carcinoma Masquerading as Osteomyelitis. (CS-1255)

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Scientific Format Posters

Arthroscopy

Comparative Functional Outcomes for Arthroscopic Ankle Debridement and Open Lateral Ankle Ligament Repair Using Modified Brostrom with Versus Without Suture Tape Augmentation: 12-Month Follow-Up. (S-897)

Joseph Waterhouse, DPM, AACFAS Marisa Giustiniano, DPM Adam Abboud, DPM Joseph Abdelmalak, DPM Frederick Kaestel, DPM Sherwin Shaju, DPM

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Biomechanics and Anatomy

Optimal Guidewire Starting Position for Medial Column Intramedullary Fixation: A Cadaver Study. (S-694)

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Soft Tissue Structures at Risk with a Percutaneous Focal Dome Osteotomy: A Cadaver Study. (S-696)

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Defining the Structures at Risk and an Anatomical Safe Zone for Percutaneous Antegrade Subtalar Joint Fixation with a Single Screw: A Cadaveric Study. (S-958)

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Comparative Analysis of Rate of Recurrence Utilizing Sodium Hydroxide Versus Phenol for Permanent Toenail Matrixectomies. (S-988)

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Relative Column Length Measurements: A New Radiographic Assessment of Forefoot Abduction in Pes Planus. (S-1050)

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Radiographic Parameters of the Intermetatarsal Space in Patients with Interdigital Neuromas. (S-1077)

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Perspectives on Anatomy Medicine Surgery - Common Peroneal Nerve Exposure. (S-1151)

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First Metatarsal Head Shape on Radiograph: Structural or Positional? (S-1169)

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Dynamic Foot Model to Study the Syndesmotic Variation During the Rotation of the Ankle. (S-1205)

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Intramedullary Anatomy of the Distal Fibula: A Radiographic Study. (S-1254)

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Diabetic Foot

Erythrocyte Sedimentation Rate is an Independent Predictor of Outcomes Following Diabetic Forefoot Amputations. (S-817)

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Does Preoperative Antibiotics Affect the Yield of Intraoperative Cultures in Diabetic Foot Infections? A Retrospective Analysis. (S-842)

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Outcomes of Posterior Tibial Tendon Versus Anterior Tibial Tendon Transfer for Flexible Forefoot Varus in a Comorbid Population. (S-933)

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Accuracy of Neutrophil-to-Lymphocyte Cell Ratio and CRP at Admission as Prognostic Markers of Surgical Intervention in Diabetic Foot Infections During Hospitalization. (S-1013)

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Investigating the Role of Autophagy in Chronic Wounds. (S-1070)

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Long Term Functional Outcomes of Hallux Amputations at Various Anatomic Levels. (S-1149)

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Anatomic Structures at Risk During Medial Column Nailing for Charcot Neuroarthropathy: A Cadaver Study. (S-1188)

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The Utility of Preoperative Labs in Predicting Readmission Following Transmetatarsal Amputation. (S-1201)

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Delayed Primary Closure vs Primary Closure after TMA in Medically Complex Patients with Diabetic Foot Infection, A Review of 10 Cases. (S-1243)

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The Infected Diabetic Foot: Comparison of CRP/Albumin Ratio with ESR and CRP to Differentiate Bone and Soft Tissue Infections in Moderate and Severe Diabetic Foot Infections. (S-1250)

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The Infected Diabetic Foot: Comparison of CRP/Albumin Ratio with ESR and CRP to Differentiate Bone and Soft Tissue Infections in Moderate and Severe Diabetic Foot Infections. (S-1251)

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Epidemiology/Population Study

Intellectual Property and Royalty Payments Among Foot and Ankle Surgery Fellowship Faculty. (S-695)

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Postoperative Opioid Use Following Ambulatory Podiatric Surgery and Risk Factors Associated with Higher Consumption. (S-797)

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Patient Perspective of Podiatrist Attire. (S-812)

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TAR versus the Bar: Current Legal Standpoint of Total Ankle Replacements. (S-881)

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Fall Risk Among Podiatric Patients Based on Balance Assessment and VNG Studies. (S-959)

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Forefoot Reconstruction

Isolated Capsulorrhaphy Impact on Radiographic and Range of Motion: A Cadaveric Study. (S-786)

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Does the First Intermetatarsal Angle Reduce in First Metatarsophalangeal Implant Arthroplasties? (S-798)

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Three-Year Analysis of a Five-Year Prospective Multicenter Study Assessing Radiographic and Patient Reported Outcomes Following Triplanar Tarsometatarsal Arthrodesis with Early Weightbearing. (S-820)

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Two-Year Analysis of Lesser Metatarsalgia Incidence Following Triplanar Tarsometatarsal Arthrodesis for Treatment of Symptomatic Hallux Valgus. (S-827)

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Two-Year Analysis of First Metatarsophalangeal Joint Range of Motion Following Triplanar Tarsometatarsal Arthrodesis. (S-829)

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Retrospective Review of Complications Following Distal Metatarsal Osteotomies using Biointegrative Implant Fixation. (S-840)

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Assessment of Correction of Hallux Valgus Deformity following Lapidus Bunionectomy Using Weight-Bearing CT Scans and Automatic Segmentation and Measurement Software. (S-844)

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Radiographic Comparison of Modified Lapidus Versus First Metatarsal Base Rotational Osteotomy for Correction of Moderate to Severe Hallux Valgus Deformity. (S-849)

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Prevalence of Post-Operative Complications in First Metatarsophalangeal Joint Arthroplasty with Total Silastic Implants. (S-968)

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Metatarsus Adductus Reduction with 1st Tarsometatarsal Arthrodesis and Cuboid Closing Osteotomy. (S-1003)

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At Risk Structures in MIS Hammertoe Procedures: A Cadaveric Study. (S-1071)

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Intermetatarsal Angle Correction of 1st MTPJ Arthrodesis in Cases of Severely Increased Intermetatarsal Angle. (S-1074)

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Characterization of First Metatarsal Regeneration After New Modern Minimally Invasive Bunion Surgery. (S-1101)

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Correction Maintenance of Lapidus with Intercuneiform Stabilization Compared to other Modifications to the Lapidus Procedure. (S-1181)

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Cost Comparison of Four-Pronged Staple versus Dorsal Plate with interfragmentary Screw for First Metatarsophalangeal Joint Arthrodesis: A Cost Analysis. (S-1194)

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New Metatarsal Realignment Angle to Assess Metatarsal Bend After Modern Minimally Invasive Bunion Surgery. (S-1222)

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Neurological/Peripheral Nerve Disorders

Modified regional versus ultra-sound guided popliteal anesthesia: One shot to block. (S-890)

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Evaluating Pain and Functional Outcomes of Deep Peroneal Neurectomy for Midfoot Arthritis. (S-978)

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Endoscopic-assisted release of exertional leg compartment syndrome: A new surgical technique. (S-1110)

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Rearfoot and Ankle Reconstruction

Comparative Outcomes of Intramedullary Fibular Nails Vs. Distal Plates for Fibular Fractures. (S-700)

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The Effects of Talar Height on Charcot Neuroarthropathy Reconstruction Outcomes. (S-709)

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Short Term Outcomes with Minimally Invasive Midfoot Charcot Reconstructive Surgery. (S-784)

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Two-Year Outcomes After Total Ankle Replacement with a Novel Fixed-Bearing Implant by a Single Surgeon Non-consultant or Inventor. (S-802)

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5 Year Outcomes of the "All-Inside" Arthroscopic Brostrom Repair in 66 patients: A Retrospective Analysis. (S-804)

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Fusion Rate of Orthobiologics vs. Autograft in the Foot and Ankle. (S-862)

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Ectopic Bone Growth Accurately Predicts Tibial Tray Loosening Following Primary Total Ankle Replacement. (S-891)

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Patient-Specific Instrumentation Engineer-Based Prescription Recommendations Do Not Accurately Predict Actual Hardware Removal During Primary Total Ankle Replacement. (S-892)

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Early Outcomes with Early Weightbearing Utilizing Willits Protocol Following Haglund's Surgery: A Retrospective Review. (S-916)

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Analysis of Factors Affecting Subtalar Arthroereisis Explantation Timeline. (S-922)

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The Role of Total Ankle Arthroplasty Component Subsidence in Peri-Prosthetic Hypertrophic Ossification. (S-1081)

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Joint-Line Landmarks for Intraoperative Total Ankle Arthroplasty Planning. (S-1103)

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Hindfoot and Ankle Arthrodesis with Flipper Foot Technique for the Treatment of Charcot Neuroarthropathy Deformities. (S-1109)

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Short-Term Results of a Hybrid Total Ankle Arthroplasty Combining a Stemmed Intramedullary Tibial Component with Chamfer-Cut Talar Dome. (S-1113)

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All About the Base: Outcomes of Fifth Metatarsal Base Osteomyelitis with and without Hindfoot Reconstruction. (S-1186)

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Financial Disclosures: The poster authors have indicated they have no financial relationships to disclose.

Osteochondral Allograft Transplantation for Osteochondral Lesions of the Talus: A Review of 10 Cases. (S-1213)

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Complication Rate Associated with Staged Total Ankle Replacement Versus Single Staged Total Ankle Replacement. (S-1218)

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The Effect of Preoperative Skin State on Midfoot Charcot Reconstruction Outcomes. (S-1220)

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Primary Subtalar Joint Arthrodesis for Recurrent Intractable Peroneal Tendon Pathology: A Pilot Study. (S-1221)

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Short Term Review of Minimally Invasive Surgical Repair for Acute Achilles Tendon Rupture. (S-1236)

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Outcomes of Achilles Detachment and Reconstruction with Simultaneous Gastrocnemius Recession. (S-1239)

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Trauma

Association Between Pronation External Rotation IV Fracture Pattern and Regional Bone Density. (S-698)

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Ideal Time for Ankle Fracture Surgery. (S-793)

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Rate of Bony Union After Jones Fracture Fixation in the General Population. (S-884)

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The Postoperative Outcomes of Open Reduction and Internal Fixation of Lisfranc Joint by Comparing Screws versus Suture Button technique. (S-898)

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Intramedullary Fibular Nail in Complex Ankle Fractures: Nail or Fail? (S-900)

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Minimal Invasive Mini-Rail External Fixation for Surgical Treatment of Calcaneal Fractures. (S-907)

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Arthrodesis of High and Low Energy Lisfranc Fractures Without Use of Home-Run Screw: A Case Series. (S-975)

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Incidence of Concomitant Injuries Occurring with Talus Fractures: An ACS-NSQIP Database Study. (S-1079)

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Outpatient Surgical Fixation of Complicated Calcaneal Fractures Pose No Excess Risk for 30-Day Complications. (S-1085)

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Retrospective Analysis of Distal Fibula Salter Harris I Fractures. (S-1124)

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A Retrospective Clinical and Radiographic Evaluation of the Dual Distractor Method for Calcaneal Fracture Open Reduction Internal Fixation. (S-1157)

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Role Morphology of the 5th Metatarsal Plays in 5th Metatarsal Base Fracture Patterns. (S-1244)

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Fibula Morphology and the Role it Plays in Comminuted vs Non-Comminuted Fibular Fractures. (S-1245)

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Utilization of Advanced Imaging to Scientifically Analyze Fracture Pattern Variations, A Review of 38 Posterior Malleolar Fractures. (S-1248)

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Wound Care/Infectious Diseases

Necrotizing Fasciitis in the Lower Extremity and Accuracy of the LRINEC Score. (S-806)

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The Effects of the COVID-19 Lockdown on Lower Extremity Amputation Rates in a Rural Setting. (S-1008)

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Systematic Review Format Posters

Forefoot Reconstruction

Are Vitamin D Levels a Determinant of Forefoot Fractures? A Systematic Review and Meta-Analysis – (SR-1055)

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Rearfoot/Ankle Reconstruction

Outcomes Following Total Joint Replacement of the Ankle in Diabetic Patients: A Systematic Review and Case Report. – (SR-808)

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The Utility of Tranexamic Acid in Foot & Ankle Surgery: A Systematic Review with Meta-Analysis. (SR-853)

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Subtalar Joint Arthrodesis in Total Ankle Arthroplasty: A Systematic Review with Meta-Analysis. (SR-872)

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Complication Rate Following Percutaneous Tendo-Achilles Lengthening: A Systematic Review with Random Effects Meta-analysis. (SR-1052)

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Treatment of Midfoot Charcot Neuropathy (CN) with Medial Column Beaming: A Systematic Review and Meta-Analysis. (SR-1083)

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Nonunion Rates of Various Fixation Constructs for Adult Talonavicular Joint Arthrodesis: A Systematic Review and Meta-Analysis. (SR-1122)

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The Use of Tranexamic Acid in Trauma and Elective Foot and Ankle Surgery: A Systematic Review with Meta-Analysis. (SR-1126)

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Efficacy of 3D Printed Talus in Conjunction with Intramedullary Nail in Tibiotalocalcaneal Arthrodesis. (SR-1180)

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An Analysis of Ankle Arthrodesis Versus Ankle Arthroplasty in Treating Osteoarthritis: A Systematic Review. (SR-1224)

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Soft Tissue/Tumor

Quantifying the Rupture Rate of the Plantar Fascia Following Corticosteroid Injection: A Systematic Review and Meta-Analysis. (SR-989)

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Trauma

IMN versus ORIF for Unstable Fibular Fractures: Which is Superior? (SR-1121)

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Wound Care/Infectious Diseases

Treatment Algorithm for Angioinvasize Mucormycosis: A Systematic Review. (SR-1207)

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Student Club Posters

Structures at Risk with Arthroscopic Brostrom Compared to Open Brostrom: A Cadaveric Study. (ST-010 - Biomechanics and Anatomy)

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Use of Intra-Operative Fluoroscopy for Minimally Invasive Surgery in the Correction of Hallux Valgus Deformity. (ST-011 - Forefoot Reconstruction)

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Cadaveric Partial Tibial and Total Talar Replacement to Treat Avascular Necrosis due to Spindle Cell Osteosarcoma of the Ankle: A Case Study. (ST-012 - Rearfoot and Ankle Reconstruction)

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A Systematic Review: Comparison of Nonunion Rates Between Allograft, Autograft, and Porous Metallic Implant in Adults Undergoing Lateral Column Lengthening. (ST-013 - Rearfoot and Ankle Reconstruction)

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Cost-Effectiveness Analysis of Open Repair Compared to Cast Immobilization for Management of Acute Achilles Tendon Ruptures. (ST-014 – Trauma)

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Comparison of Bioengineered Grafts in Diabetic Foot Ulcer Wound Healing. (ST-015 – Wound Care/Infectious Diseases)

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The Reset Neurectomy Within a Non-Identifiable Zone of Injury After Trauma. (ST-016 - Neurological/Peripheral Nerve Disorders)

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