Abstract Competition

APMA is pleased to announce the abstract competition for the APMA 2021 Annual Scientific Meeting (The National). All non-industry-sponsored oral and poster abstracts presented at The National are eligible for the APMA Abstract Competition. A panel of judges will select the top three abstracts in each of the categories below.

First-place winners will receive $500, second-place winners will receive $250, and third-place winners will receive $100. The awards will be given to the primary author only.

Winners will be announced during the Breakfast Symposium on Sunday, August 1 at 7:00 a.m.

THE SIX AWARD CATEGORIES ARE AS FOLLOWS:

1. Outstanding Oral Abstract Presentation
2. Outstanding American Public Health Association (APHA) Podiatric Health (POD Section) Student Poster Abstract*
3. Outstanding Large Case Study/Series Poster Abstract
4. Outstanding Resident Poster Abstract
5. Outstanding Single Case or Small Case Study/Series Poster Abstract
6. Outstanding Student Poster Abstract

*The Outstanding APHA POD Section Student Poster Abstract category recognizes one poster abstract related to public health or disparities. The primary author on the public health abstract must be a podiatric medical student, and that student must be a member of the APHA POD Section as well as an APMA member. Only one winner will be selected to receive $250 and the Arthur E. Helfand, DPM, award.
ATTENDEES’ CHOICE AWARD

Attendees will also have a chance to vote for their favorite poster, including industry-sponsored posters. A prize will be awarded to the poster that receives the most votes from attendees.

AWARD CRITERIA

The judges will consider the visual design and impact of the poster as well as the significance of the study, including its importance to the advancement of the practice of podiatric medicine and surgery. Other factors the judges will evaluate include: the study's content and clarity; specific number of cases or specimens studied; clinical or research data to support study conclusions; minimum follow-up of one year per patient for results describing reconstructive procedures; and new or modified techniques as they relate to diagnosis, surgery, complications, or other phases of podiatric medical and surgical problems.
Poster abstracts will be on display in the exhibit hall of the Gaylord Rockies Resort & Convention Center from Thursday, July 29, to Saturday, July 31. On Saturday, during the Poster Abstracts Symposium from 1:00–2:00 p.m., poster abstract authors will be on hand to discuss their research findings during the symposium. Posters can also be viewed virtually during the meeting at www.apma.org/abstracts2021.

Abstracts selected for oral presentation will be presented on Saturday, July 31, from 10:30 a.m.–12:00 p.m.
ORAL ABSTRACTS

Incidence of Hallux Interphalangeal Deformity/Degenerative Changes in Neuropathic Patients following First MPJ Arthrodesis
Chandler J. Ligas, DPM ●
Thomas A. Brosky, DPM
Charles Penvose, DPM
Adam Port, DPM
Brian Carpenter, DPM

Effectiveness of Electrical Stimulation to Improve Lower Extremity Muscle Perfusion in Critically Ill ICU Patients with Severe COVID-19 Infection
Alejandro Zulbaran-Rojas, MD ●
Ramkinker Mishra, PhD
Brian Lepow, DPM
Naima Rodriguez, MA
James Herlihy, MD
Bijan Najafi, PhD

Is Second Metatarsal Shortening Osteotomy Necessary When Performing a Lapidus Bunionectomy?
Ryan Rodela, DPM ●
Matthew Diamond
Lowell S. Weil Jr., DPM, MBA
Matthew Sorenson, DPM
Jeffrey Baker, DPM
Erin E. Klein, DPM, MS
Adam E. Fleischer, DPM, MPH

Comparison of Patient-Centered Outcomes in Traditional Open and All Arthroscopic Brostrom Surgery for Lateral Ankle Instability
Erin E. Klein, DPM, MS ●
Mark Magnus, DPM
Lowell S. Weil Jr., DPM, MBA
Matthew Sorensen, DPM
Jeffrey Baker, DPM
Adam E. Fleischer, DPM, MPH

Endoscopic Calcaneoplasty with Gastrocnemius Recession: Is Immediate Weightbearing Safe and Effective?
Deepali Darji, DPM ●
Duane E. Ehredt Jr., DPM
Mark Razzante, DPM
Sydney Miggantz

Long-Term Outcomes of Guillotine Transmetatarsal Amputation: A Functional Response to Increasing Limb Salvage Complexity in Patients with Chronic Limb-Threatening Ischemia
Alejandro Zulbaran-Rojas, MD ●
Miguel Montero-Baker, MD
Catherine Park, PhD
Bijan Najafi, PhD
Zachary Pallister, MD
Jayer Chung, MD
Jeffrey A. Ross, DPM, MD
Joseph L. Mills, MD
Brian Lepow, DPM

● Primary Author  ● Primary Student or Resident Author
# 2021 Poster Abstracts

## American Public Health Association (APHA) Podiatric Health (Pod Section) Student

1. **Vitamin C Level, Fruit and Vegetable Intake, and Glycemic Control in Patients with Diabetic Foot Ulcer**  
   Khan Phuong S. Tong  
   Jacquelyn Ortiz, CCRP, PMAC  
   Stephanie C. Wu, DPM, MS

## Large Case Study/Series

2. **Anatomic and Treatment Descriptive Features of Lower Extremity Gas Infections**  
   Hyun Shim, DPM  
   Nicholas Varakin, DPM  
   Andrew J. Meyr, DPM

3. **Approximation of the Ankle-Brachial Index in the Setting of Medial Arterial Sclerosis**  
   Andrew J. Meyr, DPM  
   Jennifer Skolnik, DPM  
   Sara Mateen, DPM  
   Eric T. Choi, MD

4. **A Comparison of Adverse Short-Term Outcomes Following Forefoot Amputation Performed on an Inpatient versus Outpatient Basis**  
   Andrew J. Meyr, DPM  
   Jennifer Skolnik, DPM  
   Sara Mateen, DPM  
   Laura Sansosti, DPM

5. **Comparison of Regenerative Injection Therapy and Traditional Therapy for Sub-acute and Chronic Proximal Plantar Fasciitis**  
   Christopher Betrus, DPM  
   Alisha P. Joshi  
   Erin E. Klein, DPM  
   Adam E. Fleischer, DPM, MPH  
   Lowell S. Weil Jr., DPM, MBA

6. **Effects of Febuxostat versus Allopurinol in Patients with Elevated Serum Uric Acid Levels, Chronic Gout: A Literature Review**  
   Ebony Love, DPM  
   Ziad Labbad, DPM, MD, CPed  
   Khurram Khan, DPM  
   James McGuire, DPM, PT, CPed  
   Jerisan Jeganathan  
   Fadi Isa

7. **An Evaluation of Patient Characteristics Associated with Medical Disposition in the Surgical Treatment of Ankle Fractures**  
   Andrew J. Meyr, DPM  
   Matthew Dougherty, DPM  
   Kwasi Y. Kwaadu, DPM

8. **Evaluation of the Relationship Between Aspects of Medical Complexity and Work Relative Value Units (RVUs) for Foot and Ankle Surgical Procedures**  
   Andrew J. Meyr, DPM  
   Sara Mateen, DPM  
   Jennifer Skolnik, DPM  
   Jennifer C. Van, DPM
9. **Factors Associated with Successful Closed Reduction of Dislocated Ankle Fractures at a US Level-1 Trauma Center**
   Andrew J. Meyr, DPM ●
   Katrin Heineman, DPM
   Jennifer M. Levi, DPM
   Laura Sansosti, DPM

10. **Incidence and Conversion of MRSA in Patients With and Without Diabetes: A Large Retrospective Review**
    Amanda L. Killeen, DPM ●
    Easton Ryan
    Peter A. Crisologo, DPM
    Javier La Fontaine, DPM, MS
    Lawrence A. Lavery, DPM, MPH
    Michael Radzieta, PhD
    Matthew Malone, PhD

11. **Overview of Rheumatoid Arthritis and Association with Intermetatarsal Bursitis**
    Ebony Love, DPM ●
    Amanda Gallagher
    Ziad Labbad, DPM, MD, CPed
    Khurram Khan, DPM
    James McGuire, DPM, PT, CPed

12. **Safety of Tibial Half Pins with Circular External Fixation for Foot and Ankle Reconstruction in Patients with Peripheral Neuropathy**
    Nicole K. Cates, DPM ●
    John D. Miller, DPM
    Shirley Chen, DPM
    Vineela M. Ayyagari, DPM
    Bradley M. Lamm, DPM
    Jacob Wynes, DPM, MS

13. **The State of Podiatric Public Health in Oklahoma**
    Todd A. Hasenstein, DPM ●
    Lateef O. Lawal, DPM, MPH

14. **The Use of Nonthermal Plasma in the Treatment of Chronic Wounds: Literature Review**
    Ebony Love, DPM ●
    James McGuire, DPM, PT, CPed
    Ziad Labbad, DPM, MD, CPed
    Tracey Vlahovic, DPM
    Haoning Hu

15. **Where Do DPMs Publish?: A Bibliometric Analysis of 2019**
    Laura Sansosti, DPM ●
    Andrew J. Meyr, DPM

**RESIDENT**

16. **Acral Lentiginous Melanoma of the Foot: A Case Report Highlighting the Challenges Associated with Treatment**
    Matthew A. Pitre, DPM ●
    John J. Tolli, DPM

17. **Adenocarcinoma Metastasis to the Cuboid and Calcaneus: A Case Study**
    Stanton A. Wilhite, DPM ●
    Donald Adler, DPM

18. **Aggressive Multimodal Management of Verrucous Skin Lesions on the Neuropathic Foot**
    Rami Basatneh, DPM ●
    Erik Kissel, DPM
   Nathan R. Mauren, DPM ●
   Alexis Wade
   Krishan Singh, DPM
   Brandon Gumbiner, DPM

20. **Ankle Inversion Injuries and Traction-Type Peroneal Nerve Entrapments: A Case Series**
    Krishan Singh, DPM ●
    Nathan Mauren, DPM
    Rachit Shah, MA
    Brandon Gumbiner, DPM

21. **Are Hemoglobin A1C Levels a Positive Predictor for Gas Gangrene Infections in the Diabetic Lower Extremity?**
    Rohan G. Desai, DPM ●
    Traci Bologna-Jill, DPM
    Brian S. Sullivan, DPM

22. **Assessment of a Dorsal L-Locking Plate Fixation Construct in Conjunction with Medial Collateral Ligament Reconstruction in Distal Metatarsal Osteotomies for Hallux Valgus**
    Kristen M. Brett, DPM ●
    Keegan A. Duelfer, DPM
    Troy J. Boffeli, DPM
    Rachel C. Collier, DPM

23. **Assessment of Bone Density Between Distal 5%–10% of the Tibia with CT Scans**
    Keegan Duelfer, DPM ●
    Troy Boffeli, DPM
    Howard Chang, DPM
    Chloe Sakow, DPM

24. **Atraumatic Presentation of Compartment Syndrome with Post-Intervention Systemic Inflammatory Response and Complex Regional Pain Syndrome: A Case Report**
    John Shields, DPM ●
    Sachi Patel, DPM
    Jeffrey Lucido, DPM

25. **Axoguard Nerve Caps for Recalcitrant Pedal Neuromas**
    Du Jun, DPM ●
    Hendrik Ryan L. Tan, DPM, MHA
    Greg Still, DPM

26. **Bilateral Distal Tibial Fractures Treated with Closed Intramedullary Nails: A Case Report**
    Ryan J. Lerch, DPM ●
    Jeffrey Manway, DPM

27. **Bone Marrow Aspirate Intraoperatively Correlates to Decreased Length of Admission Postoperatively**
    Lauren Kerr, DPM ●
    Rachel Ellen Egdorf-Gerber, DPM
    Shiori Takashima, DPM
    Jay Egdorf
    Oleg Petrov Jr., DPM

28. **Can Wound Cultures be Used in Lieu of Bone Cultures to Accurately Tailor Antibiotics for Diabetic Foot Osteomyelitis?**
    Djavlon Khakimov, DPM ●
    Priam J. Sandilya, DPM, MS
    Brian S. Sullivan, DPM
29. **A Case of Arthroscopic Debridement of Gonococcal Ankle Arthritis and Diagnosis with Next Generation DNA Sequencing**
   Steven W. Shader, DPM • Vinashna Patel, DPM • Jodi Schoenhaus, DPM

30. **Case Report: Juvenile Articular Cartilage Graft Augmentation along with Calcaneal Autograft for Revision Repair of Osteochondral Defects of the Talus**
   Kanika Kochhar, DPM • Saima Sardar, DPM • Brandon Gumbiner, DPM

31. **Case Report on Deltoid Ligament Repair in Lateral Malleolar Fracture—A Controversial Subject**
   Lauren Kerr, DPM • Henry Spingola, DPM • Mitchell Goldflies, MD

32. **Case Report: Osteophytes and Intramuscular Granulomas in a Diabetic Male**
   Sindhu Srinivas, DPM, MS • Ellianne M. Nasser, DPM

33. **Case Report: Successful Surgical Treatment of Bilateral Idiopathic Anterior Tibial Tendon Tears**
   Elizabeth Burns, DPM • Ellianne M. Nasser, DPM

34. **Charcot Neuroarthropathy of the First Metatarsophalangeal Joint: A Case Study and Suggested Management Protocol**
   Magdy Issa, DPM, MBChB, MS • Diana Rogers, DPM • Patrick McEneaney, DPM

35. **Chronic Undiagnosed Gout Can Cause Devastating Bone Erosions**
   Joseph J. Lynott, DPM • Brianna L. Albers, DPM • Renee Ash, DPM

36. **Comparison of Hardware Removal Rates in Lapidus Arthrodesis versus Minimally Invasive Distal Metatarsal Osteotomy Procedures for Hallux Valgus**
   Lant J. Abernathy, DPM • Alex Standiford, DPM • Meghan Blanchet, DPM • Corine Creech, DPM • Robert Hallivis, DPM • David Pontell, DPM • Alexander Goreshtein, DPM

37. **Comparison of Osseous Involvement and Joint Predilection in Diabetic Charcot Neuroarthropathy in Patients With and Without Renal Disease**
   Jonathan D. Furmanek, DPM • Lance T. Hopkin, DPM • Caitlin S. Zarick, DPM

38. **Compartment Syndrome Secondary to Closed Ankle Fracture with Delayed Presentation**
   David V. Tran, DPM • Kyle Smith, DPM
39. A Complex Case of Acquired Anterior Cavus with Concomitant Drop Foot and Multiple Forefoot Deformities: A Case Study
Shalin S. Panchigar, DPM ● Jennifer Young, DPM Rami Basatneh, DPM Brian G. Kissel, DPM

40. Correlation of Carpal Tunnel Syndrome with Confirmed Tarsal Tunnel Syndrome in Foot and Ankle Medicine: A Retrospective Review
Morgan A. Baxter, DPM ● Martha Klingbeil, DPM Kimberlee B. Hobizal, DPM, MHA Tresa Wize, DPM

41. Correlation of Methicillin-Resistant Staphylococcus aureus Nasal Cultures to Surgically Treated Lower Extremity Wounds
Ramez Sakkab, DPM ● Tyler Macrae, DPM Samantha Bagsic, PhD Gonzalo Ballon-Landa, MD

42. COVID-19 and the Impact of Lower Limb Amputation in a Pandemic within the Podiatric Community: A Retrospective Comparative Study
Reema Naman, DPM ● Kimberlee B. Hobizal, DPM, MHA Tresa Wize, DPM

43. Delayed Presentation of Ackerman’s Tumor
Basil Rafiq, DPM ● Mehgan Susek, DPM

44. Does Higher Level of Care After Hospital Discharge Lead to Better Healing in Transmetatarsal Amputation?
Keegan Duelfer, DPM ● Troy Boffeli, DPM Abimbola Johnson, DPM

45. Early Staged Surgical Reconstruction for Active Midfoot and Ankle Charcot Neuroarthropathy in Patients with Diabetes: A Case Series
Michael J. Hurst, DPM ● Hannah J. Hughes, DPM

46. Effect of BMA Harvest Site on Length of Hospital Admission Following Complex Lower Extremity Surgery
Rachel Ellen Egdorf-Gerber, DPM ● Lauren Kerr, DPM Jacob Lenihan, DPM Nil Patel, DPM Jay Egdorf

47. Failed Second Metatarsal Head Resection Surgery Secondary to HAV and Elongated Third Metatarsal Treated with Keller Bunionectomy, Second Metatarsal Lengthening Osteotomy Using Autogenous Bone Graft From the Proximal Phalanx, and Third Metatarsal Weil Osteotomy: A Case Report
Duan Zhang, DPM ● Sangho Kim, DPM Jeffrey Lucido, DPM
48. Hair Tourniquet Syndrome in a Four-Month-Old: An Uncommon Finding in Pediatric Patients
Brian Loring, DPM ●
Mehgan Susek, DPM

49. The Harvest of Calcaneal Bone Marrow Aspirate is a Safe and Efficacious Adjunctive Procedure with ORIF and Arthrodesis Procedures in the Foot and Ankle
Alexander F. Standiford, DPM ●
Meghan K. Blanchet, DPM
Gurvikram Boparai, DPM
Corine L. Creech, DPM

50. Heterotopic Ossification of the Achilles Tendon: A Case Report
Shayla A. Robinson, DPM ●
Joshua Mann, DPM

51. Hospital Readmission Rates Following Complex Lower Extremity Cases With and Without the Use of Platelet Rich Plasma and/or Compact Bone Marrow Aspirate
Rachel Ellen Egdorf-Gerber, DPM ●
Lauren Kerr, DPM
Haris Khan, DPM
Jay Egdorf

52. Innovative Technique for Transpositioning the Capital Fragment of the Weil Osteotomy
Chandler J. Ligas, DPM ●
Jeanne M. Mirbey, DPM
Thomas A. Brosky, DPM

James W. Ritter, DPM ●
Berry Bernstein, DPM

54. Intrasubstance Achilles Tendon Abscess Following a Cat Bite
Craig Scanland, DPM ●
Ellianne M. Nasser, DPM

55. Isolated Degloving Injury to Posterior Heel with No Achilles Tendon Involvement
Kyle Miller, DPM ●
Lant M. Abernathy, DPM
Gurvikram M. Boparai, DPM
Barry M. Saffran, DPM

56. Lateral Ankle and Subtalar Joint Stabilization in Ehlers-Danlos Patients: A Case Series
Jessica E. Bruno, DPM ●
Stephanie Allen
Patrick S. Agnew, DPM

57. Lateral Ankle Stabilization in Midfoot Charcot Stabilization to Prevent Progression to Ankle Charcot Neuroarthropathy
Charles Y. Hu, DPM ●
Nicole K. Cates, DPM
Jacob Wynes, DPM, MS

58. Long-Term Sequelae of Posterior Release for Talipes Equinovarus: A Case Study
Carlyn M. Hinish, DPM ●
Taylor Tesoro, DPM
Andrew H. Cohen, DPM
59. Management of Traumatic Bilateral Calcaneal Fractures with Subsequent Malunion of the Subtalar Joint
Christopher Bergen, DPM ●
Ali Saleh, DPM
Michael Subik, DPM

60. Myoepithelioma in the Foot: Case Study
Stanton A. Wilhite, DPM ●
McKenna Green, DPM
Bruce Kaczander, DPM

61. Necrotizing Infection versus Pyoderma Gangrenosum: A Pediatric Case Report
Erato Giokas, DPM, MS ●
Brian S. Sullivan, DPM
Alandra Greenlee, DPM

62. Non-uremic Calciphylaxis—A Rare and Unexpected Diagnosis of Necrotic Ulcers
Beth B. Reittinger, DPM ●
Mark A. Stees, MD
Brandon R. Gumbiner, DPM

63. Novel Surgical Approach for Isolated Sustenaculum Tali Fractures
Kyle McKray Smith, DPM ●
David V. Tran, DPM
Seth Philips, DO

64. Novel Tension Banding Fixation for a Tongue Type Calcaneal Fracture via Suture Anchors
Sara Mateen, DPM ●
Tim Greene, DPM
Todd A. Hasenstein, DPM
Lateef Lawal, DPM, MPH

65. Osteosarcoma as a Primary Bone Tumor in an Adult Foot: A Case Report
Zab’di L. Sanchez Prada, DPM ●
Sriya Babu, DPM
Amir Baharloo, DPM
Christopher J. Hahn, DPM

66. Outcomes with Longitudinal Sinus Tarsi Incision for Lateral Ankle Stabilization Combined with Rearfoot and Ankle Arthroscopy to Avoid Anterolateral Incision Clustering
Garrett D. Nelson, DPM ●
Howard C. Chang, DPM
Troy J. Boffeli, DPM

67. P188 Hydrogel-Surfactant’s Use in Diabetic Foot Ulcers
Aleena P. Resendez, DPM ●
Jose R. Lingao, DPM
Rohan Thamby, DPM
Chatra Klaisri, DPM

68. Peroneus Longus Muscle Belly Herniation with Associated Superficial Peroneal Neuropathy
Jared Melman, DPM ●
Matthew Greenblatt, DPM
Elliot Olenchek, DPM
Jugal Dharia, DPM

69. Prevalence of Pseudomonas aeruginosa in Diabetic Foot Infections in the United States: A Systemic Review and Meta-Analysis
Tyler L. Coye, DPM ●
Courtney Foote, DPM
Paul Stasko, DPM
70. Radiographic Evaluation of Medial Cortical Lines to Determine the Soft Tissue Contribution in a Hallux Abductovalgus Deformity
   Helene R. Cook, DPM ●
   Nicole K. Cates, DPM
   Mira Pandya, DPM
   Jacob Wynes, DPM, MS
   Guido A. LaPorta, DPM, MS

71. A Rare Case of a Malignant Cutaneous Adnexal Tumor of Pedal Origin
   Bryan Raymond, DPM ●
   Dustin L. Kruse, DPM
   Paul A. Stone, DPM
   Brett Sachs, DPM

72. A Rare Case of Peroneal Longus Insertional Tear in the Ehlers-Danlos Syndrome Pediatric Patient
   Melinda Nicholes, DPM ●
   Peter Smith, DPM

73. Rate and Location of Re-ulceration and Re-amputation Following Partial First Ray versus Hallux Amputation
   Hannah J. Hughes, DPM ●
   Michael J. Hurst, DPM

74. Repair of Chronic Midsubstance Tibialis Anterior Rupture with Large Segmental Defect Using Intercalary Tendon Allograft Augmented with Bridging Fibertape and Anchor Construct: A Case Report
   Sriya Babu, DPM ●
   Brandon Rogers, DPM
   Carmen Wong, DPM
   Petrina Yokay, DPM
   Dong Kim, DPM

75. Retrocalcaneal Enthesiophyte Resection with Functional Lengthening of the Achilles Tendon and Buried Knot Technique: A Case Series
   Shirley S. Chen, DPM ●
   Nicole K. Cates, DPM
   Emily C. Wagler, DPM
   Laurence Rubin, DPM

76. Salvage of the Lower Extremity After Breakage of a Tibiotalocalcaneal Intramedullary Rod
   Kenny Luong, DPM ●
   Ali Saleh, DPM
   Michael Subik, DPM

77. Soft Tissue Perineurioma of the Lateral Foot with Positive Tinel’s Sign
   Gabrielle Lee, DPM ●
   Eric G. Walter, DPM

78. Steroid-Induced Avascular Necrosis in the Foot and Ankle: A Case Study
   Shirley S. Chen, DPM ●
   Amber C. Kavanagh, DPM
   Caitlin C. Zarick, DPM

79. A Sub-acute Isolated Rupture and Avulsion Fracture of the Spring Ligament Following Low Energy Trauma in a US Marine: A Case Review
   Melinda Nicholes, DPM ●
   Peter Smith, DPM

80. Superficial Venous Aneurysms of the Foot: Case Presentation and Review of a Rare Pathology
   Huzefa Sakerwalla, DPM ●
   Joseph Santi, DPM
81. Surgical Management of Macrodactyly in the Foot
Karina Tavakalyan, DPM ●
Rachna Bangdiwala, DPM
Lady Paula DeJesus, DPM

82. Surgical Treatment of Plantar First Metatarsal Ulcerations in High-Risk Patients: A Case Series
Alissa Mayer, DPM ●
Nicole K. Cates, DPM
Jered Stowers, DPM
Jacob Wynes, DPM, MS

83. A Systematic Review of Angular Deformities in Charcot Neuroarthropathy
Helene R. Cook, DPM ●
Nicole K. Cates, DPM
Jonathan Tenley, DPM
Paul J. Kim, DPM, MS

84. A Systematic Review of Hindfoot Arthrodesis Fusion Rates: Double versus Triple Arthrodesis
Alissa Mayer, DPM ●
Nicole K. Cates, DPM
Jonathan Tenley, DPM
Jacob Wynes, DPM, MS
John Steinberg, DPM
Paul J. Kim, DPM, MS
Glenn Weinraub, DPM

85. Total Ankle Replacement Retention after Two-Stage Debridement Protocol with Polyethylene Exchange for Periprosthetic Joint Infection: A Case Report
Bryan Raymond, DPM ●
Alan Ng, DPM
Dustin L. Kruse, DPM
Brett Sachs, DPM

86. Total First MPJ Implant as a Viable Solution to Acute Arthritis within One Year Post Austin Bunionectomy
Amanda C. Khoury, DPM ●
Elizabeth Franger, DPM
Tinisha R. Ricks, DPM
Michele Ahmadi, DPM

87. Trauma-Induced Pseudoaneurysm Resulting in Arteriovenous Malformations in the Foot: A Case Study
Naomie P. Jean, DPM, MPH ●
Kenice Frank, DPM
Lady Paula DeJesus, DPM
Kristin Blanchet, DPM

88. Treatment of Avascular Necrosis of the Talus Secondary to Charcot Arthropathy with a Total Cadaveric Talus Implant and Pantalar Fusion
Muhammed Shamim, DPM ●
Rami Basatneh, DPM
Brian G. Kissel, DPM
Jennifer Young, DPM

89. Treatment of Severe Equinovarus Deformity Associated with Distal Myopathy
Caleb P. Thomas, DPM ●
Ellianne M. Nasser, DPM

90. Triple Arthrodesis with Extended Medial Column Fusion in the Management of Midtarsal Joint Charcot Neuroarthropathy with Additional Involvement of the Naviculocuneiform Joint
Rami Basatneh, DPM ●
Muhammad Shamim, DPM
Shalin Panchigar, DPM
Jennifer Young, DPM
Brian G. Kissel, DPM
91. A Unique Case of Mueller Weiss Syndrome with Concomitant Hindfoot Arthritis Treated with Triple Arthrodesis and Complicated with a Non-union
   Muhammed S. Shamim, DPM ●
   Rami Basatneh, DPM

92. Vasopressor-Induced Reperfusion Injury in the Lower Extremity
   Krishna A. Tikiwala, DPM ●
   Khase Wilkinson, DPM

SINGLE CASE STUDY
OR SMALL CASE/SERIES

93. 3D Printed Patient Specific Total Cuboid Replacement for Treatment of Post-Traumatic Arthritis: A Case Report
   Lance Johnson, DPM ●
   Paul Leatham, DPM
   Peter Highlande, DPM, MS
   Coleman Clougherty, DPM

94. Angioleiomyoma, an Unusual Cause of Hallux Pain
   Patrick A. McEneaney, DPM ●

95. Calcaneal Autograft with a Medial Malleolar Osteotomy for Repair of a Medial Osteochondral Defect of the Talus: A Technique Review and Novel Case Report
   David C. Hatch, DPM ●
   Daniel J. Weido, DPM
   Mehera T. Hormuz, DPM

96. The Detrimental Association between Fear of Falling and Motor Performance in Older Cancer Patients with Chemotherapy-Induced Peripheral Neuropathy
   Gu Eon Kang, PhD ●
   Brian Lepow, DPM
   Tamiko K. Murphy
   Mark E. Kunik, MD
   Hoda J. Badr, MD
   Biruh T. Workeneh, MD
   Sarvari V. Yellapragada, MD
   Yvonne H. Sada, MD
   Bijan Najafi, PhD

97. The Effects of Socioeconomic Disparities on Limb Salvage
   Sarepta Isaac, DPM ●

98. Pathologic Fractures of the Bilateral Distal Tibias and the Effects of Early Osteoporosis in a Young Adult Female: A Case Report
   Nicole Branning, DPM ●
   Kevin Craney, DPM

99. A Practical Solution Based on Daily Use of Lower Limb Electrical Stimulation Therapy to Prevent ICU-Acquired Weakness in Critically Ill ICU Patients with Severe COVID-19 Infection—A Proof of Concept Double-Blinded Randomized Controlled Trial
   Alejandro Zulbaran-Rojas, MD ●
   Ramkinker Mishra, PhD
   Brian Lepow, DPM
   Naima Rodriguez, MA
   James Herlihy, MD
   Muhammad Siddique, MD
   Bijan Najafi, PhD
100. Radiographic Regeneration of Fifth Metatarsal Head After Osteolysis: Biopsy-Confirmed Osteomyelitis Treated with Implantation of Antibiotic Cement
Sejal Patel, DPM ●
Austin Brown, DPM, MPH
Mark Bivins, DPM

101. A Rare Incidence of a Distal Tibialis Anterior Tendon Tear
Michael Egertsen, DPM ●
Sheryse Mobley, DPM
Anam Ali, DPM

102. Screening Cognitive Frailty Using a Game-Based Intradialytic Foot and Ankle Exercise with Wearable Sensors in People with Diabetes and End-Stage Renal Disease Requiring Hemodialysis
Catherine Park, PhD ●
Fadwa Al-Ali, MD
Bijan Najafi, PhD
He Zhou, PhD
Abdullah Hamad, MD
Brian D. Lepow, DPM
Rania Ibrahim, RN

103. Smart Offloading System with Remote Patient Monitoring to Improve Adherence and Manage Dosage of Safe Weight-Bearing Activities for Diabetic Foot Ulcer Patients—A Proof of Concept Design
Catherine Park, PhD ●
Bijan Najafi, PhD
Ramkinker Mishra, PhD
Gu Eon Kang, PhD
Davide Vigano
Karen D’Huyvette, ND, RN, MS
Jeffery W. Rankin, PhD
David Armstrong, DPM, MD, PhD

104. Split Anterior Tibial Tendon Transfer to Dorsal Lateral Foot for Cavovarus Deformities: A Case Series
Taylor Bunka, DPM ●
Amber Kavanagh, DPM
Nicole K. Cates, DPM
Jacob Wynes, DPM, MS

105. Surgical Treatment of Gout in Interphalangeal Joints, A Case Series
Marc D. Jones, DPM ●
Jordan Hirschi, DPM

106. Surgically-Induced Forefoot Charcot Arthropathy Following a Cheilectomy
Rizcion Dagani, DPM ●
Allen Raphael, DPM

Patrick A. McEneaney, DPM ●

108. The Utilization of Bipedicle Fasciocutaneous Flaps for Soft Tissue Coverage following Total Ankle Arthroplasty
Ryan M. Sherick, DPM ●
Margaret T. Kerins, DPM
Alexander F. Standiford, DPM
Vineet Mehan, MD
Earl Johnson, MD
109. Accuracy of Magnetic Resonance Imaging and Diagnostic Ultrasound in the Assessment of Plantar Plate Injuries: A Systematic Review and Meta-Analysis
   Manali S. Chingre ●
   Rachel H. Albright, DPM, MPH
   Adam E. Fleischer, DPM, MPH
   Erin E. Klein, DPM, MS
   Lowell S. Weil Jr., DPM, MBA
   Brandon Brooks, DPM, MPH

110. Adipose Derived Stem Cells in Chronic Wound Healing
   Shalvi Prasad ●
   Tamanna Hoqu
   Nikhil Boga
   Eric D. Stamps, DPM

111. Can Real Time Visual Feedback via Tibial Acceleration Reduce Ground Reaction Forces?
   Sujit Johnston, MS ●
   Sai Yalla, PhD
   Stephanie Wu, DPM

112. Comparing the Composition of Cutaneous Microbiota on the Plantar Surface and Interdigital Spaces of the Diabetic and Non-diabetic Foot
   Porscha Dort ●
   Windy Cole, DPM
   Stacy Coe

113. Comparison of Plantar Fasciotomy Alone versus Plantar Fasciotomy Plus Subchondral Calcaneal Stabilization for Refractory Infracalcaneal Heel Pain
   Zachary Hulst ●
   Adam E. Fleischer, DPM, MPH
   Lowell S. Weil Jr., DPM, MBA
   Erin E. Klein, DPM, MS
   Neathie M. Patel

114. Comparison of Plantar Foot Pressures for Upright and Recumbent Bicycles
   Ryan J. Boettger ●
   Melanie Violand, DPM
   Nicholas Duke

115. The Diabetic Foot and its Association with Physical Activity Engagement
   Kayln N. Jones ●
   Stephanie Wu, DPM
   Ryan Crews, PhD
   Noah J. Rosenblatt, PhD

116. The Effect of Hallux Valgus on Fall Risk in Community-Dwelling Older Adults: A Systematic Review and Meta-Analysis
   Geethu A. Kurian ●
   Bobak Manesh
   Olivia Schaps, HSD
   Adam E. Fleischer, DPM, MPH
   Rachel H. Albright, DPM, MPH
   Noah Rosenblatt, PhD
117. High Complex Carbohydrate Diets and Glycemic Control in the Diabetic Population: A Systematic Review and Meta-Analysis
   Kelly E. Fahey ●
   Zachary Hulst
   Adam E. Fleischer, DPM

118. How Important is a Lesser Metatarsal Osteotomy in Preventing Hammertoe Recurrence?
   Timothy P. Cheung, PhD ●
   Rachel H. Albright, DPM, MPH
   Erin E. Klein, DPM, MS
   Matthew Sorensen, DPM
   Lowell S. Weil Jr., DPM, MBA
   Adam E. Fleischer, DPM, MPH

119. Impact of Weight-Bearing Physical Activity Upon Temperature of the Plantar Surface of Diabetic Feet
   Angela M. Garcia ●
   Sai Yalla, PhD
   Frank DiLiberto, PhD
   Stephanie Wu, DPM
   Ryan Crews, PhD

120. LGBTQ+ Attitudes and Experiences of Podiatric Medical Students
   Katherine L. Gutierrez ●
   Sean Nguyen
   David Shofler, DPM, MSHS
   Saba Sadra, DPM
   Tzu Lu (Lily) Lin, DPM

121. Metatarsal Head Resection as a Treatment for Chronic Diabetic Foot Ulcers: A Systematic Review and Meta-Analysis
   Andrew To, MS ●
   Monica Cervantes, MA
   Patricia Woo
   Jason Aguas
   Christian Costales
   Chia-Ding Shih, DPM, MPH, MA

122. The Optimal Dose of Platelet-Rich-Plasma Injection for Recalcitrant Plantar Fasciitis: A Systematic Review and Meta-Analysis
   Rahul Mishra ●
   Chia-Ding Shih, DPM, MPH, MA
   Frances D. Svidler, MS

123. Student Perspectives on Diversity in Podiatric Medical Education
   Alex Carrillo-Kashani ●
   David Shofler, DPM
   Anthony Hernon

124. Supernumerary Muscles in the Leg and Foot: A Review of Their Types, Frequency, and Clinical Implications
   Jessica Landeros ●
   Anushka A. Ramnani
   Rebecca A. Moellmer, DPM
   Stephen A. Wan, DPM
   Mathew Wedel, PhD
125. Treatment of Lesser Metatarsophalangeal Joint Instability with Plantar Plate Repair: A Systematic Review and Meta-Analysis
Ryan C. Jameson ●
Rachel H. Albright, DPM, MPH
Manli Chingre
Erin E. Klein, DPM, MS
Lowell S. Weil Jr., DPM, MBA
Adam E. Fleischer, DPM, MPH

126. Use of Hydrosurgical Debridement for Venous Leg Ulcers in an Obese Patient with Multiple Comorbidities
Zanib Cheema, MS ●
Stephanie Wu, DPM

127. Collagenase Clostridium Histolyticum (CCH) Injection as a Nonsurgical Treatment for Plantar Fibromatosis: A Randomized, Open-Label, Dose-Ranging Study
Richard A. Pollak, DPM ●
Christopher J. Anderson, DPM
David Hernandez, MD
Shannon R. Dalton, PhD
Qinfang Xiang, PhD
Saji Vijayan, MBBS
Joseph M. Caporusso, DPM

128. The Effect of Frailty on Management of Diabetic Foot Ulcers: Comparative Effectiveness of Two Matrices Products—A Randomized Controlled Trial
Alejandro Zulbaran-Rojas, MD ●
Jeffrey Ross, DPM, MD
Brian Lepow, DPM
Bijan Najafi, PhD

129. Effectiveness of Daily Home Electrical Stimulation as an Adjunctive Therapy to Accelerate Wound Healing in People with Diabetic Foot Ulcer—A Double-Blinded Randomized Control Trial
Alejandro Zulbaran-Rojas, MD ●
Catherine Park, PhD
Brian Lepow, DPM
Bijan Najafi, PhD

130. Effectiveness of Lower Extremity Electrical Stimulation to Improve Skin Perfusion
Alejandro Zulbaran-Rojas, MD ●
Catherine Park, PhD
Brian Lepow, DPM
Bijan Najafi, PhD

131. Frequency of Terbinafine Drug Resistance in Trichophyton rubrum and T. mentagrophytes in US Onychomycotic Samples
Wayne Bakotic, DO ●
Kiran Mandanahally, PhD
Liquan Yang, PhD
Rama Murthy Sakamuri, PhD
Stefan M. Bundy
Sara M. Gorman, MS
William Scherer, DPM
Laurence McCarthy, PhD

132. Peroneus Tertius: A Review of its Evolution, Variability, and Clinical Significance
Mathew Wedel, PhD ●
Adrienne Estes, DPM
Kaelen Kay
133. **A Phase I/IIa, Randomized, Double-Blind, Vehicle-Controlled Study of HXP124, a Novel Topical Treatment, in Patients with Onychomycosis**
Nicole L. Van der Weerden, PhD ●
Yolanda L. Gaspar, PhD
Marilyn A. Anderson, PhD
Audrey Xie, BPodM
Peter Schrader
Michael L. Aldridge
Peter J. Welburn, PhD

134. **The Power of TWO2: Real World Evidence of the Long-Term Healing and Health Benefits of Cyclical Pressurized Topical Wound Oxygen Therapy in Diabetic Foot Ulcerations**
Matthew G. Garoufalis, DPM ●
Aliza M. Lee, DPM, MS

135. **Salvage First Metatarsophalangeal Joint Fusion with 3D-Printed Implant for Osseous Defects: A Case Series**
Lance Johnson, DPM ●
Paul Leatham, DPM
Coleman Clougherty, DPM, MA
Peter Highlander, DPM, MS

136. **Topical Treatments for Pediatric Toenail Onychomycosis: Overview of Efficacy in Three Clinical Trials**
Richard Scher, MD ●
Tracey Vlahovic, DPM
Linda Stein Gold, MD
Warren Joseph, DPM
Aditya K. Gupta, MD, PhD
Shari R. Lipner, MD, PhD
Lawrence Eichenfield, MD
Phoebe Rich, MD
Eric Guenin, PharmD, PhD, MPH

137. **Using a Multimodal Hygiene-Focused Approach to Management of Chronic Wounds of the Lower Extremity Utilizing HOCl and a Bioresorbable Antimicrobial Nanoparticle Matrix**
James B. McGuire, DPM, PT, CPed ●
Ebony Love, DPM
Preeti Kumrah, MS
Jinal Parikh
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