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#### **Oral Abstracts**

#### Avoiding the Deep Plantar Arterial Arch in Transmetatarsal Amputations: A Cadaver Study

James H. Whelan, DPM† Caroline Kiser, DPM John Lazoritz, DPM

#### Relationship Between pH Shifts and Rate of Healing in Chronic Non-Healing Venous Stasis Lower Extremity Wounds

Arthur Tarricone, DPM, MPH‡ Karla De La Mata Samantha Landau, DPM Ronald Soave, DPM

## The Role of Home-Based Thermal Imaging Devices in Preventing Diabetic Foot Ulcers

Than Thao Thuy Nguyen‡ Sherwin Shaju, DPM Nhi Le Mujtaba Qureshi Nelson Negron Anthony Iorio, DPM

## Conservative Versus Surgical Management of Fifth Metatarsal Diaphyseal Fractures: A Retrospective Review

Marc D. Jones, DPM† Kerry Sweet, DPM

#### Association Between Hemoglobin A1c, Vitamin C, and Microbiome in Diabetic Foot Ulcers, Intact Diabetic Skin, and Intact Non-Diabetic Skin

Khanh Phuong Tong‡ Stefan Green, PhD Jacquelyn Ortiz, CCRP, PMAC, CMA Stephanie Wu, DPM

#### Validation of the Foot and Ankle Outcome Score for Use in Infracalcaneal Heel Pain

Alisha P. Joshi‡ Christopher Collazo, DPM Erin Klein, DPM, MS Lowell Weil Jr., DPM, MBA Adam E. Fleischer, DPM, MPH

#### **Poster Abstracts**

#### Large Case Study/Series

 A Literature Review Exploring the Use of Botulinum Toxin A Injection Therapy for Chronic Exertional Compartment Syndrome Treatment

Ebony Love, DPM†
Michelle Garcia, DPM, MS
Ziad Labbad, DPM, MD, CPed

- A Prospective Longitudinal Analysis into the Development and Progression of Structural First Metatarsal-Phalangeal Joint Pathology: Pilot Data of an Initiated 50-Year Investigation Andrew J. Meyr. DPM†
- 3. Association and Trends of Current
  Prevention Guidelines in Reducing
  Hospitalizations for People with Diabetes

Rachel H. Albright, DPM, MPH† Adam E. Fleischer, DPM, MPH

 Association Between Medial Artery Calcification on Outcomes of Infrageniculate Revascularization with Diabetic Foot Tissue Loss

Lawrence Oresanya, MD† Jennifer A. Skolni, DPM Matthew Cunningham-Hill, MD Andrew J. Meyr, DPM

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## 5. The Effect of a Hurricane on Limb Preservation in the US

Todd Hasenstein, DPMt Sara Mateen, DPM Andrew J. Meyr, DPM

#### 6. The Oral Systemic Myth

Elizabeth A. Sanders, DPM† Katrina M. Sanders, RDH

#### Plain Radiograph Utilization for Diabetic Foot Ulcer Surveillance: A Survey Analysis with Respect to Practice Experience

Chia-Ding Shih, DPM, MPH, MAt Tiffany Tram Tran Andrew R. Bohm, PhD Dyane E. Tower, DPM, MPH, MS

## 8. Towards an Objective Definition of First Ray "Hypermobility"

Andrew J. Meyr, DPM† Christopher Berkelbach Christopher Dreikorn Thomas Arena

#### Resident

#### A 50-Year Bibliometric Inquiry of Charcot Neuroarthropathy

Matthew Dougherty, DPM‡ Kwasi Y. Kwaadu, DPM Andrew J. Meyr, DPM

#### A Novel ORIF Technique for Displaced and Angulated Metatarsal Neck Fractures Utilizing an IM Nail

Anthony Brutico, DPM‡

## 11. A Novel Surgical Approach to the Correction of Rigid Hammertoe Deformity in a Patient with Diabetes and Dorsal Digital Ulcerations

Adi Pajazetovic, DPM‡ Dylan Kaumaya, DPM Amanda Figliuzzi, DPM David C. Hatch Jr., DPM

#### 12. A Systematic Review of First Metatarsal-Phalangeal Joint Arthrodesis Union with Locking and Non-Locking Plate Technology

Spruha Magodia, DPM‡ Matthew Dougherty, DPM Laura E. Sansosti, DPM Andrew J. Meyr, DPM

#### 13. Amputation Outcomes of Forefoot Osteomyelitis in a Hospital Setting with No MRI Availability

Huzefa Sakerwalla, DPM‡

## 14. Analysis of Hardware Removal Rates Following 1st Metatarsal Phalangeal Joint Arthrodesis

William Wolfe, DPM‡
Bryan Camp, DPM
Patrick A. DeHeer, DPM

### 15. Anterior Tarsal Tunnel Syndrome: A Rare Cause of Dorsal Foot Pain

Yilma Kebelo, DPM‡ Meghan Susek, DPM

### 16. Arterial Anomaly: An Anatomic Variant of the Peroneal Artery in the Leg

Parth Patel, DPM‡
Adi Pajazetovic, DPM
Amanda Figliuzzi, DPM
Dylan Kaumaya, DPM
Matthew Namanny, DO
David C. Hatch Jr., DPM

#### 17. Attrition in Podiatric Residency Training

Spruha Magodia, DPM‡ Andrew J. Meyr, DPM

## 18. Biomechanics Integrated Visual Algorithm for Lower Extremity Wound Care

Shazad A. Buksh, DPM‡ Kathleen Kelly, MD

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#### 19. Compression Staple Complications

Shazad A. Buksh, DPM‡ William J. Sarchino, DPM

### 20. Desyndactilization Utilizing Full Thickness Autogenous Grafts

Samantha A. Miner, DPM‡
John Constantino, DPM
Emily A. Cook, DPM, MPH, CPH

### 21. Early Outcomes with the CADENCE Total Ankle Prosthesis

Calvin J. Rushing, DPM‡

#### 22. End-to-Side Nerve Transfer for Management of Chronic Anterior Leg Compartment Muscle Weakness

Lisa M. Harrison, DPM‡
Yen N. Tran, DPM
Shawn Christopher Ward, DPM

#### 23. External Fixation for Treatment of Unstable Ankle Fracture in an Elderly with Comorbidities: A Case Report

Andres L. Caneva, DPM‡ Yen N. Tran, DPM

## 24. Failed HAV Surgery Secondary to Metatarsus Adductus Leading to Degenerative Joint Disease and Lisfranc Positional Arthrodesis

Sangho Kim, DPM‡ Rick J. Delmonte, DPM Lenny Nguyen, DPM

## 25. Gas-Producing Infections in the Foot at a Large Academic Medical Center: A 10-Year Retrospective Review

John A. Martucci, DPM‡ Kevin Riemer, DPM

### 26. Great Toe Charcot Neuroarthropathy: A Case Report

Assal Nour, DPM‡ Ellianne M. Nasser, DPM

## 27. Hallux Flexion Deformity and Entrapment of Flexor Hallucis Longus Tendon after Open Reduction Internal Fixation of Ankle Fracture

Gina H. Nalbandian, DPM‡ Dickran H. Nalbandian Molly Hulbert Sara Shirazi, DPM Alfred J. Phillips, DPM

# 28. Incidence of First Metatarsophalangeal Joint Arthrodesis following First Metatarsophalangeal Joint Cheilectomy with Decompression Osteotomy in Treatment of Hallux Limitus/Rigidus as based on Functional, Radiographic, and Patient Satisfaction Outcomes: A Retrospective Study

Alina Kogan, DPM‡ John Shields, DPM

#### 29. Intraoperative Evaluation of Soft Tissue Viability in Limb Salvage Using Indocyanine Green Angiography: A Case Series

Amanda Figliuzzi, DPM‡ Adi Pajazetovic, DPM Dylan Kaumaya, DPM David C. Hatch Jr., DPM

## 30. Knowledge and Perception of Vascular Medicine Among Podiatric Medical Students

Sara Mateen, DPM‡ Todd Hasenstein, DPM Andrew J. Meyr, DPM

## 31. Lapidus Bunionectomy With Immediate Weightbearing: A Case Series

Karina G. Tavakalyan, DPM‡ Rachna Bangdiwala, DPM Lady DeJesus, DPM

- † Primary Author
- ‡ Primary Student or Resident Author

## 32. Masquelet Technique for Treatment of Segmental Bone Loss Following Bunion Correction Complicated by Osteomyelitis

Sara Shirazi, DPM‡ Gina H. Nalbandian, DPM Alfred J. Phillips, DPM

33. Modified Caprini Risk Assessment for Venous Thromboembolism Prophylaxis in Elective Foot and Ankle Surgery

> Kelsey J. Millonig, DPM, MPH‡ Lindsey Hjelm, DPM Rachel E. Egdorf, DPM Byron Hutchinson, DPM Craig Clifford, DPM, MHA

34. Nailed It: A Single Center Retrospective Review of Simplified Post Nail-Procedure Protocols

Dylan Kaumaya, DPM‡ Adi Pajazetovic, DPM Amanda Figliuzzi, DPM David C. Hatch Jr., DPM

35. Open Irreducible Hallux Interphalangeal Joint Dislocation: A Case Report and Algorithm for Operative and Non-Operative Intervention

Cassandre Charles, DPM‡ Kalin Fisher, MD Jacob Wynes, DPM, MS

36. Podiatric Warning Signs of Potential External Iliac Artery Dissection

Alison J. Bell, DPM, MPH, MS‡

37. Postoperative Narcotic Prescribing Practices following Foot and Ankle Surgery

Brandon M. Brooks, DPM‡
Rachel H. Albright, DPM, MPH
Adam E. Fleischer, DPM, MPH
Robert G. Smith, DPM, MSc, RPh
Bradley M. Brooks, DO
Brady M. Brooks

38. Quantification of the Pre-Achilles (Kagers) Fat Triangle

Shazad A. Buksh, DPM‡ James Keenan, MD

 Rare Cavernous Hemangioma in an Unstable Ankle Syndesmosis with Neglected Fibular Fracture

> Brandon A. Rogers, DPM‡ Kelly J. Rogers, DPM Joseph Larsen, DPM Adam Cirlincione, DPM

40. Revision of a Malaligned Ankle
Arthrodesis Utilizing a Dorsiflexory
Osteotomy

Carlyn M. Hinish, DPM‡ Andrew Cohen, DPM

41. Standard of Care of Suggested
Opioid Management: Pain Outcomes
After Surgical Correction for Bunion
Deformities Utilizing the Lapidus
Procedure

Morgan A. Baxter, DPM‡
Martha D. Klingbeil, DPM
Kimberlee B. Hobizal, DPM, MHA
Tresa Wize, DPM

42. Surgical Excision of Calcified Neoplasm in Pediatric Patient

Craig Scanland, DPM‡ Elaine O'Donnell, DPM

43. Survey of Symptomatic Bone Marrow Lesions Within the Foot and Ankle

Maxwell M. Hayden, DPM‡ Nathan Mauren, DPM Michael Corcoran, DPM Brandon Gumbiner, DPM

- † Primary Author
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## 44. The Effect of Metatarsal Parabola Structure on Transmetatarsal Amputation Failure

Patrick Bik, DPM‡ Katrin Heineman, DPM Laura E. Sansosti, DPM Andrew J. Meyr, DPM

45. The Effects of Extracorporeal Shockwave Therapy on Lesser Metatarsophalangeal Joint Metatarsalgia and Capsulitis Pain

> Elizabeth Ansert, DPM, MBA, MA‡ Benjamin Saviet, DPM

46. The Financial Implications of Podiatric Foot and Ankle Fellowship: Is Another Year Worth It?

Calvin J. Rushing, DPM‡

47. The INFINITY Total Ankle Prosthesis:
Outcomes at Short-Term Follow-Up

Calvin J. Rushing, DPM‡

48. Treatment of Unstable Ankle Fractures in Non-Community Ambulators Utilizing Intramedullary Fixation: A Case Report

Nathan Mauren, DPM‡ Maxwell Hayden, DPM Brandon Gumbiner, DPM

49. Ultrasound Guided Percutaneous Plantar Fascia Release for Plantar Hallux Ulcer

Blake Hale, DPM‡
David Millward, DPM

Unique Case Report: Intermediate
 Follow-Up of a Single Patient with
 Bilateral Reconstruction Following
 Charcot Arthropathy and Avascular
 Necrosis of the Talus

Kanika Kochhar, DPM‡ Saima Sardar, DPM Brandon Gumbiner. DPM 51. Using Thermal Imaging Cameras to Track
Treatment of Both Acute and Chronic
Lower Extremity Wounds

Lauren Kerr, DPM‡ Rachel E. Egdorf, DPM Benjamin Palmer, DPM

52. Utility of Esterified Hyaluronic Acid in the Management of Achilles Dehiscence in a High Risk Patient Population

Shirley S. Chen, DPM‡ Nicole K. Cates, DPM Jacob Wynes, DPM, MS

53. When to Consider Primary Amputation
Versus Limb Salvage in a Traumatic Open
Ankle Fracture

Michael D. Paula, DPM‡ Siavash Rostami, DPM Victoria Knauf, DPM Jaime A. Carbonell, DPM

#### Single Case Study or Small Case/Series

54. A Case Series: TTC Arthrodesis with the Aid of a Hexapod Fixator for the Treatment of Limb Deformity Secondary to Subacute Neuropathic Ankle Trauma

Paul C. LaFata, DPM† Peter E. Smith, DPM

55. Ankle Arthrodiastasis in the Treatment of Acute Ankle Fractures

Elizabeth A. Sanders, DPMt Jurgen H. Fernandez, DPM Mark J. Mendeszoon, DPM Vitaly Naritsyn, MD

56. Chinese Foot Binding: A Case Analysis of Biomechanical and Radiographic Pathology and Implications

Christina Pratt, DPM† Jian Zeng Wei Dong

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## 57. Combined Peroneal Tendon Injury with Peroneus Longus Interposition: A Case Report

Christina Pratt, DPM†
Deepali Darji, DPM
Eric Beaujon
Natalie Spicer
Hamidat Momoh

58. Creation of a Mock Operating Room
Environment for Assessment of
Orthopaedic Resident Surgical Skills:A
Starting Point Toward the Development
of Deliberate Practice

Stephen J. Merena, DPM† Andrew Kaplan, MD Lara Stone, DPM Mark Charlson, MD James Michelson, MD Elizabeth Ames, MD

59. Decreasing Postoperative Complication Rates of Primarily Closed Diabetic Wounds in High Risk Diabetic Foot Infections with Implantation of Collagen Sponges Impregnated with Gentamicin: A Prospective Comparative Study

Alex McKanna, DPM†

60. Hemi-Soleus Muscle Flap Transposition with Subsequent Hematoma Abscess Formation

Mark Razzante, DPMt Deana Lewis Sukhbir Sandhar Lauren Schnack, DPM

61. Lower Extremity Crush Injuries From a Level 1 Trauma Center; Management and Outcomes of 4 Case Reports

> Timothy C. Ford, DPMt Mark J. Capuzzi, DPM William O. McGlone, DPM Tonda Silva. DPM

62. Overview of Diabetic Neuropathy and Review of the FDA-Approved Oral Therapies

> Ebony Love, DPM† Michelle Garcia, DPM, MS Ziad Labbad, DPM, MD

63. Pediatric Talar Dome Fracture Repaired via Arthroscopic Assisted Open Reduction with Internal Fixation after Failed Conservative Treatment

Mark Razzante, DPM† Yasmin Radzi

64. Porous Titanium Wedges are an Acceptable Alternative in Flexible Flatfoot Correction

Louis J. Ciliberti Jr., DPM, MS† Christopher R. Fung, DPM, MS

65. Radiographic Analysis of the Isolated
Talonavicular Arthrodesis in the
Treatment of Pediatric Pes Valgus
Deformities

Rizción B. Dagani, DPM, MBA† Andrea D. Cass, DPM José M. Gonzalez, DPM

66. Revision of a Chronic Achilles Wound Secondary to Suture Bridge Rejection with Acute on Chronic Infection using Negative Pressure Wound Therapy and Human Skin Allograft

Peter E. Smith, DPM†

67. Utilization of a Cryopreserved Amniotic Membrane and the Wound Vac Weave Technique in an Acute Traumatic Injury

> Rizción B. Dagani, DPM, MBA† Allen Raphael, DPM

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#### Student

#### 68. A Step into the Talus: A Look at Talar Dimensions using Three-Dimensional Rendering

Anita Misra‡

Meredith Sappington

Luis Rodriguez Anaya, DPM

Daniel Cawley

## 69. Activity Tracking Monitors: Accuracy Comparison and Suitability for Diabetic Population

Lauren Michels, MS‡

Ahanth Vedantham

Raj Patel

Nicholas Beci, MS

Sai Yalla, PhD

Stephanie Wu, DPM

## 70. An Anatomical Description of the Lateral Column in the Context of Charcot Midfoot Collapse

Taylor M. Hale‡

Collin Pehde, DPM

John Bennett, DPM

Rachel Dunn, PhD

## 71. Application and Efficacy of a Modified Low-Dye Taping Technique in the Treatment of Podiatric Conditions

Alisha P. Joshi‡

Zackary Clor

Lauren Michels, MA

Charles Kind

Kayln Jones

Neil Horsley, DPM, MS

## 72. Assessment of the Contralateral Asymptomatic Foot in Unilateral Plantar Fasciitis as a Control Group: A Systematic Review and Meta-Analysis

Tiffany M. Tran‡

Juniper Yue

Jannani Krishnan

Komal Saini

Andrew Bohm, PhD

Chia-Ding Shih, DPM, MPH, MA

## 73. Clinical and Laboratory Measurement of the Plantar Intrinsic Foot Muscle Strength

Avery Mason‡

Ashley Grant

Robert Yoho, DPM, MS

Vassilios Vardaxis, PhD

David Stapleton

## 74. Distal Lower Extremity Manifestations in Spina Bifida Patients of the Yucatan Peninsula: A 24-Year Retrospective Case Series

Alexandra Heidtmann Nobre‡ Lahari Reddy Madulapally, MA Luis Rodriguez Anaya, DPM Daniel Cawley

#### 75. Effect of High Dose Steroids from LMA Complication in the Surgical Management of Diabetic Charcot

Brennan Reardon‡ Christina Pratt, DPM Lauren Schnack, DPM Hannah Mayo

Paris Payton, DPM

### 76. Effects of Pentoxyfylline on Healing Times in Diabetic Foot Ulcers

Zackary Clor‡

Katie Landry, DC

Derek Talbot, DC

Adam E. Fleischer, DPM, MPH

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### 77. Evaluation of Offloading Footwear Options' Impact Upon User Stability

Katherine Samuelson‡ Noah Rosenblatt, PhD Stephanie Wu, DPM, MSc Ryan Crews, MS, CCRP

## 78. Foot Intrinsic Muscle Morphological Characteristics in Weight Bearing Using Ultrasound

Ashley Spacek‡ Avery Mason Robert Yoho, DPM, MS David Stapleton

Panagiotis Chatzistergos Meng, PhD, MSc Vassilios Vardaxis. PhD

#### Identification of Biomarkers for Prediction of Wound Healing in Diabetic Foot Ulcers

Nicole S. Delino‡ Keith D. Philibert, MS Xiaomeng Shao Charlie Yang, PhD Jacque Ortiz, CCRP, PMAC Stephanie Wu, DPM, MSc Marc J. Glucksman, PhD

## 80. Implementation of a Dedicated Treatment Algorithm to Prevent, Diagnose, and Treat Lower Extremity Hematomas will Improve Patient Outcomes

Sarah E. Chmielewski‡ Windy Cole, DPM Stacey B. Coe, CCRP

## 81. Peroneocalcaneas Muscle and Other Anomalous Variants in the Lateral Compartment of the Lower Extremity: A Cadaveric Case Report

Alexander M. Kramer‡ Ashley A. Schneider Lindsey N. Bustos Dy Chin, MS Jarrod Shapiro, DPM Mathew J. Wedel. PhD

#### 82. Pre-Procedural Risk Assessment for Patients Undergoing Podiatric Surgical Procedures Requiring Moderate-to-Deep Anesthesia

Robin Tsai‡ Michael Koscielniak, MS Karen O'Mara, DO, MA Peter J. Kallio, DNP, CRNA, APNP Stephanie Wu, DPM, MSc

#### 83. Pulmonary Embolism Following Superior Peroneal Retinaculum Repair

Timothy P. Cheung, MS, CPT‡ Dusty Waltz Khanh Phuong Tong Chase Kiefer Katherine Samuelson

Jordan Larson Diana E. Rogers, DPM

David Warciak

## 84. Radiographic Evaluation of 1st Metatarsophalangeal Joint Implants in a Veterans Affairs Facility: A Case Series

Rabeea Abbas‡ Steven W. Shader Nida K. Nawaz, DPM Audrey Alvarez, DPM Geoffrey R. Linn, DPM Kerry Sweet, DPM

### 85. Real Time Visual Feedback for Gait Retraining

Raj Piyush Patel‡

Sai Yalla, PhD

Lauren Michels, MS

Stephanie Wu, DPM, MSc

Nikita Grama

Gabby Gutierrez

### 86. Recurrence of a Plantar Epidermal Inclusion Cyst

Sriya Babu‡

Samuel A. Mason

Jacqueline S. Buchman, DPM

## 87. Surgical Management of Charcot Neuroarthropathy Foot Deformity Prior to Long-Term Management of End-Stage Renal Disease

Khanh Phuong Tong‡

Diana Ngo

Shajira Mohammed

Anooshay Naveed

Marwa Maaita

Ryan Rodela, DPM

Martin Yorath, DPM

Stephanie Wu, DPM, MSc

## 88. The Effect of Foot Flexibility and Foot Arch Type on Pressure Distribution Around the Fifth Metatarsal and the Relationship to the Jones Fracture

Michaela Heys‡

Jasmine Strozier

Robert Yoho, DPM, MS

Vassilios Vardaxis, PhD

**David Stapleton** 

#### 89. The Effect of Increasing Loads on Foot Angles and the Clinical Implications for Lateral Forefoot Fractures

Jasmine J. Strozier‡

Robert Yoho, DPM, MS

Vassilios Vardaxis, PhD

David Stapleton

### 90. The Effects of Arm Mass Manipulation on Reactive Balance in Healthy Young Adults

Sara Gulczynski‡

Noah J. Rosenblatt, PhD

Andrew Syndergaard, MS

Stephanie Wu, DPM, MSc

## 91. The Psychological Effects of Lower Extremity Amputations on Patients with Diabetes

Lindsay M. Short‡

Mujtaba Qureshi

Michael Chang

Anthony Iorio, DPM

## 92. Toe Fillet Flap Wound Closure in a Guillotine Amputation of the 4th Toe in a Complex Diabetic Foot with Vascular Complications

Karishma Patel‡

David Warciak

Trevor Page

Raj Patel

Zackary Clor

Firas Katmeh

David Dummer

Stephanie Wu, DPM, MSc

### 93. Toenail Dust as an Occupational Hazard in Podiatry: A Systematic Review

Komal Saini‡

Melody Khosravi

Jannani Krishnan

Tiffany Tran

Dyane E. Tower, DPM, MPH, MS

Chia-Ding Shih, DPM, MPH, MA

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#### **Industry-Sponsored Abstracts**

94. 10 kHz Spinal Cord Stimulation for Treatment of Painful Diabetic Neuropathy: A Multicenter Randomized Controlled Trial

Erika Petersen, MD†

Thomas Stauss, MD

James Scowcroft, MD

Judith White, MD

Shawn Sills, MD

Kasra Amirdelfan, MD

Maged Guirguis, MD

Jijun Xu, MD, PhD

Cong Yu, MD

Ali Nairizi, MD

Denis Patterson, DO

Vincent Galan, MD

Richard Bundschu, MD

Neel Mehta, MD

Dawood Sayed, MD

Shrivanand Lad, MD, PhD

David DiBenedetto, MD

Khalid Sethi, MD

Paul Wu, MD

Charles Argoff, MD

Christian Nasr, MD

Rod Taylor, PhD, MSc

Elizabeth Brooks, PhD

Jeyakumar Subbaroyan, PhD

Bradford Gliner, MS

David Caraway, MD, PhD

Nagy Mekhail, MD, PhD

95. A Retrospective Clinical Evaluation of the Use of Placental Tissue Matrix in Patients with Chronic Plantar Fasciitis

Jeffrey Loveland, DPM†

96. A Sensitive and Specific qPCR Assay to Detect and Differentiate Infectious Agents Causing Web Space Disorders

Kiran Madanahally, PhDt

97. An Esterified Hyaluronic Acid Matrix
Provides for Wound Healing in Infected
Lower Extremity Wounds with Exposed
Bone and Tendon

William Wolfe, DPM†

98. Effectiveness of Daily Home Electrical Stimulation as an Adjunctive Therapy to Accelerate Wound Healing in People with Diabetic Foot Ulcer—A Double-Blinded Randomized Controlled Trial

Brian Lepow, DPM†

Alejandro Zulbaran, MD

Naima Rodriguez, MA

Hector Elizondo, MD

Akashdeep Singh, DPM

Jeffrey Ross, DPM, MD

Bijan Najafi, PhD, MSc

99. Excellagen-Bovine Type I Collagen Used for Healing Chronic Wounds

Matthew G. Garoufalis, DPM† Katerina Gigorpoulos, DPM

100. Healing Chronic Diabetic Foot Ulcers with Cyclical Pressurized Topical Wound Oxygen Therapy: Results of the Two Multi-National, Multi-Center, Randomized, Double Blinded, Placebo Controlled Trial

> Matthew G. Garoufalis, DPM† Robert G. Frykberg, DPM

101. HTX-011, a Fixed Combination of Bupivacaine and Meloxicam, Does Not Impair Bone Healing or Contribute to Nonsteroidal Anti-Inflammatory Drug-Related Toxicity

Joseph Gimbel, MDt

Richard Pollak, DPM, MS

Chris Storgard, MD

Michelle Ouellette, RN, MSN, FNP

Christopher Bromley, DPM

Susan Y. Smith, MSc

Clynn Wilker, DVM, PhD

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#### 102. Patients Receiving Hyperbaric Oxygen Treatment Have a Lower Complication Rate if Supervised by a Podiatrist

Lee C. Rogers, DPM† Andrew Crisologo, DPM Lawrence A. Lavery, DPM, MPH

## 103. Safety, Pharmacokinetics, and Efficacy of Efinaconazole 10% Topical Solution for the Treatment of Onychomycosis in Pediatric Patients

Tracey C. Vlahovic, DPMt Lawrence F. Eichenfield, MD Boni Elewski, MD Jeffrey L. Sugarman, MD, PhD Ted Rosen, MD Aditya Gupta, MD, PhD Radhakrishnan Pillai, PhD Tina Lin. PharmD

## 104. The Use of Amniotic Wound Matrix in Treating Chronic Non-Healing Foot and Ankle Wounds

Jeffrey Loveland, DPM†