



**American  
College of  
Foot and Ankle  
Surgeons®**

## **ACFAS BASIC LEARNING PATHWAY: Lower Extremity Infection and Limb Preservation**

### **Learning Objectives of this Pathway:**

- Understand the perioperative assessment of lower extremity infection
- Understand diagnostic aspects of lower extremity infection diagnosis
- Develop an understanding of lower extremity infection treatment and outcomes

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### **Day 1:**

#### ACFAS Clinical Sessions:

[Strategies in Wound Coverage](#)

#### Surgical Techniques:

[Diabetic Surgery – Complete Set](#)

#### ACFAS Podcasts:

- [Team Approach to Diabetic Limb Salvage](#)
- [Perioperative Management of the Patient with Renal Disease](#)

#### JFAS Journal Articles - Perioperative Assessment:

- [Wukich et al: Prevalence of Peripheral Arterial Disease in Patient with Diabetic Charcot Neuroathropathy](#)
- [Thorud et al: Mortality After Nontraumatic Major Amputation Among Patients with Diabetes and Peripheral Vascular Disease: A Systematic Review](#)
- [Attinger et al: Preoperative Doppler Assessment for Transmetatarsal Amputation](#)
- [Caballero and Frykberg: Diabetic Foot Infections](#)
- [Lavery et al: Classification of Diabetic Foot Wounds](#)
- [Armstrong et al: Leukocytosis is a Poor Indicator of Acute Osteomyelitis of the Foot in Diabetes Mellitus](#)
- [Frykberg et al: Diabetic Foot Disorders: A Clinical Practice Guideline \(2006 Revision\)](#)
- [Raspovic and Wukich: Self-Reported Quality of Life and Diabetic Foot Infections](#)
- [Yong et al: The Durability of the Semmes-Weinstein 5.0 Monofilament](#)

#### JFAS Journal Articles - Diagnosis:

- [Lavery et al: Are We Misdiagnosing Diabetic Foot Osteomyelitis? Is the Gold Standard Gold?](#)
- [Sybenga et al: Diagnosing Osteomyelitis: A Histology Guide for Pathologists](#)

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*The ACFAS learning pathways are a tool to be used by residency directors, fellowship directors and school faculty to aid with didactic learning during the COVID-19 crisis. They are not intended to replace a curriculum, but to supplement student and resident education during this time of need.*

*The learning pathways are divided into basic, intermediate, and advanced categories.*

*Pathways have been organized into specific topics that have a variety of educational materials from the ACFAS On Demand course content. They also include journal articles with links primarily from the Journal of Foot and Ankle Surgery (JFAS).*

- [Meyr et al: Statistical Reliability of Bone Biopsy for the Diagnosis of Diabetic Foot Osteomyelitis](#)
- [Lavery et al. Diagnostic Utility of Erythrocyte Sedimentation Rate and C-Reactive Protein in Osteomyelitis of the Foot in Persons without Diabetes](#)
- [Meyr et al: Level of Agreement with a Multi-Test Approach to the Diagnosis of Diabetic Foot Osteomyelitis](#)
- [Ryan et al: Do SIRS Criteria Predict Clinical Outcomes in Diabetic Skin and Soft Tissue Infections?](#)
- [Fujii et al: Efficacy of Magnetic Resonance Imaging in Diagnosing Diabetic Foot Osteomyelitis in the Presence of Ischemia](#)

**JFAS Journal Articles - Treatment:**

- [Lipsky et al: Utility of culturing marginal bone in patients undergoing lower limb amputation for infection](#)
- [Cates et al: The Vertical Contour Calcanectomy, an Alternative Approach to Surgical Heel Ulcers: A Case Series](#)
- [Thorud et al: Reoperative and Reamputation after Transmetatarsal Amputation: A Systematic Review and Meta-Analysis](#)
- [Boffeli et al: Incidence and Clinical Significance of Heterotopic Ossification after Partial Ray Resection](#)
- [Bonanno and Gillies: Flexor Tenotomy Improves Healing and Prevention of Diabetes-Related Toe Ulcers: A Systematic Review](#)
- [Armstrong et al: Is Prophylactic Diabetic Foot Surgery Dangerous?](#)
- [Fleischer et al: Post-Treatment Leukocytosis Predicts an Unfavorable Clinical Response in Patient with Moderate to Severe Diabetic Foot Infections](#)
- [Nerone et al: Reamputation after Minor Foot Amputation in Diabetic Patients: Risk Factors Leading to Limb Loss](#)
- [Borkosky and Roukis: Incidence of Repeat Amputation after Partial First Ray Amputation Associated with Diabetes Mellitus and Peripheral Neuropathy: An 11-Year Review](#)

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