Foot Care and the Diabetic Patient

Anthony Decuir, Jr., DPM
Foot & Ankle Institute
Baton Rouge, Louisiana





Prevention!!!











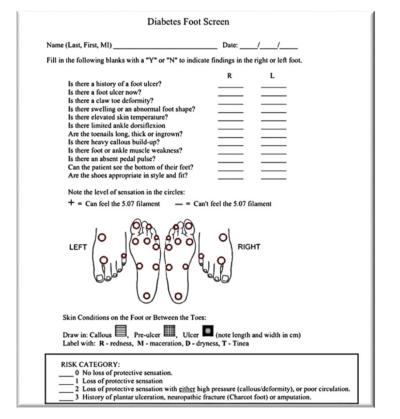




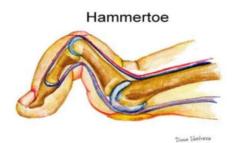




Risk Assessment











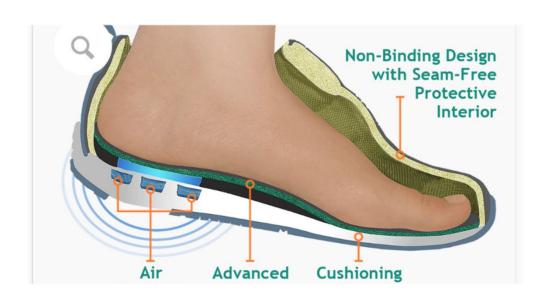


Diabetic Foot Assessment

- Accommodative Shoegear depth-inlay shoegear
- Orthotic Insoles offloading pressure points
- Padding pressure reduction
- Stretching improve range of motion
- Shoe Gear Modification evaluation
- Surgical Intervention to reduce digital deformities











The Wagner Diabetic Foot Ulcer Grade Classification System

The Wagner diabetic foot ulcer classification system assesses ulcer depth and the presence of osteomyelitis or gangrene by using the following grades:

- Grade 0 intact Skin
- Grade 1 superficial ulcer of skin or subcutaneous tissue
- Grade 2 ulcers extend into tendon, bone, or capsule
- Grade 3 deep ulcer with osteomyelitis, or abscess
- Grade 4 partial foot gangrene
- Grade 5 whole foot gangrene

Note: While the wound shown in the above image may appear to be a grade 3 ulcer, upon assessment no abscess or osteomyelitis was found. Beneath the superficial necrotic tissue was exposed tendon.

The University of Texas Diabetic Foot Ulcer Classification System

'he University of Texas system grades diabetic foot ulcers by depth and then stages them by the resence or absence of infection and ischemia:

- Grade 0 pre-or postulcerative site that has healed
- Grade 1 superficial wound not involving tendon, capsule, or bone
- Grade 2 wound penetrating to tendon or capsule
- Grade 3 wound penetrating bone or joint

Vithin each wound grade there are four stages:

- Stage A clean wounds
- Stage B non-ischemic infected wounds
- Stage C ischemic noninfected wounds
- Stage D ischemic infected wounds

A comparison of two diabetic foot ulcer classification systems: the Wagner and the University of Texas wound classification systems

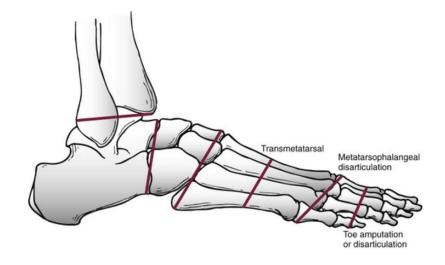
S O Oyibo et al. Diabetes Care. 2001 Jan.



Abstract

Objective: In this study the following two ulcer classification systems were applied to new foot ulcers to compare them as predictors of outcome: the Wagner (grade) and the University of Texas (LT) (grade and stage) wound classification systems.

Research design and methods: Ulcer size, appearance, clinical evidence of infection, ischemia, and neuropathy at presentation were recorded, and patients were followed up until healing or for 6 months.



Conclusions: Increasing stage, regardless of grade, is associated with increased risk of amputation and prolonged ulcer healing time. The UT system's inclusion of stage makes it a better predictor of outcome.







Enter Keyword Search

Menu 🗸

International Journal of Diabetology & Vascular Disease Research (IJDVR) » IJDVR-2328-353X-04-501

The Risk of Subsequent Amputation Following An Initial Lower Extremity Amputation: A Systematic Review

Wong CK1*, Stern JR², Rick F D'Andrea Jr³, Loven SL³, Panjaki S⁴, See AS³, Spindler SJ³, Yerovinkina M³, Nowygrod R²

- 1 Department of Rehabilitation and Regenerative Medicine, Columbia University Medical Center, Neurological Institute, New York, NY, USA.
- 2 Department of Surgery, New York Presbyterian Hospital, Herbert Irving Pavilion. New York. NY. USA.
- 3 Program in Physical Therapy, Columbia University, Neurological Institute, NY, USA.

*Corresponding Author

Christopher Kevin Wong, PT, PhD,

Department of Rehabilitation and Regenerative Medicine,

Columbia University Medical Center, 710 West 168th Street, Neurological Institute 8-822, New York, NY, USA.

Tel: 01-212-305-3781/ 01-914-738-9276

Fax: 01-212-305-4569

E-mail: ckw7@cumc.columbia.edu

Received: July 27, 2016; Accepted: October 26, 2016; Published: October 27, 2016

Citation: Wong CK, Stern JR, Rick F D'Andrea Jr, Loven SL, Panjaki S, et al., (2016) The Risk of Subsequent Amputation Following An Initial Lower Extremity Amputation: A Systematic Review. Int J Diabetol Vasc Dis Res., 4(5), 171-177. doi: dx.doi.org/10.1907/0/2328-353X-1600036

Copyright: Wong CK © 2016. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution and reproduction in any medium, provided the original author and source are credited.



Comparative Study

Fate of the contralateral limb after lower extremity amputation

Julia D Glaser et al. J Vasc Surg. 2013 Dec.

Free PMC article



Abstract

Objective: Lower extremity amputation is often performed in patients where both lower extremities are at risk due to peripheral arterial disease or diabetes, yet the proportion of patients who progress to amputation of their contralateral limb is not well defined. We sought to determine the rate of subsequent amputation on both the ipsilateral and contralateral lower extremities following initial amputation.

Risk of reamputation in diabetic patients stratified by limb and level of amputation: a 10-year observation.

Diabetes Care. 2006; 29(3):566-70 (ISSN: 0149-5992)

Izumi Y; Satterfield K; Lee S; Harkless LB





Questions?



