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PODartis® Research:

Effectiveness of Removable Walker Cast Versus Nonremovable Fiberglass Off-Bearing Cast in the Healing of Diabetic Plantar Foot Ulcer

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DiabetesCare

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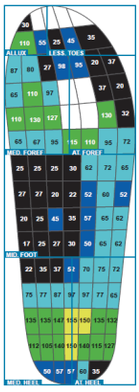
AIM OF THE STUDY	Evaluate the efficacy of removable cast walker compared with the Gold Standard nonremovable fiberglass offloading cast in the treatment of diabetic plantar foot ulcer. Efficacy of a removable walker cast STABIL D® Podartis compared with a non-removable offloading TCC cast in the healing of diabetic plantar foot ulcers.
STUDY	45 adult diabetic patients with non-ischemic, non-infected neuropathic plantar ulcer were randomized to treatment with a non-removable fiberglass off-bearing cast (TCC group) or walker cast (STABIL D® Podartis group). Treatment duration was 90 days. Percent reduction in ulcer surface area and total healing rates were evaluated after treatment.
RESULTS	A total of 48 patients were screened; however, 2 patients in the TCC group and one in the STABIL D® Podartis group did not complete the study and were considered dropouts. There were no significant differences in demographic and clinic characteristics of the 45 patients completing the study. **17 patients (73.9%) in the TCC group and 16 patients (72.7%) in the STABIL D® Podartis group achieved healing.**
CONCLUSIONS	**The STABIL D® Podartis as removable walker cast, is more recommended with respect to TCC with neuropathic ulcers and ischemic ulcers.**



(*) Lab NOVEL
(February 2007) comparison between Podartis offloading shoes and other USA and European offloading shoes (www.podartis.it)

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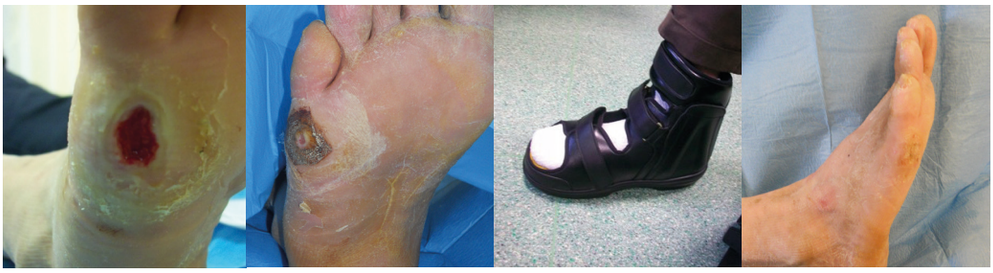
Patient 1

Male, age 56, affected by Diabetes mellitus type 2 (know since 5 years) and currently under insulin therapy, with distal symmetrical sensorymotor neuropathy and arterial hypertension but no history of CHD. The patient shows neuropathic ulcer (degree 1A - TUC) on 5th metatarsal head, griffe toes and the 5th toe varus, with atrophy of muscles between the bones.
The patient has been treated with foot ankle walker **STABIL D® Podartis** with a custom made orthotics to offload the ulcers. The ulcer healed.



1 2 3

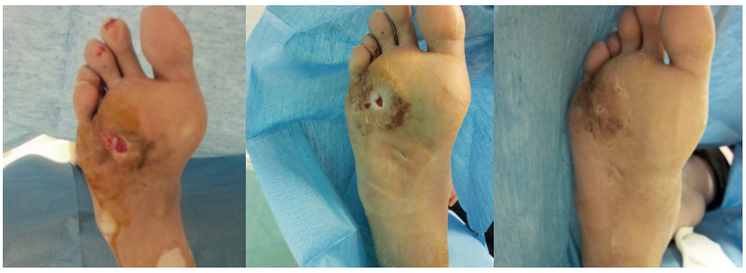
1 - *before the treatment*

2 - *The patient treated with STABIL D® Podartis and custom made orthotics*

3 - *The ulcer healed*

Patient 2

Male, age 66, affected by Diabetes mellitus type 2 (know since 2000) and currently under insulin therapy, with distal symmetrical sensorymotor neuropathy, diabetic retinopathy, arterial hypertension, obesity.
The patient shows neuropathic ulcer (degree 1A - TUC) on the 4th and 5th metatarsal head of the right foot, rigid forefoot and griffe toes. The patient has been treated with foot ankle walker **STABIL D® Podartis** with a custom made orthotics to offload the ulcers. The result was a **significant reduction of the pressures on the forefoot which lead the ulcer to heal. The patient reported a high comfort and stability while walking, especially considering his obesity conditions.**



1 2 3

1 - *before the treatment*

2 - *The patient treated with STABIL D® Podartis and custom made orthotics*

3 - *The ulcer healed*

The STABIL D® as removable walker cast, is more recommended with respect to TCC with neuropathic ulcers and ischemic ulcers.