

A Prospective, Open, Uncontrolled, Non-Randomized, Observational study of Curative Metatarsal Bone Surgery Combined With Intralesional Administration of Rh-Egf in Diabetic Neuropathic Ulceration of the Forefoot

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**Title:** A prospective, open, uncontrolled, non-randomized, observational study of curative metatarsal bone surgery combined with intralesional administration of rh-EGF in diabetic neuropathic ulceration of the forefoot

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## Abstract

**Background:** The curative surgery is done in a foot with ulcers and protective sensation lost, for to obtain the healing and to avoid or exclude the amputation surgery. Evidence shows that diabetic patients have decreased concentrations of growth factors in their tissues, notably epidermal growth factor (EGF). Injecting epidermal growth factor deep into the wound bottom and contours encourages a more effective response in terms of granulation tissue growth and wound closure. **Objective:** To assess the effectiveness and safety of the combination of curative metatarsal bone surgery associated with intralesional administration of rh-EGF in the neuropathic diabetic forefoot ulceration. **Methods:** A phase IV trial was carried out. 231 neuropathic forefoot ulceration in 212 diabetic subjects were selected, with normal physical activity and without minor amputation referred to the Vascular Surgery Service of the Clinic Surgical Hospital

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