

**Publication****A comparative study of two methods of surgical treatment for painful neuroma****JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)****ID** 1196717**Author(s)** Balcin, H; Erba, P; Wettstein, R; Schaefer, D J; Pierer, G; Kalbermatten, D F**Author(s) at UniBasel** [Schaefer, Dirk Johannes](#) ; [Kalbermatten, Daniel F.](#) ;**Year** 2009**Title** A comparative study of two methods of surgical treatment for painful neuroma**Journal** The journal of bone and joint surgery : JBJS**Volume** 91**Number** 6**Pages / Article-Number** 803-8

Painful neuromas may follow traumatic nerve injury. We carried out a double-blind controlled trial in which patients with a painful neuroma of the lower limb (n = 20) were randomly assigned to treatment by resection of the neuroma and translocation of the proximal nerve stump into either muscle tissue or an adjacent subcutaneous vein. Translocation into a vein led to reduced intensity of pain as assessed by visual analogue scale (5.8 (SD 2.7) vs 3.8 (SD 2.4); p <0.01), and improved sensory, affective and evaluative dimensions of pain as assessed by the McGill pain score (33 (SD 18) vs 14 (SD 12); p <0.01). This was associated with an increased level of activity (p <0.01) and improved function (p <0.01). Transposition of the nerve stump into an adjacent vein should be preferred to relocation into muscle.

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