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Prospective Study

Early debridement and delayed primary vascularized cover in forearm electrical burns: A prospective study

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Abstract

AIM: To look into the management options of early debridement of the wound, followed by vascularized cover to bring in fresh blood supply to remaining tissue.

METHODS: A total of 16 consecutive patients sustaining full thickness forearm burns over a period of one year were included in the study group. Debridement was undertaken within 48 hours in 13 patients. Three patients were taken for debridement after 48 hours. Debridement was repeated within 2-4 days after daily wound assessment and need for further debridement.

RESULTS: On an average two debridements (range 1-4) was required in our patients for the wound to be ready for definitive cover. Interval between each debridement ranged from 2-18 days. Fourteen patients were provided vascularized cover after final debridement (6 free flaps, 8 pedicled flaps. Functional assessment of gross hand function done at 6 weeks, 2 months, 3 months and 6 months follow up.

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Primary operative management of hand burns

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