

Medial proximal tibia donor site: Contribution to alveolar cleft repair in children

Le prélèvement tibial médioproximal : intérêt dans l'alvéoloplastie secondaire chez l'enfant

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Introduction: Cancellous bone is the best material for alveolar cleft repair (or secondary alveolar cleft repair). It is usually harvested from the iliac bone but morbidity of this donor site is high. Among the other possible donor sites the tibial harvesting procedure seems safe with lower morbidity. The authors assessed the medio-proximal tibial harvesting procedure on a consecutive series of 55 children having undergone secondary alveoloplasty. Patients and method: An individual questionnaire was used to assess retrospectively the intensity and duration of postoperative pain, functional impotence, possible late complications, and scar length. Postoperative tibial in frontal and profile radiographs were used to assess corticotomy diameter, the distance between corticotomy and growth plate, and local complications. Results: The mean patient age was nine years. No complications were reported. Sixty nine percent of patients complained of postoperative pain with an average intensity of f