Treatment of infected non-union of the femur using ilizarov technique

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Abstract
To evaluate the Ilizarov technique (using the ring external fixation and distractional osteogenesis) in management of infected non-union and whether it was effective in curing the infection achieving bone union.

Material and Methods: 30 cases of infected non-union of fractures of the femur were treated by using the Ilizarov technique in El-Helal hospital from June 2000 to October 2002. Results: Hospitalization time averaged 20 days the duration of application of the external fixator averaged 15 months. Duration of follow-up averaged 5 months. Excellent bone results were achieved in 15 of patients, good in 13, fair in 3, and poor in 30. The functional results were excellent in 50, good in 20, fair in 3, and poor in 27.

Keywords: Ilizarov, fractures, femur, non-union, external fixation,