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# COMPARISON OF OUTCOMES BETWEEN NONOPERATIVE TREATMENT AND K-WIRE FIXATION OF CENTRAL METATARSAL FRACTURES

*Abstrak :*

*Introduction. Metatarsal fractures are common injuries, accounting 5-6% of all fractures. Fractures of central metatarsal account for approximately 82% of all foot fractures, and mostly had been treated nonoperative. Treatment of choice is still in controversy. There were instruments for outcome evaluations, this study uses FAAM and FAOS scoring to represent clinical outcome evaluation for patients. Material and Method. Prospective cohort study, 64 patients with central metatarsal fracture were allocated to either nonoperative treatment with short leg cast or tight sole shoes (32 patients) and operative treatment with Kirschner wire fixation intramedullary (32 patients). Evaluation using FAAM and FAOS scoring instrument on 3 months after treatment.Result. The operative group had significantly superior FAAM score of follow-up (p=0,00). FAOS score had no significant differences between nonoperative and operative group of follow up (p=0,231). Conclusion. Operative fixation of central metatarsal fractures resulted in better functional outcome compared to nonoperative treatment at 3 months of follow up. This study support operative treatment for central metatarsal fractures with Kirschner wire fixation in active adult patient.*

*Keyword :*

*Daftar Pustaka :*

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