

Summary

During this study there were 25 cases of hand fractures, with 22 patient ages was between 18-50 years old while other 3 patients were more than 50 years old.

24 cases were males while one case was female, there were 17 cases affected the right hand while other 8 cases had left hand affected.

Most of the affected cases were manual workers, Most of the cases were injured either with fall of heavy object or rotating machine, while one case was injured with firearm injury.

There were 12 cases associated with tendon injuries, 2 cases needed skin graft, while there was one cases associated with neurovascular injury.

All the cases were managed with mini external fixator. Early mobilization of the affected hand was encouraged if the fracture if stable and the status of soft tissue allowed.

There were two cases with delayed union because of the associated soft tissue injuries sustained during the mechanism of injury.

The final range of motion was good in 16 cases, Fair in 6 cases, and poor in 3 cases.

Fair and poor results were more liable with the cases associated with tendon or skin injury.

Complications like pain, infection either superficial, deep, or pin tract, delayed or mal union, sympathetic dystrophy, or even system failure occurred in some cases and managed accordingly.

Most of the patient succeeded to return back to their original jobs except one patient who had changed his type of job.