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Femoral Fracture Configuration and The Implant used for Trauma Cases in Haji Adam Malik General Hospital Medan Indonesia January 2015-December 2016

Ira Juliet Anestessia^{1*}, Chairiandi Siregar²

¹Resident of Orthopaedic & Traumatology Department, Faculty of Medicine, University of Sumatera Utara, Indonesia

²Consultant of Orthopaedic & Traumatology Department, Faculty of Medicine, University of Sumatera Utara, Indonesia

Abstract: Background :Trauma is a neglected source of morbidity and mortality in which caused 65-91% femoral fracture. Femur fracture is the most common cases in orthopedic. The aim of the study was to know the most common configuration's fracture and implant, to be used as the guide for provisional implant. **Methods :**A descriptive study was conducted using 177 medical records of femur fracture patients in Department of Orthopaedic and Traumatology Haji Adam Malik General Hospital Medan from January 2015 to December 2016. The inclusion criteria were medical records containing patient aged more than 12 years old who diagnosed femur fracture due to trauma, sex, cause of fracture, type of fracture and treatment, femur X-ray to locate the site and configuration of fracture and the implant that were used. **Result :**Of 177 cases of femur fracture due to trauma, the most common caused of trauma is motor vehicle accident 127 cases, with the most common configuration of fracture is oblique 87 cases. Of 167 patient who underwent surgery, the largest implant that had been used is plate and screw in 128 cases. **Conclusion :**Femur fractures were mostly happened in middle aged group of man with the most common configuration of fracture is oblique. Plate and screw is still the main implant for fixation of femur fracture.

Keyword :Trauma, femur, implant, configuration.

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