

## BAIL OUT SURGERY FOR DISTAL FEMUR FRACTURE - A CASE REPORT

Mohd Luqman Mazlan<sup>1</sup>, Azlan Mohd Sofian<sup>2</sup>, Wan Faisham Wan Ismail<sup>3</sup>

<sup>1</sup>Hospital Tengku Ampuan Rahimah, <sup>2</sup>Hospital Sungai Buloh, <sup>3</sup>Universiti Sains Malaysia

**Introduction:** Comminuted distal femur fracture is quite common to occur in a patient having a motorvehicle trauma. However complication such as aseptic necrosis of distal femur post fixation should be considered during follow up. Aseptic necrosis of distal femur are associated with substantial disability including pain and decreased knee function<sup>1</sup>. Here I would like to share our experience in managing such patient.

**Discussion:** 45 year old gentleman involved in a motorvehicle accident presented to us with comminuted right distal femur fracture. Intraoperatively noted that patient had comminuted distal femur fracture with bilateral Hoffa fracture, comminuted patella fracture and total avulsion of posterior cruciate ligament. Patient underwent plating of distal femur, screw fixation of Hoffa fragments and screw fixation of the patella During follow up for about 1 year and 7 months post fixation, we notice that patient had reduced range of motion of right knee and shortening of right lower limb. However there is no pain at the affected knee. Patient was able to ambulate independently with crutches. CT scan shows non-union comminuted displaced fracture of distal right femur and patella with subluxation of knee joint. Thus we decided for removal of implant and megaprosthesis of right distal femur. Intraoperatively and postoperatively no complications occurred. During follow up in clinic, patient symptoms improved tremendously and patient was able to ambulate without any aid.

**Conclusion:** Megaprosthesis can be employed to negate the difficulties in limb reconstruction in patients with complex fracture around the knee<sup>3</sup>. All of the patients underwent the surgery were allowed full weight bearing ambulation immediately post surgery<sup>2</sup>. Via this method, patient can escape period of bedridden and its complications.