



## HIGH-VELOCITY INJURY : BILATERAL FLOATING KNEE

Mohamed Rachid Bensalah., Abdeltif Bennabouha and Abelouhab JAAFAR

Department of Orthopedic Surgery and Traumatology I, Military Instruction Hospital Mohamed V, Rabat, Morocco.  
Faculty of Medicine and Pharmacy, mohamed V Rabat University

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## ABSTRACT

“Floating knee” is the term used to describe simultaneous fractures of the femur and tibia in the same limb. This injury is caused by high energy violence. We report here a very rare case of bilateral floating knee in a 25-year-old male motorcyclist caused by a crash onto a car.

**Key words:**

Knee, Bilateral, Floating

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## INTRODUCTION

“Floating knee” is the term used to describe simultaneous fractures of the femur and tibia in the same limb. This injury is caused by high energy violence, usually a road accident, and may be associated with life-threatening injuries. Mortality rates from floating knees range from 5% to 15% and amputations are reported in approximately 25% of patients.

We report a very rare case of bilateral floating knee. A 25-year-old male motorcyclist crash onto a car, and sustained bilateral fractures of the femur and tibia. On examination, he was hemodynamically stable; Glasgow Coma Scale was 15 / 15. The two lower limbs were deformed; however, there wasn't any neurovascular compromise, nor soft tissue injury. The X-ray examination and computed tomography revealed an undisplaced bilateral fracture of femur and tibia. The patient was urgently taken to the operating theater; the different fractures have been stabilized. At 8-month follow-up, radiological union was seen on the radiographs.



**Figure A** preoperative X-Ray showing a bilateral fracture of the femur

**Figure B** preoperative X-Ray showing a bilateral fracture of the tibia

**Figure C** computed tomography showing a bilateral Floating knee

**Figure D** Immediate postoperative x rays of the bilateral femur and tibia.

\*Corresponding author: **Mohamed Rachid Bensalah**

Department of Orthopedic Surgery and Traumatology I, Military Instruction Hospital Mohamed V, Rabat, Morocco.  
Faculty of Medicine and Pharmacy, mohamed V Rabat University