

"FEMUR FRACTURE PATIENTS ADMITTANCE IN AN ACUTE GERIATRIC UNIT"

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OBJETIVES

To describe the features of patients admitted in an acute geriatric unit (AGU) and evaluate results

MATERIALS AND METHODS

Descriptive pre and post study of patients > 70 y/o with femur fracture admitted to an acute geriatrics unit (AGU) from June 1st to December 31st, 2010 compared to year 2009.

The following information was gathered: Sociodemographic data: Age, gender, place of origin, discharge destination. Hospital stay and preoperative period. Functionality: Lawton Index (LI), Barthel Index (BI). Pluripathology: Charlson Comorbidity Index (CI).

RESULTS

90 patients were admitted in the AGU from June 1st to December 31st, 2010; 67 women (75%), mean age 83 years. 75,5% came from home, 18,8% from a residency and 5,5% from a Sociosanitary. Mean LI of 2; pre-admittance BI 72, admittance 21 and discharge 32. Mean CI of 2. 35 patients (38,8%) had cognitive impairment. 88 (98%) underwent surgery. Mean Preoperative time 2 days. Mean hospital stay 7,5 days. 53 patients (59%) experienced delirium, and 24 (26,6%) patients had other perioperative complications. Mortality 1 (1%) in AGU and 4 (4%) in palliative care. Discharge destination: 47,7% sociosanitary, 27% residence and 16,6% residency.

Comparative between 2009 and 2010 (AGU introduction in June, 2010): Mean preoperative period 2,9 days from January to May 2010 and 2 days from June to November 2010. Mean hospital stay 15,4 days (2009) and 7,5 days (2010). Discharge destination: Residence 43,7%, Sociosanitary 48%, residency 1% and death 4,2% in 2009; after AGU: residence 27%, Sociosanitary 47,7%, residency 16,6% and death 1%.

CONCLUSION

- **The type of patient admitted to this AGU is an 83 year-old woman, coming from home with a LI of 2, BI of 72 operated within 2 days and discharged from AGU at 7,5 days.**
- **Destination after discharge increased to residency and decreased to residence compared to 2009, with an important reduction of mortality from 4% in 2009 to 1% in the present.**
- **Preoperative period was reduced from 2,9 days to 2 days and hospital stay from 15,4 days to 7,5 days after admittance into AGU.**

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