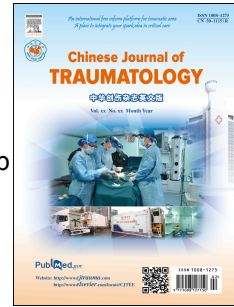


# Accepted Manuscript

Predictors for perioperative blood transfusion in elderly patients with extra capsular hip fractures treated with cephalo-medullary nailing

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**Predictors for perioperative blood transfusion in elderly patients with extra capsular hip fractures treated with cephalo-medullary nailing**

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**Abstract**

**Purpose:** The aim of our study was to determine predictive factors and requirement for perioperative blood transfusion in elderly patients with extra capsular hip fractures treated with cephalo-medullary device.

**Methods:** Seventy-nine patients with extra capsular hip fractures treated with cephalo-medullary nailing were included in the study. Age, sex, ASA grade, timing of surgery, preoperative and postoperative haemoglobin, length of hospital stay, fracture type, number of units transfused and 30 day mortality were recorded.

**Results:** The mean age was 82.3 years. Forty-seven patients underwent a short nail and 32 patients a long nail. 53.4% patients required blood transfusion postoperatively. Transfusion was required in 71.8% of the long nails ( $p<0.05$ ), 65.8% patients above the age of 80 ( $p<0.05$ ), 100% of the patients with haemoglobin below 90 g/L and 20 ASA grade 3 patients ( $p<0.05$ ). 78.5% patients with A2 fracture and 75% of A3 fractures needed blood transfusion ( $p>0.05$ ). Length of hospital stay in non-

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