Curative effect of three internal fixation methods in the treatment of patella fractures

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To compare the curative effect of three internal fixation methods in the treatment of patellar fractures. Methods: One hundred and twenty four patients with patella fractures admitted to our hospital from January 2008 to April 2009 were divided into three groups, and were treated with tension band, steel wire circular ligation method and circular fixation with silk thread, respectively. The curative effects of three internal fixation methods were observed for comparison. Results: The good and excellent rate of the tension band group was 96%, significantly higher than that of the steel wire circular ligation group (87.5%) and silk thread circular ligation group (84.6%) (P<0.05). Conclusions: Tension band fixation has definite effect on the treatment of patellar fractures and is helpful in early knee function exercises. Furthermore, it is suitable for comminuted fracture of patellar. It is an effective treatment for its stability and firmness in fixing patellar fractures.

[KEY WORDS] Patellar fracture; Internal fixation; Treatment