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Title: Complications and Functional Outcome after Fixation of Distal Tibia Fractures with Locking Plate

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# 1 Complications and Functional Outcome after Fixation of 2 Distal Tibia Fractures with Locking Plate

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16 *Keywords: distal tibia, fracture, pilon, locking plate, complications, functional outcome*

## 17 18 19 Complications and Functional Outcome after Fixation of 20 Distal Tibia Fractures with Locking Plate – A Multicentre 21 Study

### 22 23 **ABSTRACT**

24 **Introduction:** The aim of this study was to evaluate the proportion of complications and the  
25 functional outcome following ORIF with low-profile locking plates in patients with distal  
26 tibia fractures.

27 **Method:** Retrospective data was retrieved using county databases, operation books, health  
28 record and x-ray images for 6 hospitals (1 level 1, 5 level 2) in the Region of Southern  
29 Denmark. Between January 2007 and April 2011 70 consecutive patients with 71 distal tibia  
30 fractures were treated with low-profile locking plate were included. The proportion of post-  
31 operative complications, classified as minor and major complications, was retrieved from  
32 electronic health records and patient interviews. Long-term functional outcome assessed by  
33 EuroQol EQ-5D-5L questionnaire, AOFAS Ankle-Hindfoot scale, and return to pre-injury job  
34 function through patient interview and examination.

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