

Title (en)
MULTI FUNCTIONAL FEMORAL INTRAMEDULLARY NAIL (FIN) SYSTEM HAVING MULTI LOCKING SYSTEM

Title (de)
MULTIFUNKTIONS-FIN-SYSTEM MIT MULTISPERRENSYSTEM

Title (fr)
SYSTÈME DE CLOU INTRAMÉDULLAIRE FÉMORAL POLYVALENT À SYSTÈME DE VERROUILLAGE MULTIPLE

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Application
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Abstract (en)
[origin: WO2010140991A2] This invention is the Multi Functional Femoral Intramedullary Nail (FIN) System Having Multi Locking System which provides fusion by fixing bones in case of single or multiple fractures of femoral bones; and its feature is that on the one end (4) of the FIN nail (1) there are 7 locking holes as 1 oval oblique hole (5) that allows compression and provides locking in 5 different angles, two holes (6), (7) able to be angled 130° as distal and proximal to the nail (1) axis, and able to be angled 10° to right and left according to the multi intentional oblique hole (5) for right and left femur bones, 2 holes (15), (16) that 24 degrees angled with each other in the sagittal plane, 2 holes (17), (18) that 12 degrees angled with each other in the sagittal plane. On the other end of it, there are 2 holes (19), (20) that 12 degrees angled with each other in the sagittal plane. The FIN nail (1) consists of that The body of the Multi Functional Femoral Intramedullary Nail (FIN) Having Multi Locking System (1), The curvature starting part of the body (1) of the Multi Functional Femoral Intramedullary Nail (FIN) Having Multi Locking System (2), The threaded hole for connection to the inserter and the fixation canal to the inserter of the Multi Functional Femoral Intramedullary Nail (FIN) (1) Having Multi Locking System (3), The straight part changeable approximately between 125- 145mm of the Multi Functional Femoral Intramedullary Nail (FIN) (1) Having Multi Locking System (4), The multi intentional oblique hole (5), The hole able to be angled 130° as distal and proximal to the nail (1) axis, and able to be angled 10° to right and left according to the multi intentional oblique hole (5) for both right and left femur bones (6), The hole, able to be angled 130° as distal and proximal to the nail (1) axis, and able to be angled 10° to right and left according to the multi intentional oblique hole (5) for both right and left femur bones (7), The curved body part of the Multi Functional Femoral Intramedullary Nail (FIN) (1) Having Multi Locking System (8), The wedge- shaped tip of the Multi Functional Femoral Intramedullary Nail (FIN) (1) Having Multi Locking System, for fitting in the distal supportive locking screw (DSLS) (12) and providing locking (9), The notched part of the wedge-shaped tip (9) of the Multi Functional Femoral Intramedullary Nail (FIN) (1) Having Multi Locking System, for fitting in the distal supportive locking screw (DSLS) (12) and providing locking (10), The longitudinal cannulated part of the Multi Functional Femoral Intramedullary Nail (FIN) (1) Having Multi Locking System (11), The Distal Supportive Locking Screw (DSLS) (12), The slot of the Distal Supportive Locking Screw (DSLS) (12) in which the FIN nail (1) fits (13), The slot for setscrew which locks the Distal Supportive Locking Screw (DSLS) (12) and the FIN nail (1) to each other (14), The hole angled 12° to right at the radial axis according to the multi intentional oblique hole (15), The hole angled 12° to left at the radial axis according to the multi intentional oblique hole (16), The hole angled 6° to right at the radial axis according to the multi intentional oblique hole (17), The hole angled 6° to left at the radial axis according to the multi intentional oblique hole (18), The hole angled 6° to right at the radial axis according to the multi intentional oblique hole (19), The oblique hole angled 6° to left at the radial axis according to the multi intentional oblique hole (20).

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