

Title (en)
HIP JOINT ENDOPROSTHESIS SYSTEM

Title (de)
HÜFTGELENK-ENDOPROTHESENSYSTEM

Title (fr)
SYSTEME D'ENDOPROTHESE POUR L'ARTICULATION DE LA HANCHE

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Application
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Abstract (en)
[origin: WO2006084426A2] The invention relates to a hip joint endoprosthesis system comprising a socket (1), an inlay (2), a head (3), optionally a separate neck (4) and a shank (5). Said inlay (2) is provided with one or several elevations (25) in such a way that the head (3) luxation is prevented. The inlay (2) is embodied such that it is displaceable in the socket (1) and the luxation thereof is prevented by guiding/stop elements (12) interacting with grooves (22). The arrangements displayed on a figure(a) prevent a luxation and improve the range of all-direction motions represented by a half of a total angle ($\alpha < \text{SUB} > g < / \text{SUB} >$). Additionally or alternatively, the presence of the inlay recesses (24) and/or socket recesses (14) makes it possible to increase the range of motions (ROM) in a main displacement direction (extension/flexion). The arrangement displayed on a figure (b) shows the ROM in an abduction/adduction direction, represented by an abduction angle ($\beta < \text{SUB} > ab < / \text{SUB} >$). The sight of a cross section shown on a figure (c), displays the ROM represented by an angle ($\alpha < \text{SUB} > fl < / \text{SUB} >$) in the extension/flexion plane according to the arrangement. In addition, individual components and a required operational technique are adapted by means of corresponding adjustment in the shank/ neck area. The shanks (5), the intraoperative orientation thereof and the possibility thereof to be removed when required in future are optimised.

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