

Title (en)  
ARTIFICIAL INTERVERTEBRAL DISK

Title (de)  
KÜNSTLICHE ZWISCHENWIRBELSCHEIBE

Title (fr)  
DISQUE INTERVERTEBRAL ARTIFICIEL

Publication  
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Application  
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Abstract (en)  
[origin: WO2005094734A1] The invention relates to an artificial intervertebral disk (1) which can be inserted between two adjacent vertebral bodies of a patient and by means of which two adjacent vertebral bodies of a patient are joined in an articulated manner. Said artificial intervertebral disk (1) comprises an intermediate element (2) that is embodied as an elastic ring and is inserted into one respective molded portion (3) of two outer elements (4) which are configured as metal plates. The outer elements (4) are joined to the bones of the vertebral bodies via anchoring pins (5), especially titanium anchorings previously known in hip endoprosthetics. The radius (D) of the concave molded portion (3) is greater than the diameter (d) of a circular cross-sectional area of the intermediate element (2) such that compression of the intermediate element (2) caused particularly by the patient's movement allows for a defined deformation.

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