

Title (en)

METHOD OF PRODUCING A SINGLE-EYED SUTURE NEEDLE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER EINÖHRIGEN CHIRURGISCHEN NADEL

Title (fr)

PROCEDE DE FABRICATION D UNE AIGUILLE A SUTURER A CHAS UNIQU E

Publication

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Application

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Abstract (en)

[origin: WO03057047A1] The invention relates to a method of producing a surgical needle (1), having diameter D1, which is intended to support a suture thread (2), having diameter D3, by means of crimping. According to the invention, the method consists in performing a heat treatment on the eye area (1C) of a surgical needle (1) which is made entirely from austenitic-type steel. Said heat treatment is designed to (i) enable the mechanical drilling of the single axial hole (3) having a diameter (D2) that is determined according to the diameter (D1) of the needle (1) and the diameter (D3) of the largest-diametered suture thread (2) from the full range of suture threads that are intended to be used with a needle of a given diameter (D1); and (ii) obtain a ductility which, by means of crushing during crimping, can be used to diminish the initial diameter (D2) of the axial hole (3) by at least 50 %.

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