

Title (en)

PROCESS AND DEVICE FOR THE CULTURE OF BONE REPLACEMENT MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ZÜCHTEN VON KNOCHENERSATZMATERIAL

Title (fr)

PROCEDE ET DISPOSITIF POUR LA CULTURE D'UN MATERIAU DE REMPLACEMENT DU TISSU OSSEUX

Publication

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Application

EP 96915995 A 19960604

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Abstract (en)

[origin: DE19520864A1] A process for the culture of bone replacement material, in which a bone recess freed of periostium is covered from the soft tissue surrounding the bone by a device which can be secured to the bone and has a covering membrane preferably consisting of biodegradable material, whereupon bone can grow from the bone in such a culture chamber, in which a region of a concave bone, especially the pelvic bone, differing from the final point of use of the bone replacement material is selected as the bone hollow; the periostium is removed from the bone in the selected region; the bone within the selected region is opened, especially drilled, at at least one point to provide a bleedale connection between the bone tissue and the bone hollow defined by the selected region; the covering device is then secured to the bone to cover the bone hollow; the periostium and neighbouring soft tissue is applied to the covering device; after the growth of the bone material into the culture chamber the covering device is released; the covering device and the cultured bone replacement material is removed from the bone hollow; and finally the cultured bone replacement material is inserted into a bone recess to be finally filled therewith. The invention also relates to a device for the implementation of this process.

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IPC 8 full level

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