

ImplantAbstract

5 The invention relates to an implant (1) to be used for the occlusion of aneurysms (A) in blood vessels (Z) in the region of vascular branches (X, Y), in particular bifurcation aneurysms, with the implant (1) being in an expanded state in which it is implanted in the blood vessel (Z) and in a contracted state in which it is movable through the blood vessel (Z), with the implant (1) having a proximal fixing section (3) by means of which the implant (1) can be secured to the wall of a blood vessel (Z), a distal section (5) where the implant (1) is radially widened relative to the fixing section (3) and which is intended for placement in or in front of the aneurysm (A), and having a transition section (4) located between the fixing section (3) and the distal section (5), wherein the implant (1) is composed of interconnected or intersecting filaments (10) and one or more filaments (10) originating from the fixing section (3) or distal section (5) meet centrally in the transition section (4), wherein the filaments (10) in the transition section (4) at least to some extent pass through a sleeve (7). In this way, a particularly flexible implant (1) is provided whose distal section (5) can also adapt well to irregularly shaped aneurysms.

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Fig. 2b

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