

TITLE: NEW DEVICE FOR TREATING AORTIC ABDOMINAL ANEURYSM (AAA)

FIELD OF INTEREST

Medical devices (Surgery, Cardiovascular, Prosthesis)

CLINICAL NEED

Aortic Abdominal Aneurysm (AAA) is a pathological condition in which aorta dilates gradually increasing its diameter to levels that can cause spontaneous rupture of the same. It is estimated that in the Western world the AAAs have a prevalence of 3% to 10% among patients older than 50 years. Rupture of abdominal aortic aneurysm (RAAA) is the tenth leading cause of death among men older than 65 years, which corresponds to similar number in deaths from prostate cancer, stomach and esophagus.

Current techniques for endovascular treatment of AAA with maintenance of direct vascularization of both iliac axes, are based mainly on bifurcated prosthetic implants and even trifurcated. In all cases, implantation techniques require a bilateral inguinal approach for the placement of the prosthesis. They may even require a contralateral inguinal approach to allow its deployment inside the aneurysmal sac. In addition, in the case of bifurcated prostheses, it is necessary to channel one branch of the main prosthesis for the placement of a second modular device with extension to the contralateral iliac axis by radiological image control.

DESCRIPTION OF THE INVENTION

The invention relates to a device for the implantation of prostheses for the treatment of abdominal aortic aneurysm (AAA), especially conceived for the implantation of bimodular prostheses, composed by a aortic-aortic valve module and a trifurcated endoprosthesis vascular module, based on a single inguinal approach and avoiding having to capture the contralateral branch or contralateral groin to perform the full deployment of the prosthesis.

TECHNOLOGY KEYWORDS

Endoprosthesis, Coaxial, Introducer, AAA

IPR STATUS

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Applicants: IIS-FJD.

TYPE AND ROLE OF PARTNER

Looking for commercial partners interested in licensing.

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