

# **TITLE: FENESTRATED ENDOPROTHESIS FOR ARTERY REPAIR, EQUIPPED WITH A FENESTRATION POSITIONING GUIDE**

## **FIELD OF INTEREST**

Medical devices (Surgery, Cardiovascular, Prosthesis)

## **CLINICAL NEED**

Endovascular repair is an effective way to treat aneurysmal pathology of the aorta (EVAR). The treatment of aneurysms that affect the exit of arterial branches requires the use of alternative techniques such as the placement of stents in the form of chimneys (ChEVAR) or, with more promising results, the use of fenestrated endoprostheses (FEVAR) that allow the preservation of flow to the arteries involved. The use of these endoprostheses is increasingly common in the endovascular treatment of the visceral abdominal aorta.

However, in this technical field there is a need for a technique that reduces the difficulty of these procedures, that facilitates the correct orientation of the fenestrations, minimizing the risks and complications of the procedure, and also making the surgical intervention safer, faster, economical and efficient.

## **DESCRIPTION OF THE INVENTION**

Researchers have developed a technique for cannulation of an arterial bifurcation through an endoprosthesis fenestrated in situ by the surgeon himself. With this technique, an alternative has been proposed that makes it possible to ensure the cannulation of an artery on which a fenestrated endoprosthesis has been placed. With this system we increase the margin of safety available in the deployment of fenestrated endografts, facilitating the correct orientation of the fenestrations and minimizing subsequent manipulations. The technique allows that, even if the fenestrations are slightly misaligned with the target vessel, the interlocking guide system has already gained the target vessel prior to prosthesis deployment.

## **TECHNOLOGY KEYWORDS**

Endoprosthesis, AAA

## **IPR STATUS**

Patent application number: U202032664.

Applicants: IIS-FJD.

## **TYPE AND ROLE OF PARTNER**

Looking for commercial partners interested in licensing.

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