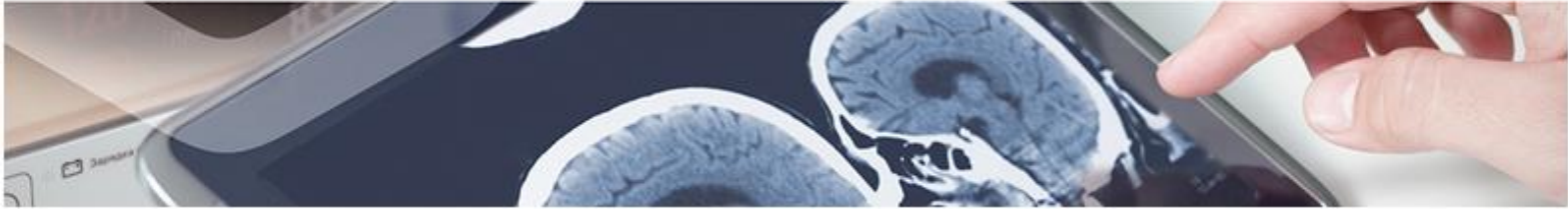




## Medical Device. Aortic aneurysm treatment device.

A researcher from the Public Health System of Andalusia has developed a new device useful in the surgical improvement of the aortic aneurysm, overcoming the problems of the current techniques.



### Description

An aortic aneurysm is a localized dilation that causes weakness in the artery's wall. In the absence of treatment, the aneurysm tends to grow progressively, which increases the risk of a rupture and a massive internal hemorrhage.

Visceral and thoracoabdominal aorta aneurysms are dilatations with a high risk of rupture that affect the exit of vessels that irrigate the viscera. Currently there is a wide variety of treatments for this disease, but with high inconveniences (aggressiveness, side effects or high cost).

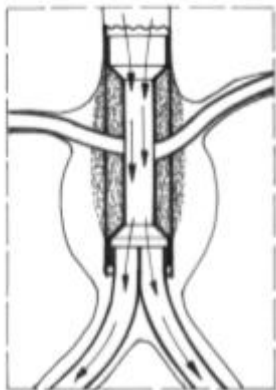


Figure 1. Device recreation.

To avoid actual problems, the researcher has proposed a new improved device designed specifically for the treatment of the aortic aneurysm, which solves the possible surgical problems associated with other types of treatments.

It is a **Universal** system (can be used in every anatomies), **Easy** system (reduce learning curve), **Quick** (customized manufacture is not needed), and the procedure could be performed under local anesthesia.

The device comprises two stents, one external stent and other internal stent, and an injection system which inject a thrombogenic material between two stents.



### Advantages

- **Universality**, it could be used in any possible anatomy.
- **Easy to learn and use**, since it would be the same system for all patients.
- It is **quick**, since customized endoprosthesis is not required for each patient.
- **Low profile**, due to the fact that the coating in the used stents is little or non-existing, therefore it has a smaller diameter, being able to reach more unfavorable anatomies, and the procedure could be implanted under local anesthesia.



### Industrial Property

This technology is protected by a national and an international (PCT) patent application with the possibility of extension in national phase.



### Aims

Collaboration and / or exploitation license agreement.



### Classification

**Area:** Medical device.

**Pathology:** Cardiovascular and circulatory system.

