

TITLE: Introducing device for vascular stents

FIELD OF INTEREST

Vascular stents

CLINICAL NEED

Currently there is a growing demand for the use of vascular endoprotheses, which allow vascular repairs to treat aneurysms with good results.

The vascular endoprotheses are implanted in the desired place in a minimally invasive way, accessing peripherally through a blood vessel. Introducer devices in the form of catheters are used to provide direct access for the insertion of devices in endovascular procedures.

Introducer catheters come in different sizes, lengths, and gauges, but always consist of the same basic components.

However, since these vascular techniques are performed under radiological control and due to the conditions of the arterial anatomy, it is possible and very probable that the vascular guides cross each other, giving rise to a loss of control of the introducer and/or the other guides provided in parallel.

DESCRIPTION OF THE INVENTION

The invention relates to an introducer device for the insertion of 20 stents in endovascular procedures. The introducer device comprises: a dilator which in turn comprises a longitudinal section, where the section longitudinal comprises a longitudinal channel inside configured to receive a vascular guide; and an introducer which in turn comprises a section tubular longitudinal section configured to receive inside the longitudinal section of the 25 dilator; where the longitudinal section comprises at least one additional conduit essentially parallel to the channel of the dilator to receive a second guide or a catheter.

According to a preferred embodiment, the at least one conduit is arranged in the side of the longitudinal section so as to define a gutter on the side surface 30 of the longitudinal section. According to a more preferred embodiment, the gutter defines an opening in the lateral surface of the longitudinal section with a width less than the diameter of the second guide or catheter.

ADVANTAGES

Prevents guidewires or catheters from crossing each other, reduces loss of control of the intervention.

Reduce intervention times and radiation

TECHNOLOGY KEYWORDS

Vascular stents, devices.

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IPR STATUS

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Applicants: FIIS-FJD.

TYPE AND ROLE OF PARTNER

Looking for developing the technology and looking for commercial partners interested in licensing.

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