Unique multi-curve active catheter for complex endovascular navigation

Fact Sheet

Project Information

MULTICURVE

Grant agreement ID: 808576

Closed project

Funded under
H2020-EU.2.1.5.
H2020-EU.2.1.3.
H2020-EU.2.3.1.
H2020-EU.2.1.2.

Start date
1 February 2018

End date
31 July 2018

Overall budget
€ 71 429

EU contribution
€ 50 000

Coordinated by
BASECAMP VASCULAR
France

Objective

While endovascular procedures have grown very quickly in the past years, notably for the treatment of neurovascular pathologies, they may be impossible to implement when navigation is complicated by high vessels tortuosities or bifurcations angulations. In such cases, medical practitioners have no choice but to use alternative techniques, often complex and costly.

Basecamp Vascular (BCV), a French SME created in 2016, is focused on the development and commercialisation of a breakthrough medical device: the first ever mechatronic active catheter dedicated to endovascular navigation in any anatomy, even complex, for neurovascular pathologies. BCV aims at providing the world
market of endovascular procedures, specifically the “endovascular access” segment (+/- 8 million procedures / year, €5 billion in value), with this device, which tip can be modified on-demand as opposed to current passive catheters which preformed curve is unchangeable. First commercialisation is planned by 2019, with a first focus on the EU area, to be addressed globally as soon as the EC marking is obtained.

A first version (mono-curve) of BCV active catheter has been developed and validated and the upgraded version of the device (multi-curve) is currently in development and will be achieved by the end of 2017. In this frame, the MULTICURVE SME Instrument project aims at optimally preparing future innovation steps, with three specific objectives for phase 1: refining the current market strategy, preparing regulatory markings and preparing the planned multicentric, transnational clinical study to be performed in phase 2.

As such, the SME Instrument support will facilitate reaching the market of endovascular procedures, the multi-curve device being an unprecedented solution for medical practitioners. Indeed, for the first time, they should benefit from a catheter able to adjust to all patients’ individual anatomical variations, thus fully fitting within the personalised medicine concept.

Fields of science

medical and health sciences › basic medicine › anatomy and morphology
medical and health sciences › basic medicine › pathology
medical and health sciences › basic medicine › neurology › stroke

Programme(s)

H2020-EU.2.1.5. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced manufacturing and processing
H2020-EU.2.1.3. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials
H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument
H2020-EU.2.1.2. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Nanotechnologies

Topic(s)

SMEInst-02-2016-2017 - Accelerating the uptake of nanotechnologies advanced materials or advanced manufacturing and processing technologies by SMEs
Call for proposal

H2020-SMEINST-1-2016-2017
See other projects for this call

Funding Scheme

SME-1 - SME instrument phase 1

Coordinator

BASECAMP VASCULAR

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Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

EU contribution
€ 50 000

Contact the organisation

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