

Sim&Size

TO IMPROVE THERAPEUTIC PLANNING

TOGETHER FOR A SAFER LANDING

Sim&Size

TO IMPROVE THERAPEUTIC PLANNING

Improve patient outcomes & reduce hospital costs, becoming the new standard of care



Over **10,000+** Patients served



Across **30+** Countries



With **600** Healthcare professionals



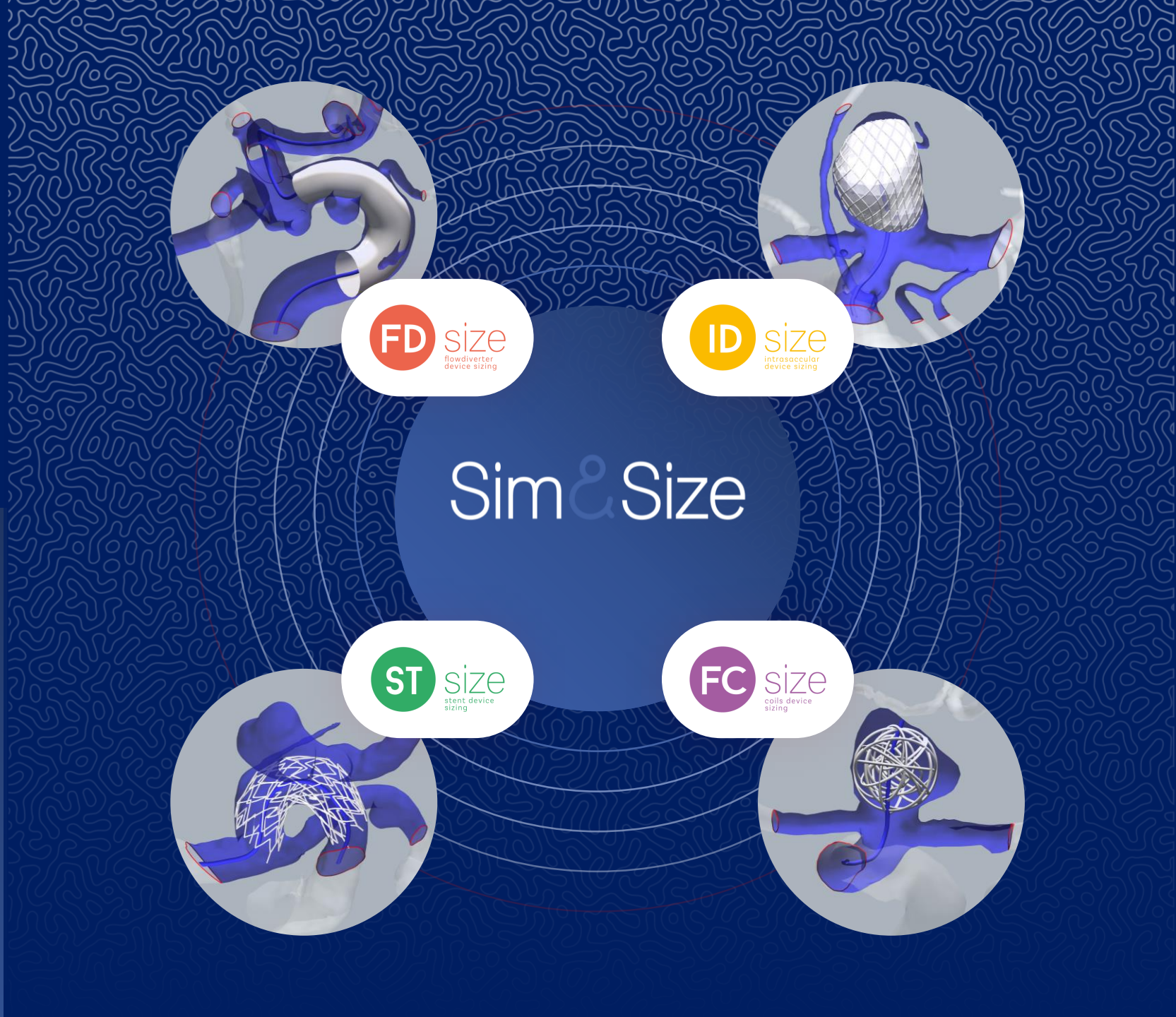
In **400+** Hospitals



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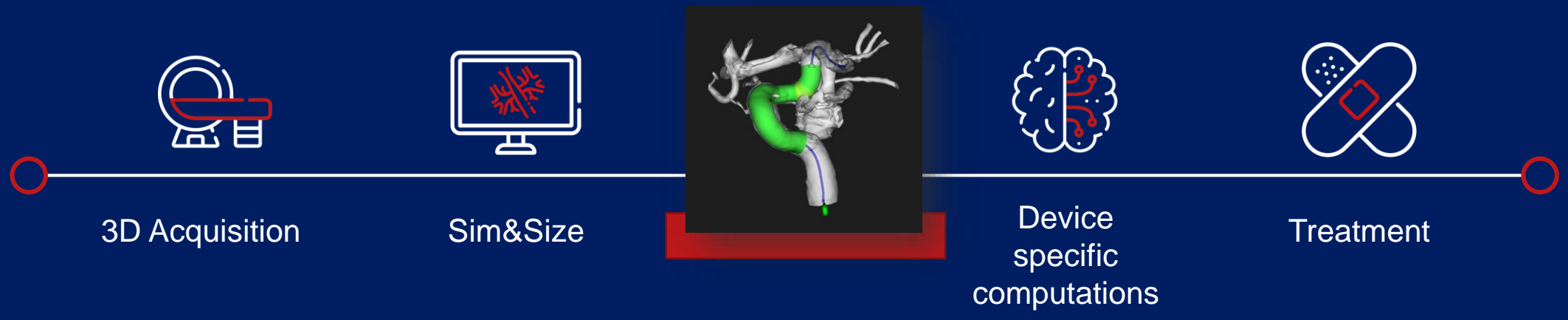
One software, Four modules: Endless possibilities

Sim&Size is a software that relies on patented and innovative methods to simulate the behavior of chosen medical devices in the patient's specific anatomy.



A CORE ELEMENT OF DAILY PRACTICE

One software, Four modules: Endless possibilities



Real time modeling Straight to your device Collaborative approach

Sim&Cure's Partnerships



AN INTEGRAL PART OF THE PATIENT PATHWAY

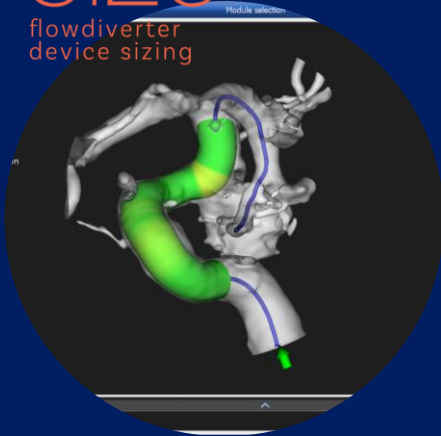
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FD size

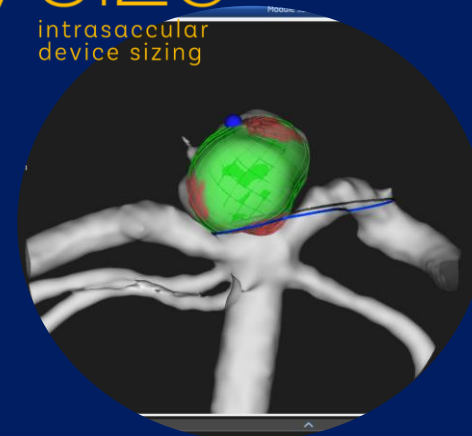
flowdiverter device sizing



- Apposition and length
- Adjustable deployed length
- Telescopic treatment

ID size

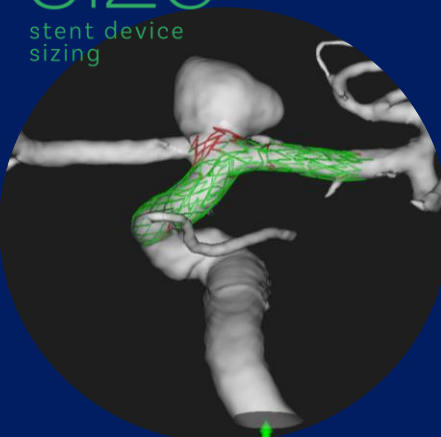
intrasaccular device sizing



- Apposition and position
- Adjustable microcatheter position
- Prevent protrusion

ST size

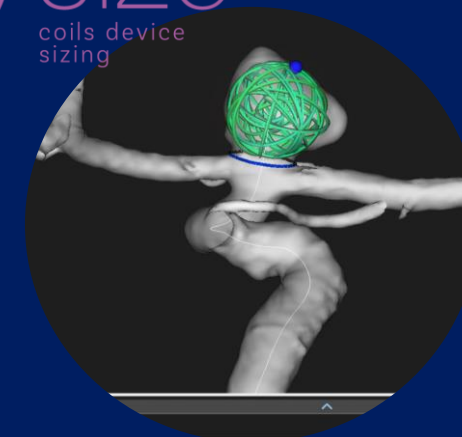
stent device sizing



- Apposition and length
- Adjustable deployed length for braided stents
- Stent-assisted coiling

FC size

coils device sizing



- Frame + Filling coils
- VER evolution visualization
- Interaction with stent

AN INTEGRAL PART OF THE PATIENT PATHWAY

SPECIFICITY

Anticipate the device's behavior depending on its characteristics and patient's anatomy

SAFETY

Avoid extra handling simulating multiple procedures with multiple devices

EFFICIENCY

Real time modeling and adjusting of your treatment strategy for faster procedures and less radiations ⁽¹⁾⁽²⁾



Medical Imaging Acquisition



Sim&Size



Therapeutic strategy



Treatment



BETTER PHYSICIAN'S EXPERIENCE WITH YOUR DEVICE



TAILOR-MADE THERAPEUTIC STRATEGY FOR EACH PATIENT



LESS CORRECTIVE INTERVENTIONS



MORE PRODUCTIVITY & COST-EFFECTIVENESS

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Sim&Size is an innovative solution, that is an integral part of the patient journey and drives toward patient-specific management



PHYSICIAN & HOSPITAL

Faster & Safer Treatments ⁽¹⁻²⁾

Less corrective maneuvers

Easy to use and clear visualization

Lower costs & increased staff productivity



MEDICAL DEVICES INDUSTRY

Promoting technology and innovation

Support material to promote the devices and discuss with INRs

Securing patient's treatment with better outcomes using medical devices

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Sim&Size™ for the European Market:

Sim&Size™ is a medical device regulated health product manufactured by Sim&Cure. According to the European regulation, Sim&Size™ software is a Class IIa medical device, it carries, under this regulation, the CE marking n°0459.

The Sim&Size™ software is a medical device intended to provide a 3D view of the final deployment of implants. It uses an actual image of the patient produced by 3D rotational angiography. It offers clinicians the possibility of simulating deployment of implantable medical devices (IMD) in the artery to be treated and predicts the final position (length, diameter, form) and the extent of apposition of the implant.

Sim&Size™ is not intended for diagnostic use or for recommending a specific treatment. Read the user manual carefully before use.

Sim&Size™ must not be used in the following cases :

- **on giant intracranial aneurysms involving poor reconstruction of the deployment zone :**
- **in presence of artifacts in the simulated Medical Device deployment zone**
- **in the presence of Implantable Medical Device (IMD) that are potentially in contact with the simulated IMD in the deployment zone.**

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REFERENCES

- (1) Piergallini L, et al. *Virtual simulation with Sim&Size software for Pipeline Flex Embolization: evaluation of the technical and clinical impact. J NeuroIntervent Surg* 2020;0:1–6. doi:10.1136/neurintsurg-2020-015813
- (2) Cagnazzo F, Marnat G, Ferreira I, et al. *Comparison of Woven EndoBridge device sizing with conventional measurements and virtual simulation using the Sim&Size software: a multicenter experience. J NeuroIntervent Surg Epub ahead of print: [23 December 2020].doi:10.1136/ neurintsurg-2020-017060*