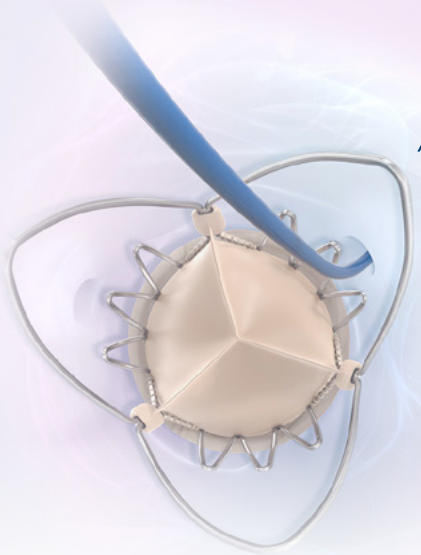
Boston Scientific
Advancing science for life™

ComAlign Handbook

ACURATE neo2™ Aortic Valve System

Precision today,
access tomorrow.

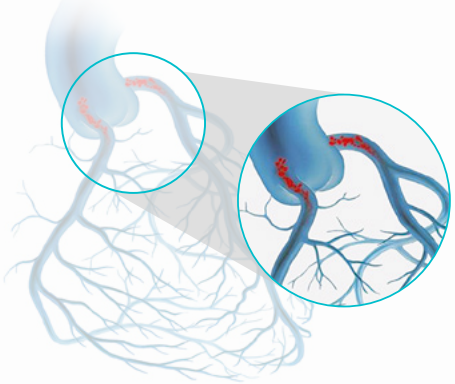


Today's TAVI population is increasingly lower-risk.[1]

The number of lower-risk patients undergoing TAVI continues to grow.[1]

In 2018, less than 2% of all TAVI patients were low-risk. **This population increased x14 in 2020, with 28% of reported TAVI procedures involving low-risk patients.[1]**

2% 2018 → **28%** 2020



Lower-risk TAVI requires preserved future access.

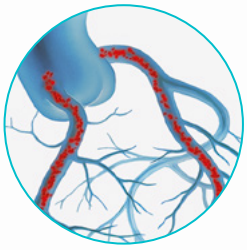
A multi-center study (N = 118 patients presenting post-TAVI STEMI) observed higher PCI failure rates in TAVI patients with coronary access issues, highlighting the need of the techniques enhancing coronary access.[2]

STEMI following TAVI resulted in a **4x higher PCI failure rate and 33% increased mortality rate.[2]**

You require easy commissural alignment.

Optimizing commissural alignment in your practice may:

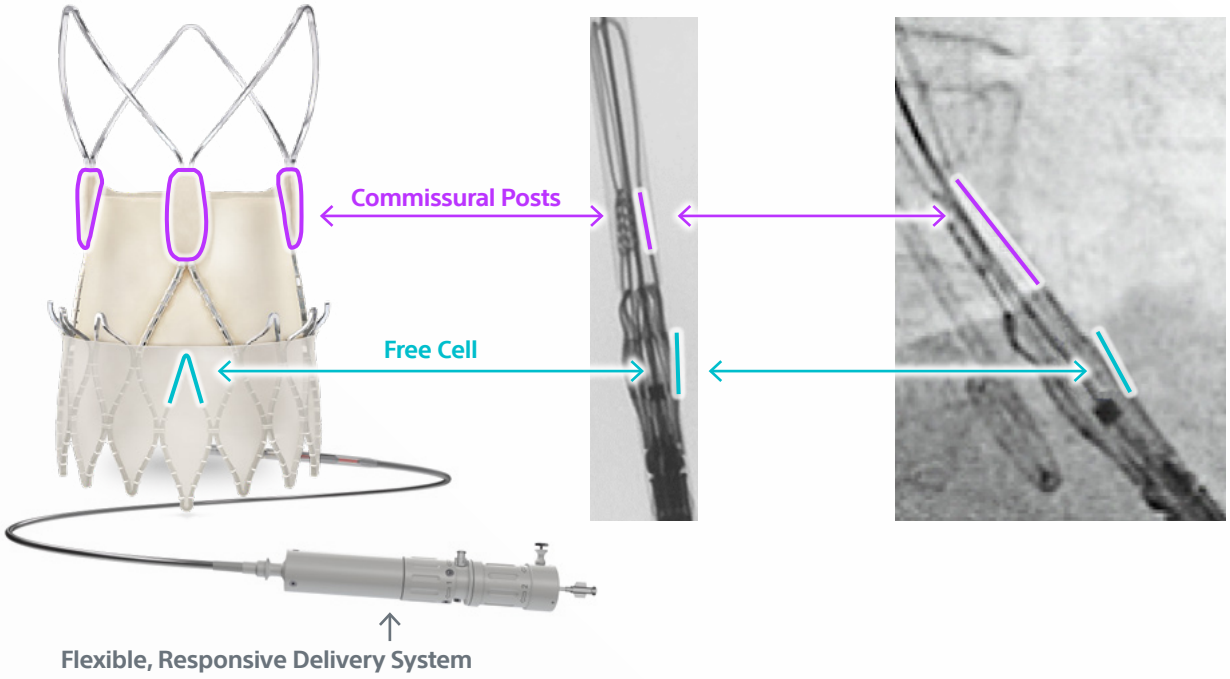
1 secure future coronary access[3]



2 allow for future intervention options[3]

Design that delivers best-in-class commissural alignment.

Three radiopaque commissural posts enable 3D verification of valve orientation in anatomy.



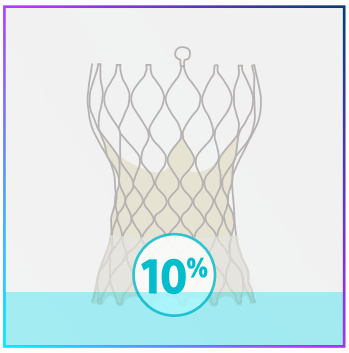
For best-in-class results: commissural alignment with self-expanding TAVI valves.

In the COMALIGN Study, ACURATE *neo2* was the only **self-expanding valve to 100% avoid moderate or severe commissural misalignment.**[3]

0% moderate or severe commissural misalignment

ACURATE *neo2* Valve

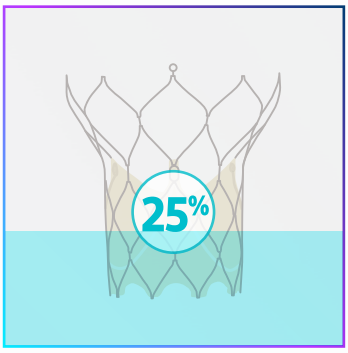
20/20 successful consecutive cases



10% moderate or severe commissural misalignment

Evolut R/PRO™ Valve

17/20 successful consecutive cases
3 cases with non-optimal rotations



25% moderate or severe commissural misalignment

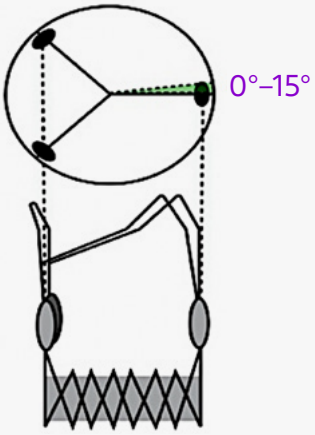
Portico™ Valve

15/20 successful consecutive cases
5 cases difficult to assess

The COMALIGN *neo2* Study

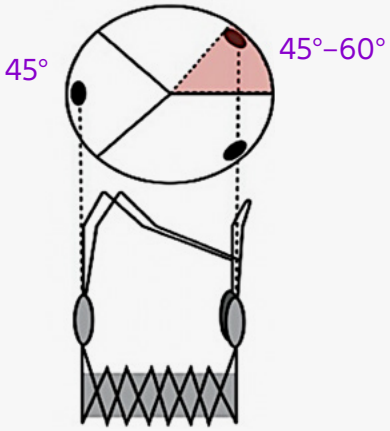
The COMALIGN neo2 Study demonstrated a correlation between commissural alignment and valve performance on ACURATE *neo2*. Severe misalignment (CMA) was associated with increased risk of severe patient-prosthesis-mismatch (PPM).

Severe Patient-Prostesis Mismatch



Commissural alignment **5%** PPM

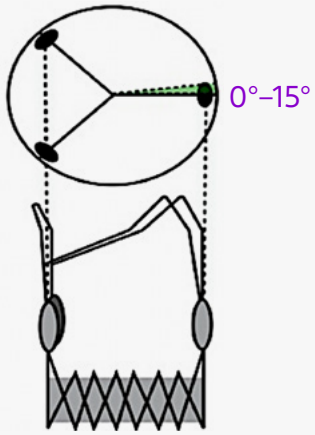
Successful



Severe commissural misalignment **14,7%** PPM

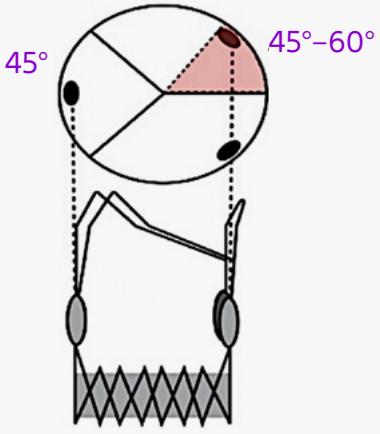
Total Aortic Regurgitation was significantly higher in patients with severe commissurally misaligned valves.

Total Aortic Regurgitation*



Commissural alignment **34,3%** PPM

Successful



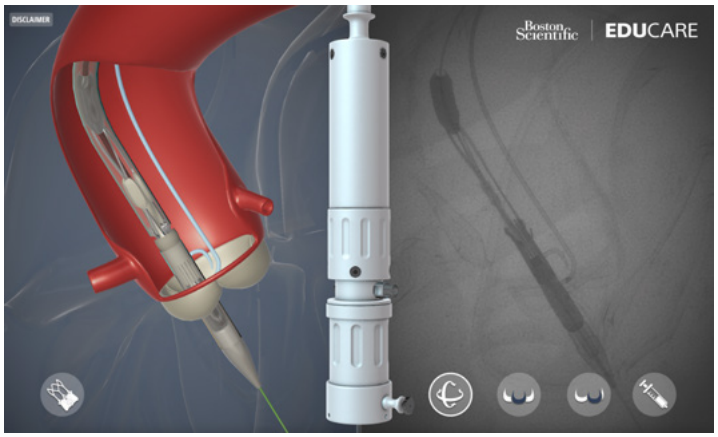
Severe commissural misalignment **51,4%** PPM

The COMALIGN neo2 study found that obtaining commissural alignment is easy when using the ACURATE *neo2* platform.

*Paravalvular and Central

Immerse into a 3D commissural alignment experience

An advanced & realistic tool enabling you to experience & practice the commissural alignment technique with ACURATE *neo2*.



Try it now

Continue your learning journey on commissural alignment

Discover these useful courses from experts focusing on Commissural alignment and Coronary access.

Get Full Acces now

Visit and Learn More:
www.bostonscientific.com/en-EU/products/transcatheter-heart-valve/acurateneo2-tavi-valve-system

* De Backer O. Commissural alignment & TAV performance: Results from the COMALIGN-neo 2 study. TCT 2023

1. TVT Registry.
2. Faroux L, et al. ST-Segment Elevation Myocardial Infarction Following Transcatheter Aortic Valve Replacement. "https://www.jacc.org/journal/jacc" J Am Coll Cardiol. 2021 May, 77 (17) 2187 -2199.
3. Bieliauskas, G, De Backer, O, Søndergaard, L, et al. Patient-Specific Implantation Technique to Obtain Neo-Commissural Alignment with Self-Expanding Transcatheter Aortic Valves. J Am Coll Cardiol 2021.

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