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VALVULAR AND STRUCTURAL HEART DISEASES

### Next-generation balloon-expandable Myval transcatheter heart valve in low-risk aortic stenosis patients

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We aimed to describe hemodynamic performance and clinical outcomes at 30-day

follow-up of the balloon-expandable (BE) Myval transcatheter heart valve (THV) in low-risk

The results of the next-generation BE Myval THV in low-risk aortic stenosis (AS) patients

Retrospective registry performed in nine European centers including patients with low predicted operative mortality risk according to Society of thoracic surgeons (STS) and

Between September 2019 and February 2021, a total of 100 patients (51% males, mean

15%, 27.5 mm: 15%). There were no cases of valve embolization, coronary artery

0.6 cm<sup>2</sup>) and mean aortic valve gradient ( $43.4 \pm 11.1$  vs.  $9.0 \pm 3.7$  mmHg) improved

safety and clinical efficacy were 3 and 1%, respectively.

AS patients were favorable. Longer-term follow-up is warranted.

occlusion, annulus rupture, or procedural death. A definitive pacemaker implantation

was needed in eight patients (8%). At 30-day follow-up aortic valve area ( $0.7 \pm 0.2$  vs.  $2.1 \pm$ 

significantly (p < 0.001). Moderate aortic regurgitation occurred in 4%. Endpoints of early

Hemodynamic performance and 30-day clinical outcomes of the BE Myval THV in low-risk

Dr. Amat-Santos is proctor for Meril Life and Boston Scientific. Dr. Won-Keun is proctor for Boston Scientific, Meril Life Sciences, Abbott, speaker fees/advisory board from Boston Scientific, Abbott, Edwards, Medtronic, Meril Life Sciences, Shockwave Med. MATCH-BALL

age 80 ± 6.5 years) were included. Mean STS score and EuroSCORE-II were 2.4 ± 0.8% and 2.2 ± 0.7%, respectively. Intermediate sizes were used in 39% (21.5 mm: 8%, 24.5 mm:

European system for cardiac operative risk evaluation (EuroSCORE-II) scores.

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Abstract

Objectives

Background

are still unknown.

Methods

Results

Conclusions

CONFLICT OF INTEREST

study protocol (NCT04548726).

patients.



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