

TRANSCATHETER HEART VALVES GREECE 2025



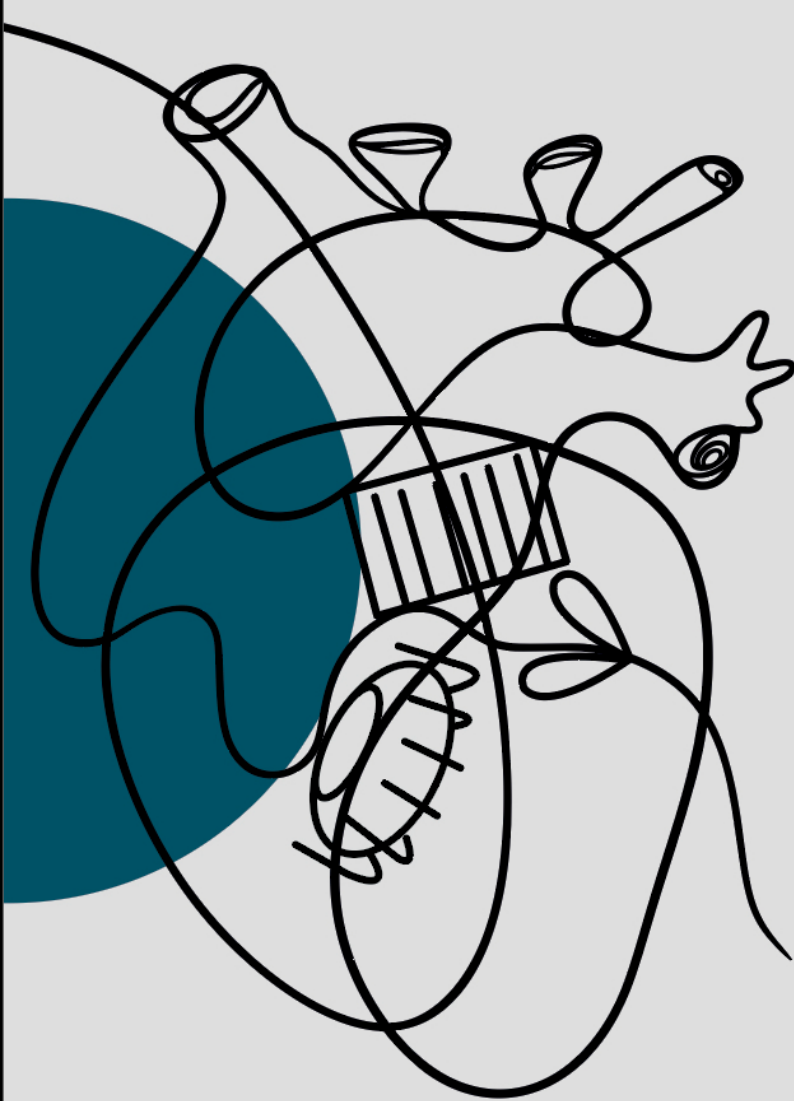
MAY 16-17, 2025

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MITERA HOSPITAL**

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Sessions | Transcatheter Heart Valves Greece 2025

The leading international meeting for Transcatheter Heart Valve Therapies in Greece

May 16 - 17, 2025, Athens Greece

On-site conference

Venue: N. Louros Conference Center, **MITERA** Hospital

Organizers: Transcatheter Heart Valves Department, Hygeia Hospital, Athens, Greece

Key:

Aortic valve | **Mitral valve** | **Tricuspid valve** | **Other**

COURSE DIRECTORS

Stratis Pattakos Cardiac Surgeon, 2nd Cardiac Surgery Department, HYGEIA Hospital, Athens

Konstantinos Spargias MD, PhD, FESC, Interventional Cardiologist, Director,
Transcatheter Heart Valves Department, HYGEIA Hospital, Athens

Panos Vardas Emeritus Professor of Cardiology, Chairman of Heart Sector HYGEIA
Hospitals Groups, President of the European Society of Cardiology (2012-2014)

PROGRAM COORDINATOR

Konstantinos Stathogiannis MD, PHD, Interventional Cardiologist, Transcatheter Heart
Valves Department, HYGEIA Hospital, Athens

ORGANIZING COMMITTEE

Michael Chrissoheris Cardiologist, Associate Director, Transcatheter Heart Valves
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Hospital, Athens

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Friday May 16, 2025

09.00 - 10.00

Core knowledge: aortic valve I

Joint Session I: cardiologists and cardiac surgeons

Anchorperson: **V. Voudris**

Moderators: **I. Karabinos, F. Mitropoulos, G. Kassimis**

TAVI in small aortic annuli

A. Rigopoulos

SAVR in small aortic annuli

G. Pattakos

TAVI in bicuspid anatomy

G. Georgiou

SAVR in bicuspid anatomy

V. Androutsopoulou

TAVI in patients <65 years of age

K. Toutouzas

SAVR in patients <65 years of age

D. Avgerinos

10.00 - 10:15

Opening Remarks

A. Kartapanis - *Chairman & CEO, Hygeia Hospital*

P. Vardas – *Chairman of Heart Sector Hygeia Hospital Group*

S. Pattakos – *Surgical Director of THV*

K. Spargias – *Medical Director of THV*

K. Toutouzas – *President of the Hellenic Society of Cardiology*

P. Skandalakis – *President of the Heal Academy*

10.15 - 11.15

Case-based discussions I: aortic valve

Anchorperson: **G. Katsimagklis**

Moderators: **A. Taleb, G. Tsigkas, A. Manginas**

Hygeia Hospital

P. Kourkouveli

Patras Hospital

A. Moulis



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Friday May 16, 2025

Apoloneio Hospital
G. Georgiou

Metropolitan Hospital
M. Zairis

Alexandroupoli Hospital
D. Stakos

Evangelismos Hospital
K. Triantafyllou

Mediterraneo Hospital
Ch. Psathas

Mitera Hospital
A. Kalogeropoulos

11.15 – 11.30

Break

11.30 – 12.30

Core knowledge: aortic valve II

Joint Session II: cardiologists and cardiac surgeons

Anchorperson: **D. Stakos**

Moderators: **D. Karatzas, M.-K. Konstantinidou, D. Markesinis,
N. Baikoussis**

TAVI in cardiogenic shock
G. Karamasis

SAVR in cardiogenic shock
K. Perreas

TAVI for AS+MR
S. Vaina

SAVR for AS+MR
N. Bouboulis

TAVI for AS+CAD
T. Kilic



Friday May 16, 2025

SAVR for AS+CAD
A. Tsolakis

12.30 – 13.30

HEART TEAM IN ACTION - I
Anchorman: **N. Kafkas**

Heart Team - Cardiovascular Laboratory, St. Luke's Hospital
P. Dardas

Sponsored case presentation (p.20)

13.30 – 14.30

Lunch break

14.30 – 15.30

Core knowledge: mitral valve
Joint Session III: cardiologists and cardiac surgeons
Anchorman: **N. Bouboulis**
Moderators: **V. Lozos, K. Spargias, K. Stathogiannis**

Optimal HF medication for MR patients
C. Chrysohoou

TEER in FMR and DMR
I. Iakovou

Data from RCTs and registries on M-TEER
A. Manginas

Endoscopic mitral valve repair
A. Pitsis

Redo mitral valve surgery
A. Roubelakis



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Friday May 16, 2025

15.30 – 17.00

Core knowledge: M-TEER session

Anchorperson: **I. Iakovou**

Moderators: **A. Roubelakis, P. Koutrolou, A. Triantafyllis**

Anatomy of the mitral valve

M. Boutsikou

Patient selection for M-TEER

D. Aravantinos

Imaging pre and post procedure

M. Drakopoulou

Sponsored case presentation (p.20)

Sponsored case presentation (p.20)

Sponsored case presentation (p.20)

17.00 – 17.30

Coffee break

17.30 – 18.30

Case-based discussions II: aortic valve

Anchorperson: **G. Latsios**

Moderators: **S. Kaliampakos, A. Trichona, E. Poulidakis,**

D. Syrseloudis

Henry Dunant Hospital

V. Tzifos

St Luke's Hospital

D. Tsikaderis

Interbalkan Hospital

I. Ninios

Metropolitan Hospital

A. Kolyviras



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Hygeia Hospital
M. Koutouzis

Henry Dunant Hospital Center
N. Pilatis

Athens Medical Center
A. Taleb

18.30 – 19.30

HEART TEAM IN ACTION - II
Anchorman: **G. Gavrielatos**

Heart Team - Hemodynamic Studies & Interventional Cardiology
Department, Onassis Cardiac Surgery Center
I. Iakovou

Case presentation
I. Kosmas, D. Tsoukalas

Commentators: **E. Leontiadis, G. Stavridis**

Heart Team - Cardiology Clinic, "Evangelismos" A.G.H.
A. Trikas, I. Kokotsakis

Case 1: TAVI in a failed small bioprosthetic non fracturable
valve menacing LM
K. Triantafyllou

Case 2: TAVI in a failed bioprosthetic valve and LAA occlusion
St. Georgopoulos

Commentators: **A. Zacharoulis, L. Pappas**



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Friday May 16, 2025

19.30 – 20.30

Fundamentals: Forum for the Young Community

Anchorperson: **K. Lampropoulos**

Moderators: **E. Dri, G. Trantalís, G. Tzanis, D. Aravantinos**

Large-bore vascular access

F. Toulgaridis

TEE/TOE: what the interventionalist must know

A. Vrettos

Pre-operative CT assessment

Z. Tsoumani

Performing TAVI

K. Stathogiannis

The ideal TS puncture

K. Kalogeras

Performing M-TEER

K. Katsianos

20.30 – 21.00

Grand Lectures

Anchorpersons: **T. Kilic, G. Pattakos**

The revolution of transcatheter therapies in aortic valve

K. Spargias

The evolution of surgical therapies in aortic valve

P. Sardari Nia



Saturday May 17, 2025

09.00 – 10.00

Core knowledge: tricuspid valve

Joint Session IV: cardiologists and cardiac surgeons

Anchorperson: **S. Pattakos**

Moderators: **E. Leontiadis, C. Kotoulas, G. Giamouzis, E.-A. Agathos**

Anatomy, nomenclature, and etiology of tricuspid valve disease

I. Kosmas

Best imaging modality to visualize the tricuspid valve. Pros and cons

A. Krommydas

Residual TR after transcatheter repair – clinical implications

F. Sawaya

Annuloplasty for TR

V. Costache

Endoscopic tricuspid valve repair

F. Mitropoulos

10.00 – 11.30

Core knowledge: T-TEER session

Anchorperson: **A. Trikas**

Moderators: **I. Skoularigkis, E. Skalidis, A. Tsoukas, K. Spargias**

Sponsored case presentation (p.20)

Pre-procedural optimization and defining procedural success

M. Didangelos

Patient selection for T-TEER

K. Papadopoulos

Imaging pre and post procedure

K. Aggeli

Sponsored case presentation (p.20)

Sponsored case presentation (p.20)

11.45 – 12.00

Coffee break



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Saturday May 17, 2025

12.00 – 13.30

Core knowledge: TTVR session

Anchorperson: **T. Kilic**

Moderators: **A. Krommydas, V. Ninios, P. Danias**

Patient selection for TTVR

F. Praz

Imaging pre and post procedure: echocardiography

M. Chrissoheris

Imaging pre procedure: CT

C. Mourmouris

Sponsored case presentation (p.20)

Sponsored case presentation (p.20)

13.30 – 14.30

Case-based discussions III: aortic valve

Anchorperson: **A. Zacharoulis**

Moderators: **A. Karanasos, K. Stathogiannis, L Poulimenos,**

G. Gavrielatos

Ippokrateio Hospital

A. Synetos

Euroclinic Hospital

K. Lampropoulos

Athens Medical Center

A. Chalapas

St Luke's Hospital

P. Dardas

Ippokrateio A.G.H.

K. Aznaouridis

Attikon Hospital

F. Kolokathis



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Saturday May 17, 2025

European Interbalkan Medical Centre
Ch. Arampatzis

Hygeia Hospital
N. Georgakopoulos

Athens Naval Hospital
A. Mastrokostopoulos

14.30 – 15.30 Lunch break

15.30 – 16.15 **Rapid-fire session: A glimpse into the future**
Anchorperson: **P. Vardas**
Moderators: **A. Pipilis, S. Makrygiannis, A.-D. Mavrogianni, C. Siama**

Future outlook for transcatheter AV therapies
A. Karanasos

Future outlook for transcatheter MV therapies
J. Grapsa

Future outlook for transcatheter TV therapies
V. Exarchos

Future outlook for surgical therapies
A. Roussakis

16.15 – 17.15 **Core knowledge: Structural heart interventions**
Anchorperson: **D. Alexopoulos**
Moderators: **K. Dimitriadis, I. Ntarladimas, G. Garidas, A.-D. Mavrogianni**

Transcatheter interventions for the pulmonic valve
A. Tzifa

Transcatheter PVL closure in the mitral valve
A. Chalapas



Saturday May 17, 2025

Surgical therapies for MV/AV PVLs

M. Panagiotou

Deciding on when and how to perform transcatheter ASD/PFO closure

A. Mitsis

Left atrial appendage occlusion - single procedure or combining with catheter ablation?

D. Asvestas

17.15 – 17.30

Coffee break

17.30 – 18.15

Grand lectures

Anchorpersons: **K. Tsioufis, K. Spargias**

Interventional therapies for heart failure

T. Kilic

Transcatheter valve therapies: the paradigm shift

M. Garbi

TAVI in women

G. Dangas

METACLINICAL Medicine and the Non-Human Physician:

An Unavoidable Destiny

P. Vardas

18.15 – 19.15

HEART TEAM IN ACTION - III

Anchorperson: **I. Kanakakis**

Heart Team – 1st University Department of Cardiology, Hippokration General Hospital of Athens

K. Tsioufis

Heart Team – 2nd Department of Cardiology, European Interbalkan Medical Center

V. Ninios

19.15

Closing remarks



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P. Sardari Nia / Senior Consultant Cardiothoracic Surgeon, Department of Cardiothoracic Surgery, Maastricht University Medical Center, The Netherlands

F. Sawaya / American University of Beirut, Lebanon

C. Siama / Cardiologist, Cardiac Ultrasonography Department, Hygeia Hospital, Athens, Greece

E. Skalidis / Interventional Cardiologist, Professor of Cardiology, University of Crete, University General Hospital of Heraklion, Greece

P. Skandalakis / Emeritus Professor National and Kapodistrian University of Athens, President of the Heal Academy, Greece

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D. Syrseloudis / Cardiologist, Cardiology Department, "Ippokratio" Hospital, Athens, Greece

A. Taleb / Interventional Cardiologist, Complex and High Risk Coronary Interventions, Structural Heart Disease, Balloon Pulmonary Angioplasty, Athens Medical Center

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G. Trantalís / Consultant Cardiologist, Cardiology Dept, General Hospital of Athens "Hippokratio", Head of Echo Lab

A. Triantafyllis / MD, PhD, EEGC, EAPCI Certified, Interventional Cardiologist, Cardiology Department, Asklepeion General Hospital, Voula, Athens, Greece

K. Triantafyllou / Consultant Interventional Cardiologist, G.H. "Evangelismos", Athens, Greece

A. Trichona / Cardiologist, Hygeia Hospital, Athens, Greece



**TRANSCATHETER
HEART VALVES
GREECE 2025**

MAY 16 - 17, 2025

**N. LOUROS
CONFERENCE CENTER
MITERA HOSPITAL**



FACULTY

A. Trikas / Cardiologist, PhD, Coordinator Director, Cardiology Clinic, "Evangelismos" GH, Athens, Associate Professor of Medical School University of Athens, Greece

G. Tsigkas / Associate Professor, Interventional cardiologist

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D. Tsoukalas / Cardiologist, Onassis Cardiac Surgery Center, Athens, Greece

A. Tsoukas / MD, PhD, FESC, Director of Cardiology, Head of Echo Lab, Mediterraneo Hospital, Athens, Greece

Z. Tsoumani / Consultant Cardiologist in Cardiovascular Imaging, EACVI level 3 accreditation in CMR and cardiac CT, Affidea Central, Athens, Greece

G. Tzanis / Head, Interventional Cardiology Dept, Metropolitan General Hospital, Athens, Greece

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S. Vaina / Interventional Cardiologist, Consultant, G. H. Ippokratio, Athens, Greece

P. Vardas / Emeritus Professor of Cardiology, Chairman of Heart Sector Hygeia Hospital Group, President of the European Society of Cardiology (2012-2014)

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V. Voudris / Consultant Interventional Cardiologist, Cardiology Department, Onassis Cardiac Surgery Center, Athens, Greece

A. Vrettos / Multimodality Cardiac Imaging, Heart Failure & Valve Disease Department of Transcatheter Heart Valves, Hygeia Hospital, Athens, Greece

A. Zacharoulis / Interventional Cardiologist, "EVANGELISMOS" General Hospital, Athens, Greece

M. Zairis / Interventional Cardiologist, Director, Metropolitan Hospital, Athens, Greece



SPONSORED CASE PRESENTATIONS

Friday May 16, 2025

- HEART TEAM IN ACTION - I**
- 13.00 – 13.30 Case: Valve-in-Valve in Mitral and Tricuspid with Myval *(supported by Meril)*
Heart Team - 1st University Cardiology Department,
Hippokration A.G.H.
K. Toutouzas
- Core knowledge: M-TEER session
- 16:00 – 16:10 M-TEER case with PASCAL: case-based discussion *(supported by Edwards)*
M. Chrissoheris
- 16:10 – 16.35 Case with **PASCAL**: case-based discussion *(supported by Edwards)*
A. Tzikas
- 16:35 – 17.00 Case with **MitraClip**: case-based discussion *(supported by Abbott)*
N. Mezilis

Saturday May 17, 2025

- Core knowledge: T-TEER session
- 10.00 – 10.25 Case with **PASCAL**: case-based discussion *(supported by Edwards)*
M. Vavuranakis
- 10.55 – 11.20 Case with **TriClip**: case-based discussion *(supported by Abbott)*
V. Ninios
- 11.20 – 11.35 Case with **PASCAL**: case-based discussion *(supported by Edwards)*
M. Chrissoheris
- Core knowledge: TTVR session
- 12.30 – 12.55 Case with **Evoque**: case-based discussion *(supported by Edwards)*
K. Spargias
- 12.55 – 13.20 Case with **Lux-valve plus**: case-based discussion
K. Spargias



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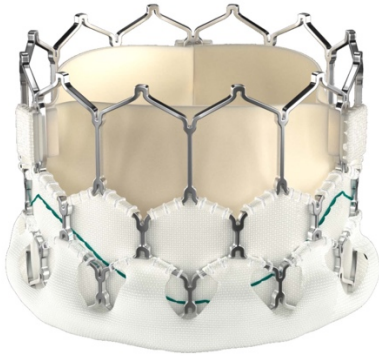
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Conventional Sizes		20mm, 23mm, 26mm, 29mm
Intermediate Sizes		21.5mm, 24.5mm, 27.5mm
XL Sizes		30.5mm, 32mm

**At the heart of life.
At the heart of precision.**

One-year outcomes of the TriCLASP post-market study

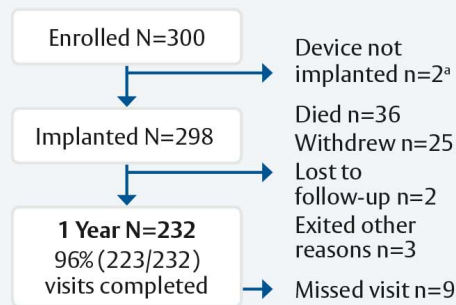
At one-year the PASCAL system demonstrated significant and sustained clinical benefits for patients with clinically significant TR:

- ✓ High Survival and low rates of HF hospitalisation
- ✓ Significant and sustained TR reduction
- ✓ Clinically meaningful improvements in functional status and quality-of-life
- ✓ Low rates of MAEs

Study design

Prospective, multicentre, single-arm, post-market clinical follow-up study to evaluate the **safety and effectiveness of the PASCAL system** in patients with **symptomatic, severe or greater TR**, in a European post-market setting.

Patient enrollment



Baseline characteristics

- 300** patients, **80±6** years old
- 78%** NYHA III/IV
- 81%** FTR / mixed^b
- 91%** Atrial fibrillation
- 76%** TR ≥ severe^c
- 62%** Kidney disease

^a1 due to complex anatomy, 1 had cardiac arrest during the procedure and the device was not implanted because grasping was deemed not possible. ^bPrimary 15.7%, pacemaker related 2.0%, indeterminate 1.3%. ^cCore laboratory: Cardialysis, Rotterdam, The Netherlands.

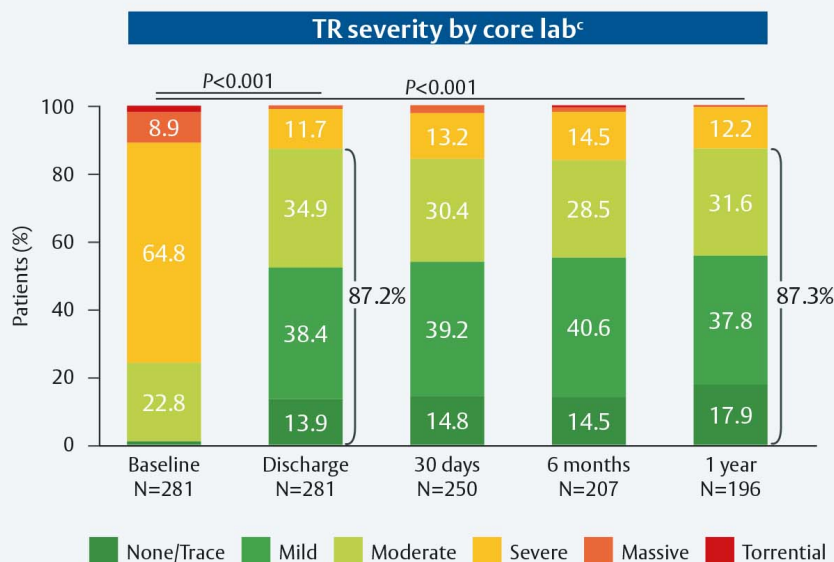
Low Major Adverse Events rate at 30 days¹

- 1.7%** Composite MAE rate
- 1.3%** All-cause mortality
- 2.3%** SLDA rate

¹n=291 patients, denominator includes patients who had an event and/or were followed to at least 30 days. Patients may have had more than one event.

Significant and sustained TR reduction to 1 year

87%
of patients
with TR ≤ 2+
at 1-year with the
PASCAL system





MitraClip™
Transcatheter Edge-to-Edge Repair

PUSHING THE BOUNDARIES IN MR REDUCTION¹



91%
WITH MR $\leq 1+$
Highest MR
reduction in TEER*



5 YEARS
DURABILITY**
Longest durability
in TEER to date



35 MINS
DEVICE TIME
Shortest device
time to date



4 CLIP SIZES
AVAILABLE
Tailored repair for complex
& non-complex anatomies

MORE THAN **150.000** LIVES CHANGED

REFERENCES

1. Von Bardeleben R.S., Contemporary Clinical and Echocardiographic Outcomes of 1000+ Patients Treated with MitraClip(TM) G4: Results from the EXPAND G4 Post Approval Study. Data Presented at TCT 2022.
*MR reduction at 30 days. **EVEREST II Family of trials, Final Report on file.

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Two-year results from the CLASP IID randomized trial: the first head-to-head TEER trial in patients with degenerative MR

At 2-Years the PASCAL system demonstrates sustained safety and effectiveness for prohibitive surgical risk DMR patients:

✓ Favorable survival

✓ Significant and sustained MR reduction

✓ Significant and consistent improvements in functional status and quality-of-life

Study design

The CLASP IID trial is the first prospective, multicenter, multinational, randomized controlled pivotal trial comparing two contemporary TEER therapies in prohibitive-surgical-risk patients with significant symptomatic 3+ or 4+ DMR¹.



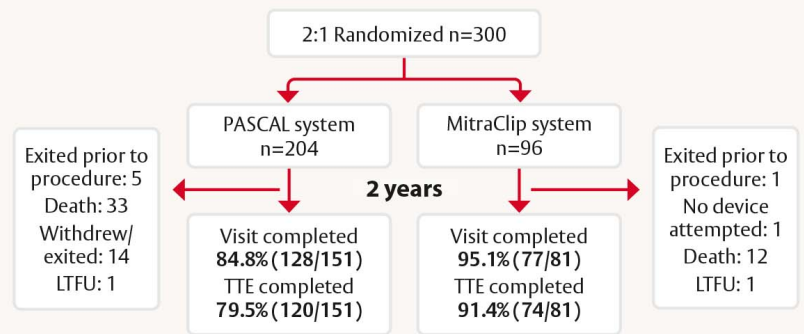
54 sites in U.S., Canada, Europe



Most users were new to the PASCAL system, all were experienced with MitraClip



Independent Echocardiographic Core Laboratory, Central Screening Committee, Clinical Events Committee and Data Safety Monitoring Board

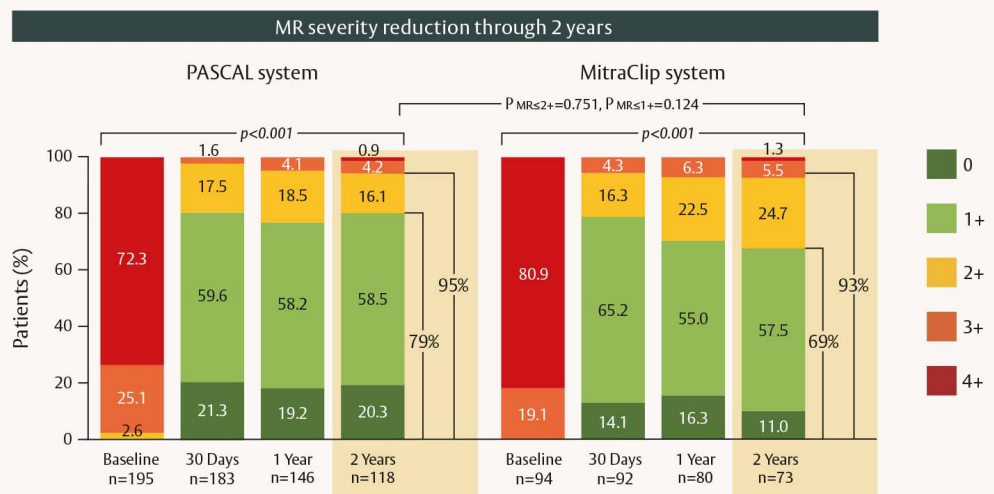


PASCAL system is safe and effective with proven clinical results

The CLASP IID trial met its primary safety and effectiveness endpoints with the PASCAL system demonstrating low 30-day MAE rate and significant MR reduction at 6 months¹. At one year, the PASCAL system demonstrated high survival, significant and sustained MR reduction and improvements in functional and quality-of-life outcomes¹. Here we report the 2 years outcomes of the CLASP IID trial.

Significant and sustained MR reduction at 2 years

79% of patients showed sustained MR 0/1+ at 2 years with the PASCAL system



Graph shows unpaired analysis. MR severity assessed by TTE.

MR: mitral regurgitation, TEER: transcatheter edge-to-edge, DMR: degenerative mitral regurgitation, USA: United States of America, LTFU: lost to follow up, TTE: transthoracic echocardiography, MAE: major adverse events.





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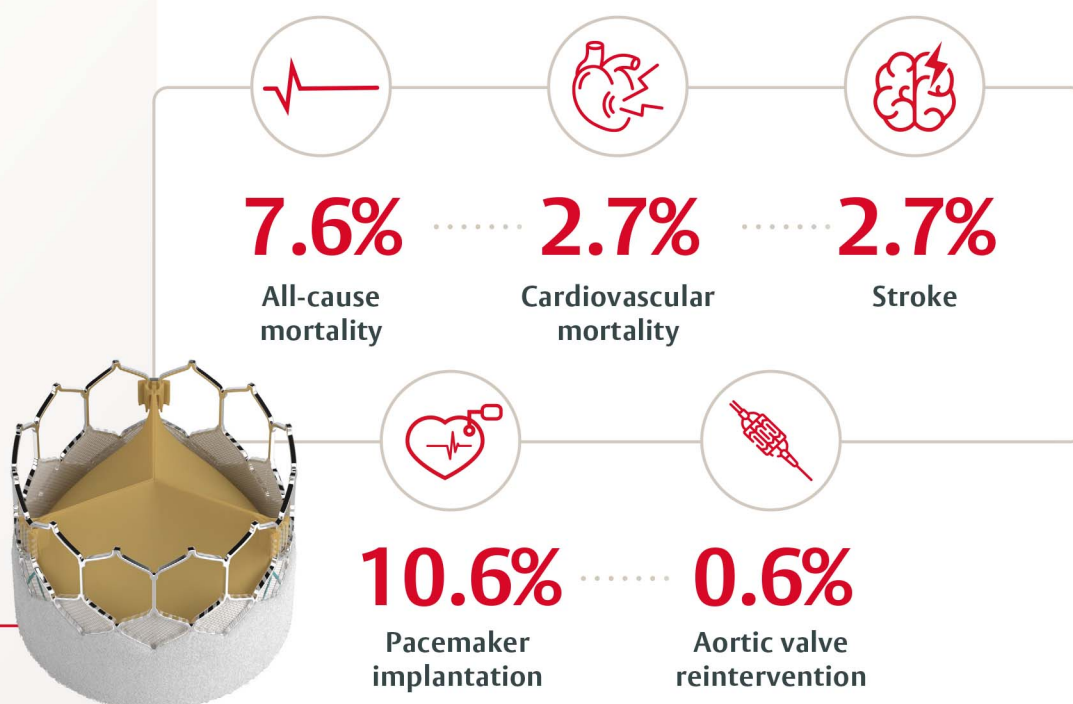
1-year real-world outcomes of TAVI with the SAPIEN 3 Ultra RESILIA valve

Kini AS et al. *JACC: Cardiovasc Interv.* 2024; <https://www.jacc.org/doi/10.1016/j.jcin.2024.11.015>

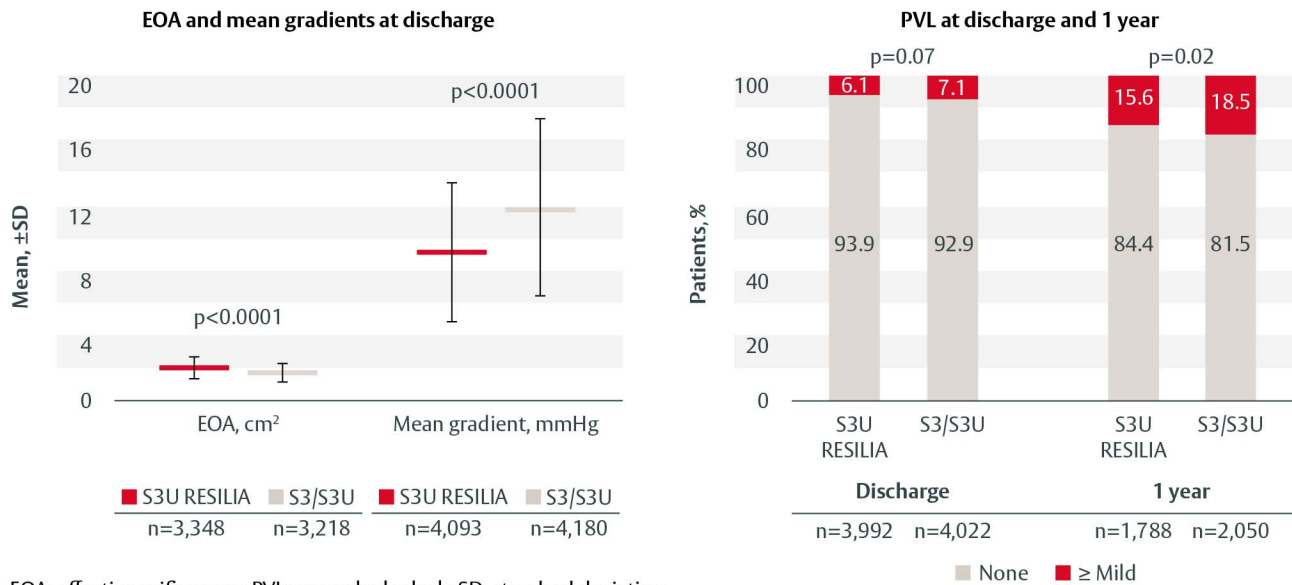
Study design	Device(s) used	SAPIEN 3 Ultra RESILIA size distribution	Key patient demographics
 Data from TVT registry N=4,598 propensity-matched pairs	 SAPIEN 3 Ultra RESILIA valve vs SAPIEN 3/ SAPIEN 3 Ultra	 20 mm: 3.3% 23 mm: 32.2% 26 mm: 42.8% 29 mm: 21.8%	 Mean age, years (\pm SD): 76.7 (8.8) STS score, % (\pm SD): 3.6 (3.5)

Outstanding outcomes for the SAPIEN 3 Ultra RESILIA valve at 1 year

Data from an all-comers, real-world registry confirm the excellent performance of the SAPIEN 3 Ultra RESILIA valve

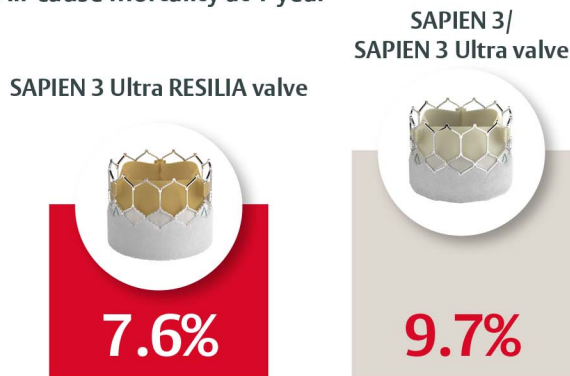


The echocardiography results of the SAPIEN 3 Ultra RESILIA valve highlight the outstanding performance of the SAPIEN 3 platform

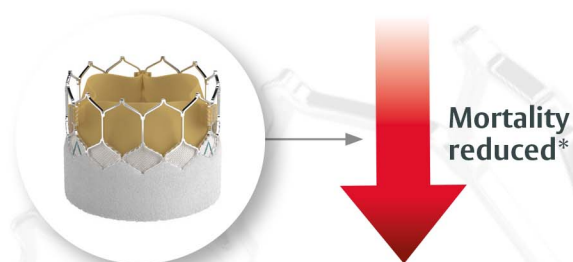


Mortality benefit of the SAPIEN 3 Ultra RESILIA valve

All-cause mortality at 1 year



Significantly lower PVL with the SAPIEN 3 Ultra RESILIA valve



*Greater than or equal to mild PVL was associated with increased 1-year mortality (HR: 1.31, 95% CI: 1.20–1.43). Significantly lower PVL drove mortality reduction with the SAPIEN 3 Ultra RESILIA valve

Conclusions



- **Excellent 1 year results** of the SAPIEN 3 Ultra RESILIA valve
- The mortality benefit was mainly driven by a **significant reduction in PVL at discharge**
- The SAPIEN 3 Ultra RESILIA valve has strong indications for lifetime management, including younger, low-risk patients

Reference

1. Kini AS, Tang GHL, Yaryura R *et al.* One-year real-world outcomes of TAVR with the fifth-generation balloon expandable valve in the United States. *JACC Cardiovasc Interv.* 2024; doi:10.1016/j.jcin.2024.11.015

No clinical data are available to evaluate the long-term impact of RESILIA tissue in patients. Additional clinical data for up to 10 years of follow-up are being collected to monitor the long-term safety and performance of RESILIA tissue.

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