

SEPTEMBER 26TH-27TH, 2025

Congress Hall 8th floor, San Luca Hospital,
P.le Brescia 20, 20149, Milan, Italy

SHIFTING THE PARADIGM:



TRANSFORMING THE APPROACH TO SECONDARY
TRICUSPID REGURGITATION WITH PRECISION ECHOCARDIOGRAPHY

Course directors:
Prof. Denisa Muraru,
Dr. Michele Tomaselli,
Prof. Luigi Badano

FRIDAY 26th September, 2025

8:30 The current practice of echocardiography for assessing patients with tricuspid regurgitation. Results from the EACVI survey (Denisa Muraru, Milan, Italy)

SESSION 1 The Cinderella valve turns into the princess valve

Chairs: Luigi Badano (Milan, IT), Anna Sannino (Berlin, D)

9:00-9:20 Anatomy of the tricuspid valve and the tricuspid annulus (Carlo Beretta, Bergamo, IT)

9:20-9:40 Prevalence, classification, and natural history of the different phenotypes of tricuspid regurgitation (Denisa Muraru, Milan, IT)

9:40-10:00 Echocardiographic anatomy of the tricuspid valve by transthoracic and transesophageal echocardiography (Francesco Faletra, Lugano, CH)

10:00-10:20 How to assess the tricuspid annulus. Does 3D, artificial intelligence and augmented reality really help.

10:20-11:00 Q&A

SESSION 2. Are current guidelines accurate enough to assess the severity of tricuspid regurgitation?

Chairs: Eustachio Agricola (Milan, IT), Denisa Muraru, Milan, IT)

11:00-11:20 The limits of the current assessment of the severity of TR (Luigi Badano, Milan, IT)

11:20-11:40 Revisiting the PISA method to apply it to the patients with secondary tricuspid regurgitation (Michele Tomaselli, Milan, IT)

11:40-12:00 New, hemodynamically sound cut-off values to grade the severity of secondary tricuspid regurgitation using the corrected PISA method (Alexandra Buta, Bucharest, IT)

12:12:20 How to use the multiparametric approach in clinical practice (Noela Radu, Milan, IT)

12:20 Q&A

13:00 Lunch

SESSION 3. New parameters to assess secondary tricuspid regurgitation severity

Chairs: TBA

14:00-14:15 3D vena contracta planimetry to overcome the geometric assumptions (Giorgia Benzoni, Milan, IT)

14:15-14:30 The 3D volumetric method to overcome the fluidodynamic assumptions (Michele Tomaselli, Milan, IT)

14:30-14:45 The regurgitant fraction measured by 3D echocardiography: a new kid on the blocks (Alexandra Clement, Iasi, RO)

14:45-15:00 Do we need sex-specific threshold values to assess patients with secondary tricuspid regurgitation? (Michele Tomaselli, Milan, IT)

15:00-15:15 How to personalize the risk of adverse events in patients with secondary tricuspid regurgitation? (Noela Radu, Milan, IT)

15:15-15:30 Do we need to change the current guidelines for the echocardiographic assessment of secondary tricuspid regurgitation? (Luigi Badano, Milan, IT)

15:20-16:00 Discussion

16:00-18:00 HANDS-ON SESSIONS

16:00- 17:00 Echo Lab room 418:

3D and strain dataset acquisitions from models using GE E95 (5 persons allowed)

16:00- 17:00 Echo Lab room 419:

3D and strain dataset acquisitions from models using Epic (5 persons allowed)

16:00- 17:00 Echo Lab room 420:

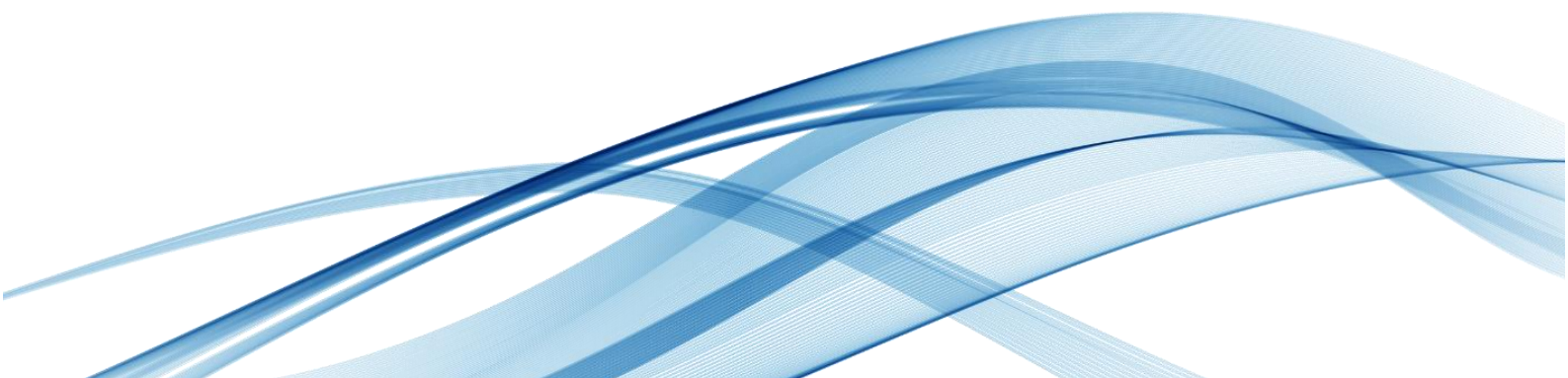
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16:00-18:00 Congress Hall

Analysis of raw datasets from patients with tricuspid regurgitation on ECHOPac dedicated workstations (20 persons allowed) (Prof. Denisa Muraru)

16:00-18:00 Master Class Hall.

Analysis of raw datasets from patients with tricuspid regurgitation on Philips dedicated workstations (20 persons allowed) (Dr. Eustachio Agricola)



SESSION 4 The conundrum of assessing the right ventricle in patients with TR

Chairs: Michele Tomaselli (Milan, IT), Noela Radu (Milan, IT)

9:00-9:20 The right ventricle as a key player in determining the outcomes in patients with TR (Anna Sannino, Berlin, Germany)

9:20-9:40 Strain imaging used to assess the right ventricle (Federico Fortuni, Milan, Italy)

9:40-10:00 How 3D echocardiography moved the field forward (Luigi Badano/Denisa Muraru, Milan IT)

10:00-10:20 Application of artificial intelligence to echocardiography to measure right ventricular size and function (Attila Kovacs, Budapest, H/ Laura Fusini, Milan, IT)

10:20-11:00 Q&A

SESSION 5. The right atrium: the most neglected cardiac structure reevaluated

Chairs: TBA

11:00-11:20 The hemodynamics of the right atrium in patients with TR (Claudia Baratto, Milan, IT)

11:20-11:40 How to assess the right atrium by echocardiography?

11:40-12:00 Geometrical and functional remodeling of the right atrium and outcomes in patients with secondary tricuspid regurgitation (Michele Tomaselli, Milan, IT)

12:12:20 Rest and exercise right heart catheterization in patients with TR: Why? To whom? (Sergio Caravita, Milan, IT)

12:20 Q&A

13:00 Lunch

13:30 Key note lecture: The Last Decade in Tricuspid Regurgitation: How Imaging Shaped a Field. (Rebecca T Hahn, New York, USA)


SESSION 6. How to treat patients with tricuspid regurgitation and assess them during follow-up

14:00-14:15 Opportunities and challenges of the medical therapy (Cosmo Godino, Milan, IT)

14:15-14:30 How to select patients for cardiac surgery vs. transcatheter treatment (Francesco Maisano, Milan, IT)

14:30-14:45 Transcatheter treatment options for tricuspid regurgitation (Alessandro Sticchi, Pisa, IT)

14:45-15:00 Echocardiographic imaging to guide transcatheter procedures for the tricuspid valve (Francesco Ancona, Milan, IT)



15:00-15:20 Echocardiographic follow-up after transcatheter procedures (Eustachio Agricola, Milan, IT)

15:20-16:00 Q&A

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