# TRICUSPID VALVE IMAGING

**Start At**
**09:00 AM**

## INNOVATE AND ELEVATE

New vs Old Echocardiographic Parameters Used to Assess Patients with Tricuspid Regurgitation Before and After Interventions

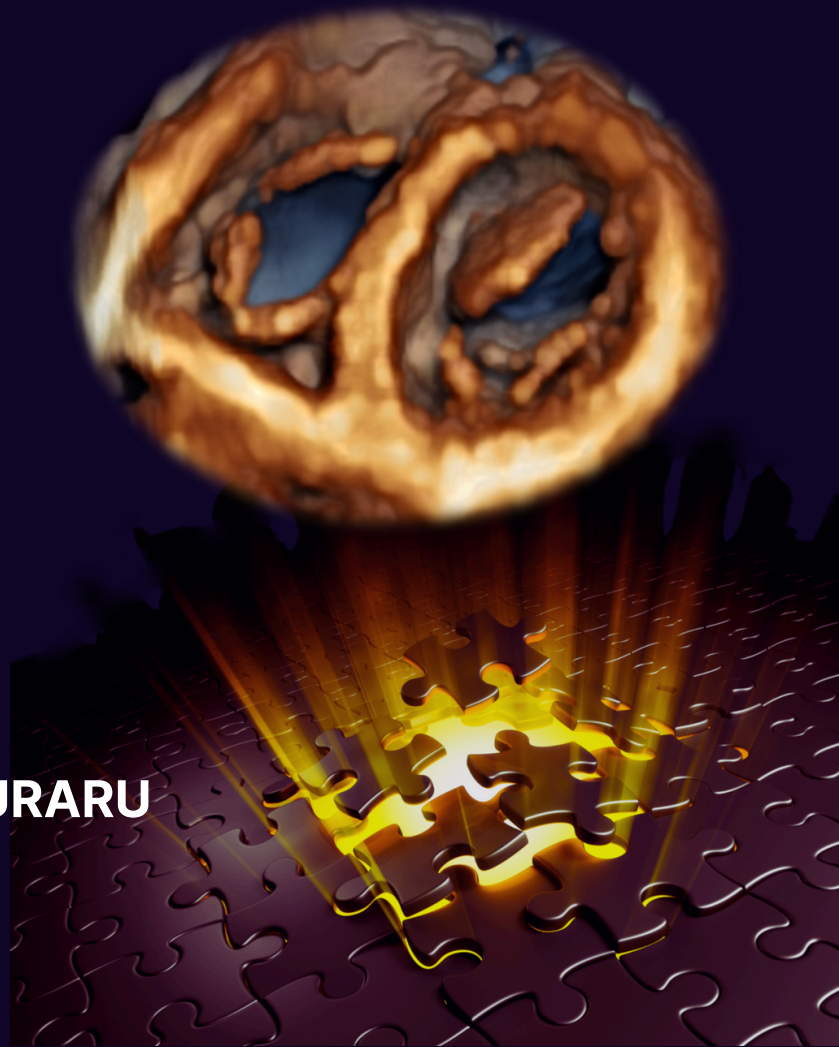**5** **OCTOBER 2024**

**Course Director:**

**Assoc. Prof. DENISA MURARU**

## SCIENTIFIC COMMITTEE:

Prof Luigi P. Badano, MD, Ph.D., FACC, FESC, Honorary fellow ASE, BSE, and EACVI

Prof Gianfranco Parati, MD, FESC, Honorary Professor of Cardiovascular Medicine

Samantha Fisicaro, RCS

Francesca Heilbron, MD

Giorgio Oliverio, MD

Marco Penso, BME

Noela Radu, MD

Valeria Rella, MD, PhD

Michele Tomaselli, MD

## VENUE:

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

The Course will provide a practical how-to approach to assess patients with tricuspid regurgitation using conventional and advanced Strain & 3D Echocardiography tools. Current improvements in available software packages have resulted in increasing clinical application of these techniques, with 3D and Strain becoming part of the routine echocardiographic examination. A strong emphasis will be placed on practical aspects of data acquisition in the echo lab, and analysis of 3D data sets on dedicated workstations.

**Learning Objectives**

**Attendees will have the opportunity to learn how to:**
- **Recognize the clinical application of advanced echo imaging techniques in the assessment of patients with tricuspid regurgitation.**
- **Improve acquisition of optimal quality 3D data sets**
- **Perform 3D analysis to assess the right ventricle, the right atrium and the tricuspid valve**
- **Perform strain imaging analysis to assess the right ventricle and the right atrium**
- **Image the tricuspid valve during transcatheter procedures**

The registration will be offered free of charge by Istituto Auxologico Italiano, IRCCS. Early registration is recommended since the overall attendance will be limited to 100 and the hands-on sessions will be limited to the first 40 who register.

E-mail for online registration: **ecolabsanluca@auxologico.it**

## SESSION 1. New advances on tricuspid regurgitation

9:00-9:20 Prevalence, classification, and natural history of the different phenotypes of tricuspid regurgitation
9:40-10:00 Echocardiographic imaging protocol for patients with tricuspid regurgitation
10:00-10:20 Assessing tricuspid regurgitation severity - current guidelines and new approaches
10:20-10:40 How to image and measure the tricuspid annulus.
10:40-11:00 Discussion

## SESSION 2. The conundrum of assessing the right heart chambers

11:00-11:20 Pros and cons of conventional 2D and Doppler echocardiography assessment
11:20-11:40 3D and strain imaging used to assess the right ventricle
11:40-12:00 3D and strain imaging used to assess the right atrium
12:00-12:20 Non-invasive assessment of right ventricular-pulmonary artery coupling
12:20 Discussion

## Lunch break

## SESSION 3. Hands-on workshops

14:00- 15:30 Echo Lab room 418: 3D and strain dataset acquisitions from models using GE E95 (5 pax)
14:00- 15:30 Echo Lab room 420: 3D and strain dataset acquisitions from models using GE E95 (5 pax)
14:00-15:30 Congress Hall. Analysis of raw data sets from patients with tricuspid regurgitation on ECHOPac dedicated workstations (20 pax)
15:30- 17:00 Echo Lab room 418: 3D and strain dataset acquisitions from models using GE E95 (5 pax)
15:30- 17:00 Echo Lab room 420: 3D and strain dataset acquisitions from models using GE E95 (5 pax)
15:30-17:00 Congress Hall. Analysis of 3D data sets from patients with tricuspid regurgitation on ECHOPAC workstations (20 pax)