



Elections to EACVI Board 2024-2026

Application for the position: *(Select one position)*

- ☒ EACVI President-Elect
☐ EACVI Treasurer
☐ EACVI Secretary
☐ EACVI Councillor (Echocardiography)
☐ EACVI Councillor (Cardiovascular Magnetic Resonance)
☐ EACVI Councillor (Nuclear Cardiology & Cardiac CT)
☐ EACVI Vice-President-Elect (Echocardiography)
☐ EACVI Vice-President-Elect (Cardiovascular Magnetic Resonance)
☐ EACVI Vice-President-Elect (Nuclear Cardiology & Cardiac CT)
☐ EACVI Ordinary Nominating Committee member

1. Your Identity		
Title	Assoc. Prof.	
Family Name(s)	MURARU	
First Name(s)	DENISA	
Birth Date	03 April 1979	
Type of address	Business <input checked="" type="checkbox"/>	Home <input type="checkbox"/>
Institute/Organisation	University of Milano-Bicocca	
Department	Department of Medicine and Surgery	
Address	Istituto Auxologico Italiano, IRCCS, San Luca Hospital - Piazzale Brescia 20	
Post Code/Zip	20149	
City	Milan	
Country	Italy	
Mobile Phone	[REDACTED]	
Phone	[REDACTED]	
Email	[REDACTED] [REDACTED]	



**2. Previous experience(s) in the EACVI or ESC or your National Bodies?****Experience and positions held within EACVI/ESC:**

Since 2007	ESC/EACVI(EAE) member
2010-2012	Club 35 Committee member Club 35 Ambassador for Romania
2012-2014	Chair of Club 35 Committee - EACVI Board Member of Scientific Documents Committee Member of European Communities Committee
2014-2016	HIT Committee member (Past Chair) Member of Scientific Documents Committee Member of Web & Communication Committee
2016-2018	Elected Councillor - EACVI Board Education Committee (Chair) Member of Scientific Documents Committee Member of EACVI Task Force of Multi-Modality Imaging (MMI) Member of EACVI FoCUS Task Force
2018-2020	Elected Councillor (Echo Section) - EACVI Board Education Committee (Chair) Member of Scientific Documents Committee Member of Web & Communication Committee Member of EACVI Excellence in Education Awards Task Force Member of ESC Education Committee (EACVI representative) Member of ESC Task Force of Live Events Endorsement (EACVI representative) Member of ESC Congress Program Committee (EACVI representative)
2020-2022	Elected Vice-President Elect (Echo Section) - EACVI Board Research and Innovation Committee (Chair) Member of ESC Education Committee (EACVI representative) Member of ESC Clinical Case Gallery Task Force
2022-2024	Vice-President (Echo Section) - EACVI Board Web and Communication Committee (Deputy Chair)



**Other memberships:**

HFA Silver Member, EAPCI Regular Member, ESC WG on Myocardial and Pericardial Diseases, ESC Council on Hypertension, Italian Society of Cardiology - Valvular Heart Disease WG, SIECVI

Summary of main EACVI projects and activities

- **Organized and developed the Scientific Program for three EACVI Conferences** (EuroEcho Imaging 2024 and 2021, and EACVI 2023). Implemented for the first time practical sessions with **hands-on tutorials using TOE simulator** and organized them for EuroEcho Imaging congresses (2014-2019, 2023-2024), being highly successful to date. Promoted the participation of women and young EACVI HIT as Faculty presenters.
- **Lead Author of EACVI Consensus Statements:**
 - How to Conduct Clinical Research in Cardiovascular Imaging: A Primer for Clinical Cardiologists and Researchers. A Statement of the European Association of Cardiovascular Imaging (EACVI) of the ESC (2024).
 - Three-Dimensional Transthoracic Echocardiography: imaging principles and clinical value in routine practice. A Clinical Consensus Statement of the European Association of Cardiovascular Imaging (EACVI) of the ESC (2025).
- **Co-author and Reviewer of EACVI Clinical Consensus Statements**, including the **2015 ASE/EACVI Chamber Quantification by Echocardiography** document (right ventricle subchapter).
- **Principal Investigator and Promoter of EACVI TERRA Study** (TEst Retest reproducibility of Right heArt parameters by echocardiography and cardiac magnetic resonance)
ClinicalTrials.gov ID NCT06193655 – ongoing.
- **Promoted the Project on Radiation Exposure of Interventional Imagers of the EACVI Echo Section:** Galli E, ...Muraru D. EACVI Survey on radiation exposure in interventional echocardiography. *Eur Heart J Cardiovasc Imaging* 2024;25:727-34
- Proposed and implemented since 2020 the **EACVI Excellence in Education Awards**, project aimed to recognize outstanding educators in the field of cardiovascular imaging
- Directed and organized the **EACVI 3D Echo Tutorials on Valvular Heart Disease** - upcoming set of practical tutorials including filmed demonstrations and digital recordings, to be launched at EuroEcho Imaging 2024
- Directed the **EACVI Webinar Program** between 2017 and 2020, implementing *the first EACVI Webinar Series* (3 consecutive webinars focused on MMI in transcatheter valvular interventions in 2018) and the *EACVI Free Webinar Playlist* on YouTube (unrestricted access to the best EACVI webinars)
- Implemented for the first time in 2017 the **EACVI Teaching Course on 2D and 3D TOE** as an international theoretical course with expert-guided hands on practice on TOE manikin simulators and on multivendor workstations, gathering approximately 100 participants/edition in Sophia Antipolis (2017; 2018) and Prague (2019-2024), with great success, excellent feedback, participants attending multiple editions or subscribing on waiting lists.
- Proposed to showcase the EACVI educational offer as the **EACVI Continuing Education and Training Catalogue** - implemented online and printed yearly since 2018.
- Proposed (as Chair of EAE Club 35) and obtained approval from EAE Board for the introduction of **EACVI Training Grants** designing and implementing the project together with the Club 35 Committee.





- Organizing Committee member for **EACVI Hands-on Teaching Courses** dedicated for the young community in Athens (2013), Sofia (2014) and Antalya (2015, 2018) and Faculty at several **EACVI Teaching Courses** held in Italy, Romania, Turkey and Macedonia, **EACVI Echocardiography Core Curriculum Teaching Course** at EuroEcho Imaging Congress (2017, 2018, 2019).
- Proposed and coordinated the paper: Schuurin MJ, Anwer S, Petersen SE, Moharem-Elgamal S, Muraru D. **Social media for cardiac imagers: a review**. Eur Heart J Cardiovasc Imaging. 2024 Apr 23;jeae109. doi: 10.1093/ehjci/jeae109.
- Proposed and supervised the project **EACVI Cardio Talk Podcast Series** from the EACVI Web & Communication Committee featuring interviews of experts and key opinion leaders in cardiovascular imaging about the latest novelties, research studies and educational content.
- Served as **Social Media Editor** of the **European Heart Journal – Cardiovascular Imaging** on X (former Twitter).
- Proposed and implemented **Young Network of Cardiovascular Imaging LinkedIn Group** as EAE Club 35 Chair.
- Contributor to EACVI Level 1 Course, 3D Echo Box Atlas, EACVI Echo Handbook, e-Learning TTE Course
- Abstract reviewer for EuroEcho Imaging and ESC Congress.

3. Are you a Board or Nucleus Member of another scientific organisation?

Yes ☐ No ☒

If Yes, please specify:

4. Selected publications (please list 10 max)

1. **Muraru D**, Badano LP, Hahn RT, Lang RM, Delgado V, Wunderlich NC, Donal E, Taramasso M, Duncan A, Lurz P, De Potter T, Zamorano Gómez JL, Bax JJ, von Bardeleben RS, Enriquez-Sarano M, Maisano F, Praz F, Sitges M. Atrial secondary tricuspid regurgitation: pathophysiology, definition, diagnosis, and treatment. **Eur Heart J** 2024 Mar 14;45(11):895-911. doi: 10.1093/eurheartj/ehae088.
2. **Muraru D**, Badano L. Impact of new-onset atrial fibrillation on the incidence of tricuspid regurgitation: a call to attention. **Eur Heart J** 2024 Jul 8;ehae382. doi: 10.1093/eurheartj/ehae382.
3. Hahn RT, **Muraru D**, Lindman BR, Delgado V, Dweck MR. Heart valve disease: at the threshold of a new era in patient management. **Lancet** 2024 Apr 20;403(10436):1519-1522. doi: 10.1016/S0140-6736(24)00423-9.
4. Dreyfus J, Galloo X, Taramasso M, Heitzinger G, Benfari G, Kresoja KP, Juarez-Casso F, Omran H, Bohbot Y, Iliadis C, Russo G, Topilsky Y, Weber M, Nombela-Franco L, Sala A, Eixerés-Esteve A, Iung B, Obadia JF, Estevez Loureiro R, Riant E, Donal E, Hausleiter J, Badano L, Le Tourneau T, Coisne A, Modine T, Latib A, Praz F, Windecker S, Zamorano JL,





von Bardeleben RS, Tang GHL, Hahn R, Webb J, **Muraru D**, Nejjari M, Chan V, De Bonis M, Carnero-Alcazar M, Nickenig G, Pfister R, Tribouilloy C, Rudolph V, Crestanello J, Lurz P, Bartko P, Maisano F, Bax J, Enriquez-Sarano M, Messika-Zeitoun D; TRIGISTRY investigators. TRI-SCORE and benefit of intervention in patients with severe tricuspid regurgitation. *Eur Heart J* **2024** Feb 21;45(8):586-597. doi: 10.1093/eurheartj/ehad585.

5. Gavazzoni M, Badano LP, Cascella A, Heilbron F, Tomaselli M, Caravita S, Baratto C, Perelli F, Radu N, Perger E, Parati G, **Muraru D**. Clinical Value of a Novel Three-Dimensional Echocardiography-Derived Index of Right Ventricle-Pulmonary Artery Coupling in Tricuspid Regurgitation. *J Am Soc Echocardiogr* **2023** Nov;36(11):1154-1166.e3. doi: 10.1016/j.echo.2023.06.014. Epub 2023 Jul 3.

6. Hahn RT, Lerakis S, Delgado V, Addetia K, Burkhoff D, **Muraru D**, Pinney S, Friedberg MK. Multimodality Imaging of Right Heart Function: JACC Scientific Statement. *J Am Coll Cardiol* **2023** May 16;81(19):1954-1973. doi: 10.1016/j.jacc.2023.03.392. PMID: 37164529.

7. Tondi L, Badano LP, Figliozzi S, Pica S, Torlasco C, Camporeale A, Florescu DR, Disabato G, Parati G, Lombardi M, **Muraru D**. The use of dedicated long-axis views focused on the left atrium improves the accuracy of left atrial volumes and emptying fraction measured by cardiovascular magnetic resonance. *J Cardiovasc Magn Reson* **2023** Feb 16;25(1):10. doi: 10.1186/s12968-022-00905-w. PMID: 36793062; PMCID: PMC9933380.

8. Sorrell VL, Lindner JR, Pellikka PA, Kirkpatrick JN, **Muraru D**. Recognized and Unrecognized Value of Echocardiography in Guideline and Consensus Documents Regarding Patients With Chest Pain. *J Am Soc Echocardiogr* **2023** Feb;36(2):146-153. doi: 10.1016/j.echo.2022.10.024. Epub 2022 Nov 11. PMID: 36375734.

9. **Muraru D**. 22nd Annual Feigenbaum Lecture: Right Heart, Right Now: The Role of Three-Dimensional Echocardiography. *J Am Soc Echocardiogr* **2022** Sep;35(9):893-909. doi: 10.1016/j.echo.2022.05.011. Epub 2022 May 26. PMID: 35644303.

10. **Muraru D**, Haugaa K, Donal E, Stankovic I, Voigt JU, Petersen SE, Popescu BA, Marwick T. Right ventricular longitudinal strain in the clinical routine: a state-of-the-art review. *Eur Heart J Cardiovasc Imaging* **2022** Jun 21;23(7):898-912. doi: 10.1093/ehjci/jeac022. PMID: 35147667.

5. Publication metrics

ORCID ID: <https://orcid.org/0000-0003-2514-3668>

Google scholar profile link: <https://bit.ly/3YqEvxb>

Google scholar h-index: 64 Scopus h-index: 52

6. Total number of peer reviewed publications / textbooks and chapters

Peer reviewed publications **264** (23.516 citations, Scopus as of 14.08.24)

Textbooks (co-editor): **3**

Chapters: **73**



7. Why are you interested in joining the EACVI Board (300 words max)?

The EACVI has been instrumental in my professional development. Throughout my tenures on the EACVI Board, I have witnessed the benefits of the transformation into a patient-centred, multi-modality imaging Association, and understood its challenges. I have gained experience in team management, and honed my adaptive and problem-solving skills during the organization of several EACVI Congresses and courses during and after the pandemic.

Having worked closely with EACVI leaders and ESC staff over the past 14 years, I feel it is now time for me to contribute more directly to the EACVI community in a leadership capacity.

Therefore, it would be a great honor to be considered for the position of EACVI President-Elect.

If elected, my primary goal will be to work with the ESC and EACVI Boards to establish a long-term sustainable strategic vision for EACVI, ensuring our actions align with the evolving needs of our members.

To bridge the gap between theoretical knowledge and practical skills, I would enhance the offer of simulation- and computer-based learning in single- and multi-modality imaging.

My commitment to mentoring and supporting younger colleagues in obtaining research/training grants has given me valuable insights into the resources and opportunities they need to grow and succeed in their careers. I will advocate for better career opportunities for women and for practical initiatives, like childcare during on-site events, to foster their engagement. Understanding the potential barriers to attending international conferences, I will prioritize the expansion of e-learning resources (tutorials, podcasts, virtual workshops).

Finally, by strengthening effective collaboration with other Societies and Associations, we can leverage each other's strengths, expertise, and networks, and better address collective challenges. We should rethink our strategies and work toward reducing inequalities in access to training and practice of multi-modality imaging. This will be central to advancing the mission of ESC and EACVI.