



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	Prof. Dr.
Family Name(s)	Bertrand
First Name(s)	Philippe
Birth Date	02 May 1984
Type of address	Business <input checked="" type="checkbox"/> Home <input type="checkbox"/>
Institute/Organisation	Ziekenhuis Oost-Limburg, Genk
Department	Cardiology
Address	Synaps Park 1
Post Code/Zip	3600
City	Genk
Country	Belgium
Mobile Phone	-
Phone	██████████
Email	████████████████████





2. Previous experience(s) in the EACVI or ESC or your National Bodies?

EACVI:

- EACVI **Young Investigator Award**, Clinical Science, EuroEcho 2016 (Leipzig)
- Member of the EACVI **Scientific Documents Committee 2018-2020**
- Member of the EACVI **Digital Health Task Force** (2020-present)
- Member of the EACVI **Scientific Documents Committee 2020-2022**
- Belgian **Ambassador** for the EACVI **Heart Imagers of Tomorrow** (HIT) (2021-present)
- Member of the EACVI **Scientific Documents Committee 2022-2024**
- Member of the EuroEcho 2024 **Scientific Program Committee** (2024)

National Bodies:

- Nucleus Member of the Belgian Working Group of Non-Invasive Cardiology (BWGNICI) (2016-present)
- Nucleus Member of the Young Cardiologists Club (YCC) of the Belgian Society of Cardiology (BSC) (2021-present)
- Program Director of the Annual Symposium of the BWGNICI 2022 (*"Valvular Heart Disease in Heart Failure"*)
- Program Director of the Annual Symposium of the BWGNICI 2023 (*"Imaging in Arrhythmia"*)
- Program Director of the Annual Symposium of the BWGNICI 2024 (*"Imaging Controversies and Innovations for your Daily Practice"*)

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. **Bertrand PB**, Verbrugge FH, Verhaert D, Smeets CJ, Grieten L, Mullens W, Gutermann H, Dion RA, Levine RA, Vandervoort PM. Mitral Valve Area During Exercise After Restrictive Mitral Valve Annuloplasty: Importance of Diastolic Anterior Leaflet Tethering. *J Am Coll Cardiol*. 2015;65(5):452-461.
2. **Bertrand PB**, Schwammenthal E, Levine RA, Vandervoort PM. The Dynamics of Secondary Mitral Regurgitation: Pathophysiology and Therapeutic Implications. *Circulation*. 2017 Jan 17;135(3):297-314.
3. **Bertrand PB**, Levine RA, Isselbacher EM, Vandervoort PM. Fact or Artifact in Two-Dimensional Echocardiography: Avoiding Misdiagnosis and Missed Diagnosis. *J Am Soc Echocardiogr*. 2016 May;29(5):381-91.
4. Deferm S, **Bertrand PB**, Verbrugge FH, Verhaert D, Rega F, Thomas JD, Vandervoort PM. Atrial Functional Mitral Regurgitation: JACC Review Topic of the Week. *J Am Coll Cardiol*. 2019 05 21; 73(19):2465-2476.
5. **Bertrand PB**, Churchill TW, Yucel E, Namasivayam M, Bernard S, Nagata Y, He W, Andrews CT, Picard MH, Weyman AE, Levine RA, Hung J. Prognostic importance of the transmitral pressure gradient in mitral annular calcification with associated mitral valve dysfunction. *Eur Heart J*. 2020 Dec 1;41(45):4321-4328.
6. **Bertrand PB**, Overbey JR, Zeng X, Levine RA, Ailawadi G, Acker MA, Smith PK, Thourani VH, Bagiella E, Miller MA, Gupta L, Mack MJ, Gillinov AM, Giustino G, Moskowicz AJ, Gelijns AC, Bowdish ME, O'Gara PT, Gammie JS, Hung J; Cardiothoracic Surgical Trials Network (CTSNet). Progression of Tricuspid Regurgitation After Surgery for Ischemic Mitral Regurgitation. *J Am Coll Cardiol*. 2021; 77(6):713-724. doi: 10.1016/j.jacc.2020.11.066.
7. Churchill TW, Yucel E, Deferm S, Levine RA, Hung J, **Bertrand PB**. Mitral Valve Dysfunction in Patients With Annular Calcification: JACC Review Topic of the Week. *J Am Coll Cardiol*. 2022 Aug 16;80(7):739-751. doi: 10.1016/j.jacc.2022.05.032.
8. Nagata Y*, **Bertrand PB***, Baliyan V, Kochav J, Kagan RD, Ujka K, Alfraidi H, van Kampen A, Morningstar JE, Dal-Bianco JP, Melnitchouk S, Holmvang G, Borger MA, Moore R, Hua L, Sultana R, Calle PV, Yum B, Guerrero JL, Neilan TG, Picard MH, Kim J, Delling FN, Hung J, Norris RA, Weinsaft JW, Levine RA. Abnormal Mechanics Relate to Myocardial Fibrosis and Ventricular Arrhythmias in Patients With Mitral Valve Prolapse. *Circ Cardiovasc Imaging*. 2023 Apr;16(4):e014963. doi:10.1161/CIRCIMAGING.122.014963. Epub 2023 Apr 18
**shared first author*





9. Dhont S, Stassen J, Herbots L, Hoedemakers S, Bekhuis Y, Jasaityte R, Stroobants S, Petit T, Bakelants E, Falter M, Ferreira SM, Claessen G, Nijst P, Vandervoort PM, **Bertrand PB***, Verwerft J*. Exercise pulmonary hypertension by the mPAP/CO slope in primary mitral regurgitation. *Eur Heart J Cardiovasc Imaging*. 2024 Mar 27;25(4):530-538. doi: 10.1093/ehjci/jead313
**shared senior author*

10. Dhont S, van den Acker G, van Loon T, Verbrugge FH, Verwerft J, Deferm S, Churchill TW, Mullens W, Lumens J, **Bertrand PB**. Mitral regurgitation in heart failure with preserved ejection fraction: The interplay of valve, ventricle, and atrium. *Eur J Heart Fail*. 2024 Apr;26(4):974-983. doi: 10.1002/ejhf.3231. Epub 2024 Apr 17.

5. Publication metrics

ORCID ID: 0000-0001-6324-6874

Google scholar profile link:

<https://scholar.google.be/citations?hl=nl&user=NjwLnwEAAAAJ>

Google scholar h-index: **27**

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

74 peer reviewed publications

4 book chapters + 2 chapters work-in-progress

(full list in curriculum vitae attached)





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

I'm a young clinical cardiologist with profound interest and expertise in cardiac imaging, having completed advanced training in echocardiography at the Massachusetts General Hospital in Boston. I'm also actively involved in cardiovascular research related to imaging in valvular heart disease, and passionate by the ability to teach and educate trainees and peers on different aspects of cardiovascular imaging.

I've had the privilege to serve the EACVI from early in my career as member of the Scientific Documents Committee since 2018, to serve the HIT community as Belgian Ambassador since 2021, to participate as faculty in numerous teaching courses on imaging and valvular heart disease, and to serve as member of the 2024 EuroEcho Scientific Program Committee. These experiences have helped me understand the ESC and EACVI mission to promote cardiovascular health, and helped me realize the importance of the EACVI for our cardiovascular community as a whole. It is my ambition to continue to serve our Association, support its vision and goals, and help face crucial challenges ahead.

For this reason, I would like to candidate for a position as Councillor in Echocardiography in the EACVI Board 2024-2026.

If elected as Councillor, my goals would be to support the EACVI on different aspects:

- support a strong multimodality imaging collaboration; even though my expertise is mainly echocardiography, I'm convinced the use of multiple imaging modalities is fundamental to an optimal patient care.
- support our ambitious young imaging community, providing them with opportunities to educate, research and innovate.
- collaborate with other ESC associations for cardiac diseases that involve multiple cardiac specialties (e.g. valvular heart disease).
- embrace the digital innovation and work on pathways to involve artificial intelligence in cardiovascular imaging, aiming at improving quality and decreasing workload.
- support EACVI training and education endeavours however possible.