

Curriculum Vitae

Erwan DONAL (MD, PhD, FESC)

Application for the position of councillor

Personal Information:

Place and Date of Birth: 19/12/1970, Dakar (Senegal) **Nationality:** French

Current Position: Professor of Cardiology; Head of Cardiovascular Imaging and of the National Reference Center for Cardiomyopathies, University Hospital of Rennes, CHU Rennes, Hôpital Pontchaillou, 35000 Rennes.

Photo



Education & Training

MD (1998) • Master “Signals & Images in Biology & Medicine” (1998) • PhD in Cardiovascular Ultrasound (2006) • HDR (2009) • Professor of Cardiology (2012).

International Research Fellowship, Cleveland Clinic (2001–2002).

Current Clinical & Academic Roles

Senior Cardiologist • Head of Echocardiography • Director, ISO-9001 Rennes Echo Core Lab • Senior Researcher, LTSI INSERM 1099.

ESC & European Activities

EACVI Board Member and Past-Treasurer (2022–24) • Past Secretary (2020–22) • Past Chair, Echo Section (2018–20) • Past Councillor (2016–18) • Chair, Scientific Documents Committee (2022–24) • Chair, Research & Innovation Committee (2026–28) • Programme Committee (Digital Health, Interventional Imaging).

Other Leadership Roles

Board Member, French Society of Cardiology (international relations) • President, Heart Valve Diseases Council (2021–25) • Past President, French CV Imaging Group (2020–22).

Head of national center for cardiomyopathies/amyloidosis; co-lead of national amyloidosis research network (F-CRIN GRACE).

Incoming Medical Director, LTSI INSERM 1099; coordinator of regional FHU network on myocardial diseases.

Editorial Roles

Senior Associate Editor, EHJ–CVI; Associate Editor, Heart, IJC, JASE.

Honours

FESC • Honorary Member: Korean Society of Cardiology, Senegal Society of Cardiology.

Selected Key Publications (very recent ones)

- 1: Coisne A, L'Official G, Dreyfus J, ...**Donal E.** Echocardiographic Outcomes After Transcatheter Edge-to-Edge Repair in Patients With Isolated Tricuspid Regurgitation: The Tri.Fr Trial. *JACC Cardiovasc Imaging*. 2025 Nov 18:S1936-878X(25)00531-5. doi: 10.1016/j.jcmg.2025.09.010. Epub ahead of print. PMID: 41258847.
- 2: **Donal E**, Unger P, Coisne A, et al. The role of multi-modality imaging in multiple valvular heart diseases: a clinical consensus statement of the European Association of Cardiovascular Imaging of the European Society of Cardiology. *Eur Heart J Cardiovasc Imaging*. 2025 Mar 27;26(4):593-608. doi: 10.1093/ehjci/jeaf026. Erratum in: *Eur Heart J Cardiovasc Imaging*. 2025 Mar 27;26(4):609. doi: 10.1093/ehjci/jeaf075. PMID: 39874243.
- 3: Donal E, Dreyfus J, Leurent G, et al ; Tri- Fr Investigators. Transcatheter Edge-to-Edge Repair for Severe Isolated Tricuspid Regurgitation: The Tri.Fr Randomized Clinical Trial. *JAMA*. 2025 Jan 14;333(2):124-132. doi: 10.1001/jama.2024.21189. PMID: 39602173; PMCID: PMC11733701.
- 4: Istratoaie S, Bourg C, Lee KC, ..., **Donal E.** Right ventricular free wall strain predicts transthyretin amyloidosis prognosis as well as biomarker-based staging systems. *Eur Heart J Cardiovasc Imaging*. 2025 Jan 31;26(2):239-248. doi: 10.1093/ehjci/jeae242. PMID: 39292174.
- 5: Galli E, Le Ven F, Coisne A, ..., **Donal E.** Randomised study for the Optimal Treatment of symptomatic patients with low-gradient severe Aortic valve Stenosis and preserved left ventricular ejection fraction (ROTAS trial). *Heart*. 2024 Sep 25;110(20):1223-1230. doi: 10.1136/heartjnl-2024-324224. PMID: 39209438.
- 6: Lurz P, Rommel KP, Schmitz T..., **Donal E.** Real-World 1-Year Results of Tricuspid Edge-to-Edge Repair From the bRIGHT Study. *J Am Coll Cardiol*. 2024 Aug 13;84(7):607-616. doi: 10.1016/j.jacc.2024.05.006. Epub 2024 May 15. PMID: 38759905.
- 7: **Donal E**, L'Official G, Istratoaie S. Semaglutide-a new treatment for obesity- related heart failure with preserved ejection fraction? *Lancet*. 2024 Apr 27;403(10437):1604-1606. doi: 10.1016/S0140-6736(24)00653-6. Epub 2024 Apr 7. PMID: 38599218.
- 8: **Donal E**, Gegout L, Leurent G, Lee KC. Transcatheter Edge-to-Edge Repair of Mitral Regurgitation: A Mature Technique. *JACC Cardiovasc Interv*. 2024 Apr 8;17(7):904-906. doi: 10.1016/j.jcin.2024.03.008. PMID: 38599693.
- 9: Istratoaie S, Gargani L, Popescu BA, Thomas L, Voigt JU, **Donal E.** How to diagnose heart failure with preserved ejection fraction. *Eur Heart J Cardiovasc Imaging*. 2024 Oct 30;25(11):1505-1516. doi: 10.1093/ehjci/jeae183. PMID: 39012791.
- 10: Curtis E, Lemarchand L, Lee KC, ..., **Donal E.** Right atrial and right ventricular strain: prognostic value depends on the severity of tricuspid regurgitation. *Eur Heart J Cardiovasc Imaging*. 2024 Nov 27;25(12):1734-1742. doi: 10.1093/ehjci/jeae182. PMID: 39012790.

Major Research Interests

My work focuses on advanced imaging applied to valvular disease, cardiomyopathies, amyloidosis, and transcatheter therapies, combining methodological innovation with leadership of pivotal trials.

Transforming Tricuspid Regurgitation Care: PI of TRI-FR (JAMA 2025), the first RCT showing benefit of T-TEER in isolated TR; contributor to bRIGHT (JACC 2024) and multiple TR programmes through the Rennes Core Lab.

Multimodality Imaging Leadership: Active in major European networks (SMASH digital-twin project, F-CRIN GRACE, AV-regurgitation networks). Head of ISO-9001 certified Rennes Core Lab.

Heart Mechanics & Myocardial Diseases: Work on RV/RA strain, ATTR amyloidosis prognosis, TR severity interactions, and cardiac mechanics.

Imaging-Guided Heart Failure & Emerging Therapies: Longstanding focus on HFpEF imaging and novel diagnostic tools.

With >800 publications, H-index 82, and >28,000 citations, my scientific path is consistent: advancing imaging to understand cardiac mechanics and guide transcatheter interventions—particularly in tricuspid regurgitation, cardiomyopathies, and heart failure.