

CURRICULUM VITÆ



Ana Teresa Timoteo



PRESENT POSITION AND ADDRESS:

Consultant Cardiologist

- Head of the Heart Failure Unit
- Senior Echocardiographer at the Echocardiography Laboratory (an EACVI accredited laboratory)
- Head of the Ambulatory Blood Pressure Monitoring Unit

Santa Marta Hospital, Unidade Local Saúde S. José, Rua Santa Marta, 50, 1169-024, Lisbon, Portugal

EDUCATION:

- Medical Degree in 1994 at Lisbon Medical School, Portugal
- PhD in Medicine in 2013 at NOVA Medical School, Lisbon, Portugal – Thesis: Subclinical atherosclerosis and coronary artery disease in patients with Metabolic Syndrome and Diabetes.
- Women Transforming Leadership Program, University of Oxford, 2019

POST-GRADUATE CAREER / TRAINING:

- General Internship: 1995-1996 (São José Hospital, Lisbon, Portugal)
- Cardiology Internship: 1997-2001 (Santa Cruz Hospital, Lisbon, Portugal)
- Full Cardiologist: 2002-2015 (Santa Marta Hospital, Lisbon, Portugal)
- Consultant Cardiologist: 2015-present (Santa Marta Hospital, Lisbon, Portugal)

ACADEMIC CAREER:

- Invited Assistant of Cardiology at NOVA Medical School (Lisbon, Portugal): 2011-2015.
- Assistant Professor of Cardiology at NOVA Medical School (Lisbon, Portugal) since 2015
 - o Professor in Charge of the Integrated Master's in Medicine Curricular Unit – Introduction to Clinical Practice

FELLOWSHIPS / HONOURS

- Fellow of the European Society of Cardiology since 2005
- Awarded with the grant by the European Society of Cardiology (ESC) to attend the Women Transforming Leadership Program (WTLP) run by the Saïd Business School at the University of Oxford (UK) from 7 to 11 October 2019
- Accreditation:
 - o Accreditation in Transthoracic Echocardiography in 2008 and recertification in 2014, 2019 and 2024
 - o Accreditation in Transoesophageal Echocardiography in 2018 and recertification in 2023.
 - o Accreditation in Acute Cardiovascular Care in 2010
- YOUNG INVESTIGATOR AWARD - ACUTE CARDIOVASCULAR CARE 2016
 - o **Complete atrioventricular block in acute coronary syndrome. prevalence, characterization and implications in outcome.** S Aguiar Rosa, **A T Timóteo**, L Ferreira, R Carvalho, M Oliveira, P Cunha, P Osório, A Lousinha, B Valente, A Monteiro, G Portugal, P Daniel, L Almeida Morais, I Rodrigues, R Cruz Ferreira.
- BEST ARTICLE PUBLISHED IN THE PORTUGUESE JOURNAL OF CARDIOLOGY 2017
 - o **ProACS risk score: a simple and early risk stratification score in patients with acute coronary syndromes.** **AT Timóteo**, SA Rosa, MA Nogueira, A Belo, RC Ferreira, on behalf of ProACS Investigators.
- MAGDA HERAS AWARD 2023 to Best Paper Published in Latin American Cardiovascular Journals.
 - o 3rd place for the paper published in the Portuguese Journal of Cardiology:
 - o **Air pollution and cardiovascular diseases: A position paper.** Daniel Caldeira, Fátima Franco, Sérgio Bravo Baptista, Sofia Cabral, Maria do Carmo Cachulo, Hélder Dores, António Peixeiro, Rui Rodrigues, Mário Santos, **Ana Teresa Timóteo**, João Vasconcelos, Lino Gonçalves Rev Port Cardiol. 2022; 41:709-717.

EUROPEAN SOCIETY OF CARDIOLOGY ACTIVITIES

- **Deputy Chair** of the EACVI Research and Innovation Committee (2022-2024)
- Member of the EACVI Special Interests Groups Committee (2022-2024)
- Member of the ESC Registries Committee (2022-2024)
- Member of the EACVI Education Committee (2020-2022)
- Coordinator of the EACVI Level I online course – Echocardiography Module
- EACVI representative in the ESC Scientific Endorsement of Live Educational Events Task Force (2020-2022)
- Member of the EuroHeart Oversight Committee da European Society of Cardiology (2020-2022)

- ESC National Cardiac Societies reviewer of the 2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation.
- ESC National Cardiac Societies reviewer of Guidelines to be published in 2024.
- Participation in ESC Webinars:
 - o Management of heart failure with preserved ejection fraction. ESC 2023 Clinical Practice Guidelines Series. **Speaker**. 17th January 2024.
 - o Contemporary management of mitral regurgitation in patients with heart failure. **Moderator**. 13rd June 2024.
- Abstract reviewer Committee for the ESC Congress since 2017, Heart Failure Congress since 2021, EACVI congress since 2023 and Euroecho since 2024.
- Member of the Women in ESC initiative since 2019.
- Reviewer for grant applications for the ESC training grants (2021), ESC women transforming leadership program (2020), EACVI research grants (2023 and 2024).

OTHER NATIONAL AND INTERNATIONAL SCIENTIFIC SOCIETIES ACTIVITIES

- Board member of the Cardiology section of the Portuguese Medical Association (regulator of medical activity in Portugal) (2023-2026)
- Board member (**Vice-President**) of the Portuguese Society of Cardiology (PSC) (2021-2023)
- Board member (**General-Secretary**) of the Portuguese Society of Cardiology (2019-2021)
- Chairperson of the Working Group of Cardiac Intensive Care of the PSC in 2015-2017
- Deputy Chair of the Working Group of Cardiac Intensive Care of the PSC in 2017-2019
- **Chair of the Scientific Committee** of Portuguese Congress of Cardiology 2023
- Member of the Scientific Committee of the Portuguese Society of Cardiology Congress 2017, 2022.
- Chair of the “Women and Cardiology” Task Force of the PSC in 2021-2023
- Chair of the Portuguese Registry of Acute Coronary Syndromes (ProACS) in 2015-2017.
- Abstract reviewer for the Portuguese Congress of Cardiology since 2008
- Abstract reviewer for the American College of Cardiology Scientific Sessions since 2024.

RESEARCH / PRESENTATIONS:

- National meetings: 362 presentations (110 as first author).
- International meetings: 313 presentations (121 as first author).
- Participation in Multicentre Randomized Clinical Trials / Registries: 16 studies (three as Principal Investigator). Last participations: TRACER, FOURIER, REDUAL-PCI, EVOLUTION-HF, PORTUGUESE HEART FAILURE PREVALENCE OBSERVATIONAL STUDY (PORTHOS)
- Chair or invited speaker in 48 international and national Congresses / Scientific Meetings and Courses in the last 5 years

PUBLICATIONS

Author of **141 peer reviewed publications** (75 as first author and 51 in international journals), **22 editorial comments** (by invitation) published in national and international peer-reviewed journals, and 3 textbook chapters.

Google scholar h-index: 25

MAJOR RESEARCH INTEREST

Echocardiography, Heart Failure, Acute Coronary Syndromes, Metabolic syndrome, Women and Cardiology

EDITORIAL BOARDS

European Heart Journal – Imaging Methods and Practice

Frontiers in Cardiovascular Medicine –Cardiovascular Imaging Section (IF 2.8 – Q2)

Journal of Clinical Ultrasound – Sonography and other Imaging Techniques (IF 1.2 – Q3)

Echocardiography (IF 1.6 – Q3)

REVIEWER IN PEER-REVIEW JOURNALS:

European Heart Journal (IF 37.6 – Q1), Circulation (IF 35.5 – Q1), European Journal of Heart Failure (IF 16.9 – Q1), European Journal of Preventive Cardiology (IF 8.4 – Q1), Archives Medical Research (IF 4.7 – Q1), Journal of American Society of Echocardiography (IF 5.4 – Q1), Heart (IF 5.1 – Q1), Atherosclerosis (IF 4.9 – Q1), American Heart Journal (IF 3.7 – Q1), European Heart Journal – Acute Cardiovascular Care – Q 2 (IF 3.9 – Q1), BMJ Open – Q 3 (IF 2.4 – Q1), International Journal of Cardiology (IF 3.2 – Q2), Frontiers in Cardiovascular Medicine (IF 2.8 – Q2), Therapeutic Advances in Chronic Diseases (IF 3.3 – Q2), Open Heart (IF 2.8 – Q2), Heart, Lung and Circulation (IF 2.2 – Q2), Brazilian Archives of Cardiology (IF 2.0 – Q3), Portuguese Journal of Cardiology (IF 1.6 – Q3), , Echocardiography (IF 1.6 – Q3), Heart and Vessels (IF 1.4 – Q3), Portuguese Medical Journal (IF 0.8 - Q3), Cardiology in the Young (IF 0.9 – Q3), Journal of Clinical Ultrasound (IF 1.2 – Q3), Journal of International Medical Research (IF 1.4 – Q4), JACC Case Reports.

MAJOR PUBLICATIONS IN THE LAST 5 YEARS

1. Pericardium, epicardial adipose tissue, and heart failure with preserved ejection fraction: pathophysiology, quantification and treatment target.

Timóteo AT, Barbas Albuquerque F, Lacerda Teixeira B. *Int J Cardiol.* 2024. doi: 10.1016/j.ijcard.2024.132303

2. World Heart Federation cholesterol roadmap: the Portuguese case.

Abreu A, Dores H, Gonçalves L, Franco F, Silveira C, Proença G, Teresa **Timóteo AT**, Cardim N, Pedro M, Fiuza M, Ferreira D, Bento L, Patrício L, Caldeira D, Bravo Baptista S, Santos J, Rocha E, Raimundo A, Catarino C, Carrageta M, Mexia R, Araújo F, Pereira H, Santos R, Pinto FJ. *Port Journal Cardiol*. 2024. Doi: 10.1016/j.repc.2024.04.009

3. Cardiovascular imaging research and innovation in 2023

Andrea Barison, **Ana Teresa Timoteo** (shared first author), Riccardo Liga, Sonia Borodzicz-Jazdzyk, Saloua El Messaoudi, Christina Luong, Giulia Elena Mandoli, Sara Moscatelli, Arti Anushka Ramkisoensing, Sarah Moharem-Elgamal, Gianluca Pontone, Danilo Neglia. *Eur Heart J – Imag Met Pract* 2024. Doi.org/10.1093/ehjimp/qyae029

4. Contribution of high-technology procedures to public healthcare expenditures: the case of ischemic heart disease in Portugal, 2002-2015.

Ma W, **Timóteo AT**, Ribeiro V, Mateus C, Perelman J. *Int J Health Econ Manag* 2024. Doi: 10.1007/s10754-024-09372-5

5. Global left ventricular myocardial work index and medium-term adverse cardiovascular events after ST-elevation myocardial infarction.

Timóteo AT, Branco LM, Galrinho A, Rio P, Papoila AL, Alves M, Ferreira RC. *Int J Cardiol* 2024; 399: 131781. Doi: 10.1016/j.ijcard.2024.131781

6. Influenza vaccination in older adults and patients with chronic disorders: a position paper from the Portuguese Society of Pulmonology, the Portuguese Society of Diabetology, the Portuguese Society of Cardiology, the Portuguese Society of Geriatrics and Gerontology, the study group of geriatrics of the Portuguese Society of Internal Medicine, and the Portuguese Society of Infectious diseases and clinical microbiology

F Froes, **AT Timóteo**, B Almeida, J F Raposo, J Oliveira, M Carrageta, S Duque, A Morais. *Pulmonology* 2023. Doi: 10.1016/j.pulmoe.2023.11.003

7. Perceptions of cardiology, professional preferences and impact on career choices among Portuguese cardiologists: results from the Portuguese Society of Cardiology's women and cardiology task force survey.

Timóteo AT, Ribeiros R, Gavina C, Cabral S, Almeida AG, António N, Calé R, Moura B, Franco F, Ilhão Moreira R, Gonçalves L. *Port Journal Cardiol* 2024; 43: 189-199. doi: 10.1016/j.repc.2023.07.004

8. Evaluation of left atrial strain imaging and integrated backscatter as predictors of recurrence in patients with paroxysmal, persistent, and long-standing persistent atrial fibrillation undergoing catheter ablation.

Brás PG, Cunha PS, **Timóteo AT**, Portugal G, Galrinho A, Laranjo S, Cruz MC, Valente B, Rio P, Delgado AS, Paulo M, Brás M, Ferreira RC, Oliveira MM, Branco LM. *J Interv Card Electrophysiol* 2024; 67: 479-492. doi: 10.1007/s10840-023-01602-z

9. Portuguese heart failure prevalence observational study (PORTHOS) rationale and design - a population-based study.

Baptista R, Silva Cardoso J, Canhão H, Maria Rodrigues A, Kislaya I, Franco F, Bernardo F, Pimenta J, Mendes L, Gonçalves S, **Timóteo AT**, Andrade A, Moura B, Fonseca C, Aguiar C, Brito D, Ferreira J, Filipe Azevedo L, Peres M, Santos P, Moraes Sarmiento P, Cernadas R, Santos M, Fontes-Carvalho R, Campos Fernandes A, Martinho H, González-Juanatey JR, Filipe Pereira L, Gil V, Raquel Marques C, Almeida M, Pardal M, Barbosa V, Gavina C. **Port Journal Cardiol** 2023; 42: 985-995. doi: 10.1016/j.repc.2023.10.004

10. "O meu coração bate saudável" - results from a pilot project for health education in Portuguese children.

Timóteo AT, Cachulo MC, Dinis P, Negrão L, Barreiros-Mota I, Dores H, Gonçalves L. **Port Journal Cardiol** 2023; S0870-2551(23)00469-9. Doi: 10.1016/j.repc.2023.09.005

11. Cardiopulmonary exercise testing in patients with heart failure: impact of gender in predictive value for heart transplantation listing.

Garcia Brás P, Gonçalves AV, Reis JF, Moreira RI, Pereira-da-Silva T, Rio P, **Timóteo AT**, Silva S, Soares RM, Ferreira RC. **Life (Basel)** 2023; 13: 1985. doi: 10.3390/life13101985

12. Age differences in cardiopulmonary exercise testing parameters in heart failure with reduced ejection fraction.

Garcia Brás P, Gonçalves AV, Reis JF, Moreira RI, Pereira-da-Silva T, Rio P, **Timóteo AT**, Silva S, Soares RM, Ferreira RC. **Medicina (Kaunas)** 2023; 59: 1685. doi: 10.3390/medicina59091685

13. Cardiopulmonary exercise testing in the age of new heart failure therapies: still a powerful tool?

Garcia Brás P, Gonçalves AV, Reis JF, Moreira RI, Pereira-da-Silva T, Rio P, **Timóteo AT**, Silva S, Soares RM, Ferreira RC. **Biomedicines** 2023; 11: 2208. doi: 10.3390/biomedicines11082208

14. Increased abdominal perimeter differently affects respiratory function in men and women.

Sacramento JF, Caires I, Guarino MP, Ribeiro MJ, Santiago JCP, **Timóteo AT**, Selas M, Mota-Carmo M, Conde SV. **Adv Exp Med Biol** 2023; 1427:135-141

15. Sacubitril/valsartan improves left atrial and ventricular strain and strain rate in patients with heart failure with reduced ejection fraction.

Brás PG, Gonçalves AV, Branco LM, Moreira RI, Pereira-da-Silva T, Galrinho A, **Timóteo AT**, Rio P, Leal A, Gameiro F, Soares RM, Ferreira RC. **Life (Basel)** 2023; 13: 995. doi: 10.3390/life13040995

16. Outpatient 6-hour levosimendan treatment as a bridge to heart transplant.

Gonçalves AV, Reis JP, **Timóteo AT**, Soares R, Pereira-da-Silva T, Gomes V, Moreira RI, Pombo D, Carvalho T, Correia C, Santos C, Ferreira RC. **Arq Bras Cardiol** 2023; 120: e20220205. doi: 10.36660/abc.20220205

17. Global warming and heat wave risks for cardiovascular diseases: a position paper from the Portuguese Society of Cardiology.

Caldeira D, Dores H, Franco F, Bravo Baptista S, Cabral S, Cachulo MDC, Peixeiro A, Rodrigues R, Santos M, Timóteo AT, Campos L, Vasconcelos J, Nogueira PJ, Gonçalves L. *Port Journal Cardiol* 2023; 42: 1017-1024

18. Efficacy of peritoneal dialysis in patients with refractory congestive heart failure: a systematic review and meta-analysis.

Timóteo AT, Mano TB. *Heart Fail Rev* 2023; 28: 1053-1063

19. Malignant primary and metastatic cardiac tumors: a single-center 27-year case review.

Garcia Brás P, Branco LM, Galrinho A, Timóteo AT, Branco Mano T, Ferreira V, Cardoso I, Castelo A, Pinto E, Coelho P, Rodrigues R, Leal A, Bravio I, Fragata J, Cruz Ferreira R. *Oncology* 2023; 101: 292-302

20. Levosimendan in outpatients with advanced heart failure: single-center experience of 200 intermittent perfusions.

Ferreira Reis J, Valentim Gonçalves A, Ilhão Moreira R, Pereira da Silva T, Timóteo AT, Pombo D, Carvalho T, Correia C, Santos C, Cruz Ferreira R. *Port Journal Cardiol* 2023; 42: 335-343

21. Cardiovascular diseases in women - consensus document of the Sociedade Portuguesa de Cardiologia, Sociedade Portuguesa de Ginecologia, Sociedade Portuguesa de Obstetrícia e Medicina materno-fetal, Sociedade Portuguesa de Contraceção e Associação Portuguesa de Medicina Geral e Familiar.

Timóteo AT, Ribeiros R, Calé R, Moura B, G Almeida A, Gavina C, Cabral S, António N, Franco F, Ilhão Moreira R, Geraldes F, Machado AP, Palma F, Pires da Silva V, Gonçalves L. *Port Journal Cardiol* 2023; 42: 1001-1015.

22. Infective endocarditis in adult patients with congenital heart disease.

van Melle JP, Roos-Hesselink JW, Bansal M, Kamp O, Meshaal M, Pudich J, Luksic VR, Rodriguez-Alvarez R, Sadeghpour A, Hanzevacki JS, Sow R, Timóteo AT, Morgado MT, De Bonis M, Laroche C, Boersma E, Lancellotti P, Habib G; EURO-ENDO Investigators Group. *Int J Cardiol* 2023; 370: 178-185

23. Multimodality imaging in cardiac amyloidosis: state-of-the-art review.

Timóteo AT, Rosa SA, Brás PG, Ferreira MJV, Bettencourt N. *J Clin Ultrasound* 2022; 50: 1084-1096.

24. The prognostic value of the cardiorespiratory optimal point during submaximal exercise testing in heart failure.

Ferreira Reis J, Gonçalves A, Brás P, Moreira R, Pereira-da-Silva T, Timóteo AT, Soares R, Cruz Ferreira R. *Port Journal Cardiol* 2022; 41: 751-758.

25. Predictive ability of cardiopulmonary exercise test parameters in heart failure patients with cardiac resynchronization therapy.

Reis JF, Gonçalves AV, Brás PG, Moreira RI, Rio P, Timóteo AT, Soares RM, Ferreira RC. *Arq Bras Cardiol* 2022; 119: 413-423.

26. Air pollution and cardiovascular diseases: a position paper.

Caldeira D, Franco F, Bravo Baptista S, Cabral S, Cachulo MDC, Dores H, Peixeiro A, Rodrigues R, Santos M, **Timóteo AT**, Vasconcelos J, Gonçalves L. **Port Journal Cardiol** 2022; 41: 709-717.

27. Outcomes of culture-negative vs. culture-positive infective endocarditis: the ESC-EORP euro-endo registry.

Kong WKF, Salsano A, Giacobbe DR, Popescu BA, Laroche C, Duval X, Schueler R, Moreo A, Colonna P, Piper C, Calvo-Iglesias F, Badano LP, Srdanovic I, Boutoille D, Huttin O, Stöhr E, **Timóteo AT**, Vaskelyte JJ, Sadeghpour A, Tornos P, Abid L, Poh KK, Habib G, Lancellotti P. **Eur Heart J** 2022; 43: 2770-2780.

28. Cancer patients with acute coronary syndrome have non-superior bleeding risk compared to patients with similar characteristics - a propensity score analysis from the ProACS registry.

Branco Mano T, **Timóteo AT**, Aguiar Rosa S, Belo A, Cruz Ferreira R; ProACS registry Investigators. **Port Journal Cardiol** 2022; 41: 573-582.

29. Dapagliflozin impact on the exercise capacity of non-diabetic heart failure with reduced ejection fraction patients.

Reis J, Teixeira AR, Gonçalves AV, Moreira RI, Silva TP, **Timóteo AT**, Ferreira RC. **J Clin Med** 2022; 11: 2935.

30. Impact of repaired aortic coarctation in left ventricular myocardial work.

Timóteo AT, Branco LM, Galrinho A, Rio P, Sousa L, Ferreira RC. **Port Journal Cardiol** 2022; 41: 299-307.

31. Myocardial work brings new insights into left ventricular remodelling in cardio-oncology patients.

Vaz Ferreira V, Mano TB, Cardoso I, Coutinho Cruz M, Moura Branco L, Almeida-Morais L, **Timóteo AT**, Galrinho A, Castelo A, Garcia Brás P, Simão D, Sardinha M, Gonçalves A, Cruz Ferreira R. **Int J Environ Res Public Health** 2022; 19: 2826.

32. Is there a gender gap in national cardiology research? data review from the portuguese journal of cardiology.

Timoteo AT. **Port Journal Cardiol** 2021; 40: 501-4.

33. Quality of life in adults living at community with previous self-reported myocardial infarction

Ana Teresa Timóteo, Sara Dias, Ana Rodrigues, Maria João Gregório, Rute Dinis Sousa, Helena Canhão. **Port Journal Cardiol** 2020; 39: 367-3.

34. Heart failure units: state of the art in disease management

Timoteo AT, Silva TP, Moreira RI, Gonçalves A, Soares R, Ferreira RC. **Port Journal Cardiol** 2020; 39: 341-50.

35. Indirect costs of acute myocardial infarction in Portugal

Ana Teresa Timóteo, Miguel Gouveia, Cristina Soares, Rui Cruz Ferreira. **Port Journal Cardiol** 2020; 39: 245-51.

36. Carotid body chemosensitivity: early biomarker of dysmetabolism in humans.

Cunha Guimarães JP, Guarino MP, **Timóteo AT**, Caires I, Sacramento JF, Ribeiro MJ, Selas M, Santiago JCP, Mora-Carmo M, Conde SV. *Eur J Endocrinol* 2020; 182: 549-57.

37. Myocardial work improvement after sacubitril-valsartan therapy: a new echocardiographic parameter for a new treatment.

Valentim Gonçalves A, Galrinho A, Pereira da Silva T, Branco L, Rio P, **Timóteo AT**, Abreu J, Soares RM, Feliciano J, Moreira RI, Ferreira RC. *J Cardiovasc Med* 2020; 21: 223-30.

38. Cardiotoxicity in breast cancer treatment: what about left ventricular diastolic function and left atrial function?

Timóteo AT, Moura Branco L, Filipe F, Galrinho A, Rio P, Portugal G, Oliveira S, Ferreira RC. *Echocardiography* 2019; 36: 1806-13.

39. Three-dimensional speckle-tracking echocardiography for the global and regional assessment of left ventricle myocardial deformation in breast cancer patients treated with anthracyclines

Coutinho Cruz M, Moura Branco L, Portugal G, Galrinho A, **Timóteo AT**, Rio P, Ihão Moreira R, Mendonça T, Leal A, Gameiro F, Duarte Oliveira S, Luz R, Cruz Ferreira R. *Clin Res Cardiol* 2020; 109: 673-84.

40. Is metabolic syndrome a prognostic marker in patients at high cardiovascular risk? a long-term cohort study.

Timóteo AT, Mota Carmo M, Soares C, Cruz Ferreira R. *Port Journal Cardiol* 2019; 38: 325-332

41. Prognostic impact of bundle branch block after acute coronary syndrome. does it matter if it is left or right?

Timóteo AT, Mendonça T, Aguiar Rosa S, Gonçalves A, Carvalho R, Ferreira ML, Ferreira RC. *International Journal Cardiology Heart Vasculature* 2019. Doi: 10.1016/j.ijcha.2018.11.006.

42. Has carotid intima-media thickness prognostic impact in patients with high cardiovascular risk? a long-term cohort study.

Timóteo AT, Mora Carmo M, Soares C, Ferreira RC. *Echocardiography* 2019; 36: 125-136