



## Bruna Gomes

- Affiliate, Department Funds
- Fellow in Medicine - Med/Cardiovascular Medicine

### Bio

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#### INTERNET LINKS

- List of publications: <https://www.ncbi.nlm.nih.gov/myncbi/bruna%20filipa.gomes%20botelho%20quintas.1/bibliography/public/>

### Publications

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#### PUBLICATIONS

- **Brisk Usual Walking Pace Causally Remodels Brain, Heart and Metabolic Tissues**  
Gomes Botelho Quintas, B., Xia, R., Loong, S., Reddy, S., Cao, F., Steffner, K., Geraldo, A., Lindholm, M., Amar, D., Ashley, E.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Spatial T1-Mapping of Cardiac Fibrosis Identifies Causal Protein Drivers through Deep Learning and Mendelian Randomization**  
Reddy, S., Loong, S., Xia, R., Chen, E., Cao, F., Steffner, K., Wheeler, M., Ashley, E., Gomes Botelho Quintas, B.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Genetic architecture of cardiac dynamic flow volumes.** *Nature genetics*  
Gomes, B., Singh, A., O'Sullivan, J. W., Schnurr, T. M., Goddard, P. C., Loong, S., Amar, D., Hughes, J. W., Kostur, M., Haddad, F., Salerno, M., Foo, R., Montgomery, et al  
2023
- **Defining left ventricular remodeling using lean body mass allometry: a UK Biobank study.** *European journal of applied physiology*  
Gomes, B., Hedman, K., Kuznetsova, T., Cauwenberghs, N., Hsu, D., Kobayashi, Y., Ingelsson, E., Oxborough, D., George, K., Salerno, M., Ashley, E., Haddad, F.  
2023
- **Machine learning-based risk prediction of intrahospital clinical outcomes in patients undergoing TAVI** *CLINICAL RESEARCH IN CARDIOLOGY*  
Gomes, B., Pilz, M., Reich, C., Leuschner, F., Konstandin, M., Katus, H. A., Meder, B.  
2021; 110 (3): 343-356
- **Prevalence and relevance of impaired left ventricular function in chronic moderate regurgitation of native aortic valves** *ACTA CARDIOLOGICA*  
Gomes, B., Hees, K., Hund, H., Mereles, D., Meder, B., Katus, H. A., Bekerredjian, R.  
2020; 75 (7): 613-620
- **Transfemoral aortic valve replacement for severe aortic valve regurgitation in a patient with a pulsatile-flow biventricular assist device** *ESC HEART FAILURE*  
Gomes, B., Bekerredjian, R., Leuschner, F., Ehlermann, P., Schmack, B., Ruhparwar, A., Raake, P. W., Katus, H. A., Kreusser, M. M.  
2019; 6 (1): 217-221
- **Periprocedural antibiotic treatment in transvascular aortic valve replacement** *JOURNAL OF INTERVENTIONAL CARDIOLOGY*  
Gomes, B., Geis, N. A., Leuschner, F., Meder, B., Konstandin, M., Katus, H. A., Bekerredjian, R.

2018; 31 (6): 885-890

- **Atrial fibrillation and heart failure-associated remodeling of two-pore-domain potassium (K<sub>2P</sub>) channels in murine disease models: focus on TASK-1** *BASIC RESEARCH IN CARDIOLOGY*  
Wiedmann, F., Schulte, J. S., Gomes, B., Zafeiriou, M., Ratte, A., Rathjens, F., Fehrmann, E., Scholz, B., Voigt, N., Mueller, F., Thomas, D., Katus, H. A., Schmidt, et al  
2018; 113 (4): 27
- **First experience with the 34 mm self-expanding Evolut R in a multicentre registry** *EUROINTERVENTION*  
Harnath, A., Gomes, B., Herwig, V., Gatto, F., Watremez, S., Katus, H. A., Bekerredjian, R.  
2018; 14 (3): 298-300
- **Procedural advantages of a novel coronary stent design with ultra-thin struts and bioabsorbable abluminal polymer coating in an all-comers registry** *POSTĘPY W KARDIOLOGII INTERWENCYJNEJ*  
Abu Sharar, H., Gomes, B., Chorianopoulos, E., Kaya, Z., Gleissner, C. A., Katus, H. A., Bekerredjian, R.  
2018; 14 (3): 240-246
- **Improvements of Procedural Results With a New-Generation Self-Expanding Transfemoral Aortic Valve Prosthesis in Comparison to the Old-Generation Device** *JOURNAL OF INTERVENTIONAL CARDIOLOGY*  
Gomes, B., Geis, N. A., Chorianopoulos, E., Meder, B., Leuschner, F., Katus, H. A., Bekerredjian, R.  
2017; 30 (1): 72-78
- **Repositionable self-expanding aortic bioprosthesis** *EXPERT REVIEW OF MEDICAL DEVICES*  
Gomes, B., Katus, H. A., Bekerredjian, R.  
2017; 14 (7): 565-576