

Prof. Eric Van Belle
France

**Application for the following position in the EAPCI Board:
TREASURER**

Current position

Professor - Head of Interventional Cardiology.

Profession

- Interventionalist.
- Healthcare Professional (Nurse, Radiographer, Technician) working in PCI.
- Industry Professional.
- Other.

Additional Information

- Fellow of the ESC.
- EAPCI Member.
- Member of a National Cardiac Society
If yes, specify: French Society of Cardiology
- Member of an Interventional Working Group
If yes, specify: Groupe Atherome et Cardiologie interventionnel (GACI - interventional working group of the French Society of Cardiology).

General CV (as it pertains to PCI)

TEACHING ACTIVITY

At Lille University, teaching activities include teaching in the general medical program, in the cardiology (specialty) program as well as in the basic science program (Master).

At the national level it also includes organization and teaching in the French Interventional Cardiology Training Program and acting as Director of the first-grade and member of the Program Committee.

SCIENTIFIC INTERESTS

Research interests include basics and clinical aspects of the outcome of high risk population such as diabetics and post-MI patients following percutaneous coronary interventions (PCI), the use of biomarkers for risk prediction and therapeutic stratification at the time of PCI, the role of angiogenesis and collateral circulation for endogenous cardiovascular repair and the use of gene therapy and stem cell therapy for regenerating cardiovascular function including myocardial and valve function. More recently it included also the optimization of transcatheter aortic valve intervention (TAVI), in particular the use of ore-procedural imaging and the understanding of the role post-procedural aortic regurgitation. This scientific activity led to the publication of more than 100 publications in international scientific journals with a total "H" index of 39.

CLINICAL ACTIVITY

Clinical activities focus on prevention and treatment of complications of coronary atherosclerosis. It includes the management of a catheterization laboratory including 3 rooms and performing 2500 catheterization/year (CHU Lille). Personal activity in percutaneous coronary interventions (PCI) is 200-250 cases/year for the last 15 years and in transcatheter aortic valve intervention (TAVI) is 70-100 cases/ year for the last 4 years.

Previous experience in EAPCI, ESC or your National Bodies

- Fellow of the French SC and ESC since 1994.
- Elected member of the acting-bureau of the GACI (Interventional Cardiology WG) for 4 years.
- Co-director of the French Interventional Training Program, in charge of the 2nd year.
- Member of the SC of the FRANCE-TAVI Registry (previously FRANCE2).
- EAPCI: member
- French Coordinator of the CICD Registry.

If you have been involved in EAPCI in the past, please specify the position(s) as well as the relevant date(s)

Publications in the field of PCI (max 10)

1. E Van Belle, F Juthier, S Susen, A Vincentelli, Be Iung, J Dallongeville, H Eltchaninoff, M Laskar, P Leprince, M Lievre, C Banfi, JL Auffray, C Delhay, P Donzeau-Gouge, K Chevreul, J Fajadet, A Leguerrier, A Prat, M Gilard, and E Teiger for the FRANCE 2 Investigators. Post-Procedural Aortic Regurgitation in Balloon-expandable and Self-expandable TAVR Procedures: Analysis of Predictors and Impact on Long-term Mortality - Insights from the FRANCE2 Registry. *Circulation*. 2014 (In press).
2. Van Belle E, Rioufol G, Pouillot C, Cuisset T, Bougrini K, Teiger E, Champagne S, Belle L, Barreau D, Hanssen M, Besnard C, Dauphin R, Dallongeville J, Hahi YE, Sideris G, Bretelle C, Lhoest N, Barnay P, Leborgne L, Dupouy P; for the Investigators of the Registre Franais de la FFR - R3F. Outcome Impact of Coronary Revascularization Strategy Reclassification With Fractional Flow Reserve at Time of Diagnostic Angiography: Insights From a Large French Multicenter Fractional Flow Reserve Registry. *Circulation*. 2013 Nov 19. [Epub ahead of print]
3. Samin M, Juthier F, Van Belle C, Agostoni P, Kluin J, Stella PR, Ramjankhan F, Budde RP, Sieswerda G, Algeri E, Elkalioubie A, Belkacemi A, Bertrand ME, Doevendans PA, Van Belle E. Automated 3D analysis of multislice computed tomography to define the line of perpendicularity of the aortic annulus and of the implanted valve: Benefit on planning transcatheter aortic valve replacement. *Catheter Cardiovasc Interv*. 2014 Jan 1;83(1):E119-27. doi: 10.1002/ccd.24947. Epub 2013 Jun 10.
4. Samim M, Stella PR, Agostoni P, Kluin J, Ramjankhan F, Budde RP, Sieswerda G, Algeri E, van Belle C, Elkalioubie A, Juthier F, Belkacemi A, Bertrand ME, Doevendans PA, Van Belle E. Automated 3D analysis of pre-procedural MDCT to predict annulus plane angulation and C-arm positioning: benefit on procedural outcome in patients referred for TAVR. *JACC Cardiovasc Imaging*. 2013 Feb;6(2):238-48. doi: 10.1016/j.jcmg.2012.12.004.
5. Gilard M, Eltchaninoff H, Iung B, Donzeau-Gouge P, Chevreul K, Fajadet J, Leprince P, Leguerrier A, Lievre M, Prat A, Teiger E, Lefevre T, Himbert D, Tchetché D, Carri D, Albat B, Cribier A, Rioufol G, Sudre A, Blanchard D, Collet F, Dos Santos P, Meneveau N, Tirouvanziam A, Caussin C, Guyon P, Boschhat J, Le Breton H, Collart F, Houel R, Delpine S, Souteyrand G, Favereau X, Ohlmann P, Doisy V, Grollier G, Gommeaux A, Claudel JP, Bourlon F, Bertrand B, Van Belle E, Laskar M; FRANCE 2 Investigators. Registry of transcatheter aortic-valve implantation in high-risk patients. *N Engl J Med*. 2012 May 3;366(18):1705-15. doi: 10.1056/NEJMoa1114705.

6. Collet JP, Cuisset T, Rangé G, Cayla G, Elhadad S, Pouillot C, Henry P, Motreff P, Carri D, Boueri Z, Belle L, Van Belle E, Rousseau H, Aubry P, Monsgu J, Sabouret P, O'Connor SA, Abtan J, Kerneis M, Saint-Etienne C, Barthelémy O, Beygui F, Silvain J, Vicaut E, Montalescot G; ARCTIC Investigators. Bedside monitoring to adjust antiplatelet therapy for coronary stenting. *N Engl J Med*. 2012 Nov 29;367(22):2100-9. doi: 10.1056/NEJMoa1209979. Epub 2012 Nov 4.
7. Samim M, Stella PR, Agostoni P, Kluin J, Ramjankhan F, Sieswerda G, Budde R, der Linden Mv, Samim M, Hillaert M, van Herwerden L, Doevendans PA, Van Belle E. Transcatheter aortic implantation of the Edwards-SAPIEN bioprosthesis: insights on early benefit of TAVI on mitral regurgitation. *Int J Cardiol*. 2011 Oct 6;152(1):124-6. doi
8. Samim M, Stella PR, Agostoni P, Kluin J, Ramjankhan F, Sieswerda G, Budde R, van der Linden M, Juthier F, Banfi C, Hurt C, Samim M, Hillaert M, van Herwerden L, Bertrand ME, Doevendans PA, Van Belle E. A prospective "oversizing" strategy of the Edwards SAPIEN bioprosthesis: results and impact on aortic regurgitation. *J Thorac Cardiovasc Surg*. 2013 Feb;145(2):398-405. doi: 10.1016/j.jtcvs.2011.12.067. Epub 2012 Feb 27.
9. Roncalli J, Mouquet F, Piot C, Trochu JN, Le Corvoisier P, Neuder Y, Le Tourneau T, Agostini D, Gaxotte V, Sportouch C, Galinier M, Crochet D, Teiger E, Richard MJ, Polge AS, Beregi JP, Manrique A, Carrie D, Susen S, Klein B, Parini A, Lamirault G, Croisille P, Rouard H, Bourin P, Nguyen JM, Delasalle B, Vanzetto G, Van Belle E, Lemarchand P. Intracoronary autologous mononucleated bone marrow cell infusion for acute myocardial infarction: results of the randomized multicenter BONAMI trial. *Eur Heart J*. 2011 Jul;32(14):1748-57. doi: 10.1093/eurheartj/ehq455. Epub 2010 Dec 2.
10. J Belch, WR Hiatt, I Baumgartner, V Driver, S Nikol, L Norgren, E Van Belle, on behalf of the TAMARIS Committees and Investigators. Effect of fibroblast growth factor NV1FGF in amputation and death: a randomised placebo-controlled trial of gene therapy in critical limb ischaemia. *Lancet*. 2011 Jun 4;377(9781):1929-37. doi: 10.1016/S0140-6736(11)60394-2. Epub 2011 May 28

What would you like to achieve if you were elected?

- Develop the interaction of the EAPCI with other European and international societies
- Expand educational programs for young interventionalists - taking into account the recent changes in the scope of the practice, in particular the development of interventional cardiology for structural heart disease.
- Develop exchanges with surgical colleagues and European surgical societies in order to support the increasing development of the heart-team approach both for patients with coronary artery disease and those with valvular or structural heart disease.

- Implement clinical and research network on interventional cardiology among ESC countries.

If you were elected, how do you envisage to organize yourself to accommodate this very demanding additional commitment?

One full day a week will be dedicated to this activity.