

CURRICULUM VITAE



Last Name : VAN BELLE

First Name : Eric

Nationality : French

Business address : Institut Cœur-Poumon (Hôpital Cardiologique)
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PRESENT POSITION

Head Interventional Cardiology, Training Program, Cardiology Department, University Hospital, Lille, France

Professor of Interventional Cardiology, University of Lille, France

EDUCATION

- 1982: Baccalauréat, University of Lille
1983-88: Medical school, University of Lille
1993: MD degree
1997: Ph D degree : “Angiogenic Growth Factors and Cardiovascular Repair”.

POST-GRADUATE TRAINING

- 1988-92: Internship and Residency (Internal Medicine and Cardiology)
University Hospital, Lille
- 1992-94: Fellowship in Cardiology, University Hospital Lille,
Michel E. Bertrand, M.D., Program Director
- 1994-96: Research Fellowship, Tufts University School of Medicine, Boston, MA,
Jeffrey M. Isner, M.D., Program Director

PROFESSIONAL SOCIETIES

French Society of Cardiology: Fellow

European Society of Cardiology: Fellow

American College of Cardiology: Fellow

French Interventional Cardiology Training Program:

- Member of the board since 2010
- Director of the board 2015-2023

French TAVI and Percutaneous Structural Heart Disease Training Program:

- I personally established and launched that national program in 2019.
- Director of the board since 2019

Working group of Interventional cardiology of the French Society of Cardiology (GACI)

2024-2025 Chair until December 31, 2025.

2020-2024: Member of the board

2012-2016: Member of the board

European Association of Percutaneous Coronary Intervention (EAPCI):

2022-2024: Chair of International Affairs Committee

2020-2022: Co-Chair of International Affairs Committee

2018-2020: Chair of Education, Training and Certification Committee

2016-2018: Co-Chair of Education, Training and Certification Committee

REVIEWER

Medical Journal

New England Journal of Medicine

The Lancet

European Heart Journal

Journal of the American College of Cardiology

Circulation

Circulation Research

Atherosclerosis Thombosis and Vascular Biology

JACC: Cardiovascular Interventions

Circulation Cardiovascular Interventions

E. Van Belle

Diabetes
Cardiovascular Research
American Heart Journal
Archives des Maladies du Cœur et des Vaisseaux

Abstracts

Scientific Sessions of the American Heart Association
Scientific Sessions of the European Society of Cardiology
Scientific Sessions of the EuroPCR congress
Scientific Sessions of the Transcatheter Cardiovascular Therapeutics (TCT) congress

Professional Activities

EDUCATION ACTIVITY

At the European Level, my education activities include co-chairing (2016-2018) and chairing (2018-2020) the Education and Training Committee (ETC) of the EAPCI. Among other achievements, I have launched, together with Prof Dudek the **new EAPCI certification in Interventional Cardiology (2018). Since its creation more than 300 interventional cardiologists have received EAPCI certification.** I have also coordinated the redaction of the “**EAPCI Core Curriculum for Percutaneous Cardiovascular Intervention (2020)**” and the new “**2024 EAPCI Core Curriculum for Percutaneous Valvular and Structural Heart Disease Interventions**”. Under my direction, the Education and Training Committee of the EAPCI has now become the largest committee of the EAPCI involving > 30 individuals to ensure the representativity of the Interventional Working Groups of all European countries and to run the EAPCI Certification.

At the national level, it includes the Direction of the French Interventional Cardiology Training Program from 2015 to 2023. The first two years of the program are dedicated to coronary angiography and PCI. As part of my tenure, **I have launched in 2019 a dedicated training program for TAVI and structural disease interventions.**

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).

SCIENTIFIC INTERESTS

Research interests include basics and clinical aspects of the outcome of high-risk population such as diabetics and post-MI patients following PCI, the use of biomarkers and invasive physiology (**FFR, iFR**) for risk prediction and therapeutic stratification at the time of PCI. In that field I have conducted the **R3F, PRIME-FFR** and **DEFINE-REAL** studies.

More recently it included also the optimization of **TAVI**, in particular the use of pre-procedural imaging and biology to understand the role post-procedural aortic regurgitation. I am the principal investigator (PI) of two ongoing multicenter randomized studies dedicated to TAVI patients: **WITAVI (NCT02628509)**, **WITAVI-REAL (NCT03728049)** and **BEST (NCT05454150)** supported by grants from the French Ministry of Health. This scientific activity led to the publication of more than 300 publications in international scientific journals with a total "**H**" **index of 72.**

CLINICAL ACTIVITY

Clinical activities focus on prevention and treatment of complications of coronary atherosclerosis and heart valve disease. It includes the management of a catheterization laboratory including 3 rooms and performing 4000 catheterization/year and 400 TAVI/year. Personal activity in PCI is 200-250 cases/year for the last 25 years and TAVI is 70-100 cases/ year for the last 10 years.

E. Van Belle

Clinical Trials

Current studies as principal investigator (or co-principal investigator):

- **BEST (NCT05454150)**: Balloon-expandable vs Self-Expanding Transcatheter Heart Valve in patients symptomatic aortic stenosis
- **WITAVI-REAL (NCT03728049)**: Von Willebrand factor in patients undergoing TAVI in Real Practice
- **WITAVI (NCT02628509)**,: Von Willebrand factor in patients undergoing TAVI
- **Prime-FFR: POST-IT and 3RF Integrated Multicenter registriEs**: Implemetation of **FFR** in **R**outine Practice.
- **DEFINE-REAL**: The REAL Registry for Utilization of iFR in Assessing Coronary Stenoses
- **R3F**: French Registry of Fractional Flow Reserve
- **SAVE**: Sclerosis Aging in Valve Hemsotasis
- Methy-STROKE**: Identification des marqueurs de risque épigénétiques des complications ischémiques cérébrales au cours du TAVI

Current studies as member of the steering committee:

- **ANGES CLI Trial**
- **BRAVO 2/3**: Bivalirudin on Aortic Valve Intervention Outcomes Study
- **DEFINE-FLAIR**: Functional Lesion Assessment of Intermediate Stenosis to Guide Revascularisation
- **FRANCE PCI** : Registre français de l'angioplastie
- **FRANCE-TAVI**: Registre français du TAVI

15 MOST SIGNIFICANT PUBLICATIONS

H INDEX Scopus: 72

I have authored **314** peer reviewed publications. Below are my 15 most important publications.

1. [Van Belle E](#), Debry N, Vincent F, Kuchcinski G, Cordonnier C, Rauch A, Robin E, Lassalle F, Pontana F, Delhay C, Schurtz G, JeanPierre E, Rouse N, Casari C, Spillemaeker H, Porouchani S, Pamart T, Denimal T, Neiger X, Verdier B, Puy L, Cosenza A, Juthier F, Richardson M, Bretzner M, Dallongeville J, Labreuche J, Mazighi M, Dupont-Prado A, Staels B, Lenting PJ, Susen S. Cerebral Microbleeds During Transcatheter Aortic Valve Replacement: A Prospective Magnetic Resonance Imaging Cohort. *Circulation*. 2022 Aug 2;146(5):383-397. doi: 10.1161/CIRCULATIONAHA.121.057145. Epub 2022 Jun 20. PMID: 35722876; PMCID: PMC9345525.
2. Escaned J, Berry C, De Bruyne B, Shabbir A, Collet C, Lee JM, Appelman Y, Barbato E, Biscaglia S, Buszman PP, Campo G, Chieffo A, Colleran R, Collison D, Davies J, Giacoppo D, Holm NR, Jeremias A, Paradies V, Piróth Z, Raposo L, Roguin A, Rudolph T, Sarno G, Sen S, Toth GG, [Van Belle E](#), Zimmermann FM, Dudek D, Stefanini G, Tarantini G. Applied coronary physiology for planning and guidance of percutaneous coronary interventions. A clinical consensus statement from the European Association of Percutaneous Cardiovascular Interventions (EAPCI) of the European Society of Cardiology. *EuroIntervention*. 2023 Aug 21;19(6):464-481. doi: 10.4244/EIJ-D-23-00194. PMID: 37171503; PMCID: PMC10436072.
3. Collet JP, [Van Belle E](#), Thiele H, Berti S, Lhermusier T, Manigold T, Neumann FJ, Gilard M, Attias D, Beygui F, Cequier A, Alfonso F, Aubry P, Baronnet F, Ederhy S, Kasty ME, Kerneis M, Barthelemy O, Lefèvre T, Leprince P, Redheuil A, Henry P, Portal JJ, Vicaut E, Montalescot G; ATLANTIS Investigators of the ACTION Group. Apixaban vs. standard of care after transcatheter aortic valve implantation: the ATLANTIS trial. *Eur Heart J*. 2022 Aug 1;43(29):2783-2797. doi: 10.1093/eurheartj/ehac242. Erratum in: *Eur Heart J*. 2022 Aug 03;: PMID: 35583186.
4. [Van Belle E](#), Patel M, Davies J. Fractional Flow Reserve-Guided PCI as Compared with Coronary Bypass Surgery. *N Engl J Med*. 2022 May 12;386(19):1863-1864. doi: 10.1056/NEJMc2202491. PMID: 35544399.
5. [Van Belle E](#), Manigold T, Piérache A, Furber A, Debry N, Luyck-Bore A, Bauchart JJ, Nugue O, Huchet F, Bic M, Vinchon F, Sayah S, Fournier A, Decoulx E, Mouhammad U, Clerc J, Manchuelle A, Lazizi T, Chmait A, Jeannetteau J, Hénon P, Bonin M, Dupret-Minet M, Tirouvanziam A, Molcard D, Arabucki F, Py A, Prunier F, Delhay C, Lemesle G, Schurtz G, Cosenza A, Spillemaeker H, Verdier B, Denimal T, Pamart T, Sylla H, Janah D, Aouate D, Porouchani S, Guillez V, Bonnet G, Ternacle J, Labreuche J, Cayla G, Vincent F. Myocardial Infarction incidence during national lockdown in two French provinces unevenly affected by COVID-19 outbreak: An observational study. *Lancet Reg Health Eur*. 2021 Mar;2:100030. doi: 10.1016/j.lanpe.2021.100030. Epub 2021 Jan 13. PMID: 34173627; PMCID: PMC7938895.
6. Vincent F, Ternacle J, Denimal T, Shen M, Redfors B, Delhay C, Simonato M, Debry N, Verdier B, Shahim B, Pamart T, Spillemaeker H, Schurtz G, Pontana F, Thourani

- VH, Pibarot P, Van Belle E. Transcatheter Aortic Valve Replacement in Bicuspid Aortic Valve Stenosis. Circulation. 2021 Mar 9;143(10):1043-1061. doi: 10.1161/CIRCULATIONAHA.120.048048. Epub 2021 Mar 8. PMID: 33683945.
7. Ten Berg J, Sibbing D, Rocca B, Van Belle E, Chevalier B, Collet JP, Dudek D, Gilard M, Gorog DA, Grapsa J, Grove EL, Lancellotti P, Petronio AS, Rubboli A, Torracca L, Vilahur G, Witkowski A, Mehilli J. Management of antithrombotic therapy in patients undergoing transcatheter aortic valve implantation: a consensus document of the ESC Working Group on Thrombosis and the European Association of Percutaneous Cardiovascular Interventions (EAPCI), in collaboration with the ESC Council on Valvular Heart Disease. Eur Heart J. 2021 Jun 14;42(23):2265-2269. doi: 10.1093/eurheartj/ehab196. PMID: 33822924.
 8. Van Belle E, Teles RC, Pyxaras SA, Kalpak O, Johnson TW, Barbash IM, De Luca G, Kostov J, Parma R, Vincent F, Brugaletta S, Debry N, Toth GG, Ghazzal Z, Deharo P, Milasinovic D, Kaspar K, Saia F, Mauri Ferre J, Kammler J, Muir DF, O'Connor S, Mehilli J, Thiele H, Weilenmann D, Witt N, Joshi F, Kharbanda RK, Piroth Z, Wojakowski W, Geppert A, Di Gioia G, Pires-Morais G, Petronio AS, Estevez-Loureiro R, Ruzsa Z, Kefer J, Kunadian V, Van Mieghem N, Windecker S, Baumbach A, Haude M, Dudek D. EAPCI Core Curriculum for Percutaneous Cardiovascular Interventions (2020): Committee for Education and Training European Association of Percutaneous Cardiovascular Interventions (EAPCI). A branch of the European Society of Cardiology. EuroIntervention. 2021 May 17;17(1):23-31. doi: 10.4244/EIJ-D-18-00448. PMID: 32624457; PMCID: PMC9725044.
 9. Van Belle E, Raposo L, Bravo Baptista S, Vincent F, Porouchani S, Cosenza A, Rogers C, Leipsic J. Impact of an Interactive CT/FFRCT Interventional Planner on Coronary Artery Disease Management Decision Making. JACC Cardiovasc Imaging. 2021 May;14(5):1068-1070. doi: 10.1016/j.jcmg.2020.09.040. Epub 2021 Jan 13. PMID: 33454253.
 10. Sinning C, Ahrens I, Cariou A, Beygui F, Lamhaut L, Halvorsen S, Nikolaou N, Nolan JP, Price S, Monsieurs K, Behringer W, Cecconi M, Van Belle E, Jouven X, Hassager C. The cardiac arrest centre for the treatment of sudden cardiac arrest due to presumed cardiac cause - aims, function and structure: Position paper of the Association for Acute CardioVascular Care of the European Society of Cardiology (AVCV), European Association of Percutaneous Coronary Interventions (EAPCI), European Heart Rhythm Association (EHRA), European Resuscitation Council (ERC), European Society for Emergency Medicine (EUSEM) and European Society of Intensive Care Medicine (ESICM). Eur Heart J Acute Cardiovasc Care. 2020 Nov;9(4_suppl):S193-S202. doi: 10.1177/2048872620963492. PMID: 33327761.
 11. Vincent F, Spillemaeker H, Kyheng M, Belin-Vincent C, Delhay C, Piérache A, Denimal T, Verdier B, Debry N, Moussa M, Schurtz G, Porouchani S, Cosenza A, Juthier F, Pamart T, Richardson M, Coisne A, Hertault A, Sobocinski J, Modine T, Pontana F, Duhamel A, Labreuche J, Van Belle E. Ultrasound Guidance to Reduce Vascular and Bleeding Complications of Percutaneous Transfemoral Transcatheter Aortic Valve Replacement: A Propensity Score-Matched Comparison. J Am Heart Assoc. 2020 Mar 17;9(6):e014916. doi: 10.1161/JAHA.119.014916. Epub 2020 Mar 16. PMID: 32172643; PMCID: PMC7335526.
 12. Van Belle E. TAVR at 5 Years - Rematch or Swan Song for Surgery? N Engl J Med. 2020 Feb 27;382(9):867-868. doi: 10.1056/NEJMe2000240. PMID: 32101670.
 13. Van Belle E, Cosenza A, Baptista SB, Vincent F, Henderson J, Santos L, Ramos

- R, Pouillot C, Calé R, Cuisset T, Jorge E, Teiger E, Machado C, Belle L, Costa M, Barreau D, Oliveira E, Hanssen M, Costa J, Besnard C, Nunes L, Dallongeville J, Sideris G, Bretelle C, Fonseca N, Lhoest N, Guardado J, Silva B, Sousa MJ, Barnay P, Silva JC, Leborgne L, Rodrigues A, Porouchani S, Seca L, Fernandes R, Dupouy P, Raposo L; PRIME-FFR Study Group. Usefulness of Routine Fractional Flow Reserve for Clinical Management of Coronary Artery Disease in Patients With Diabetes. *JAMA Cardiol*. 2020 Mar 1;5(3):272-281. doi: 10.1001/jamacardio.2019.5097. PMID: 31913433; PMCID: PMC6990935.
14. Van Belle E, Vincent F, Labreuche J, Auffret V, Debry N, Lefèvre T, Eltchaninoff H, Manigold T, Gilard M, Verhoye JP, Himbert D, Koning R, Collet JP, Leprince P, Teiger E, Duhamel A, Cosenza A, Schurtz G, Porouchani S, Lattuca B, Robin E, Coisne A, Modine T, Richardson M, Joly P, Rioufol G, Ghostine S, Bar O, Amabile N, Champagnac D, Ohlmann P, Meneveau N, Lhermusier T, Leroux L, Leclercq F, Gandet T, Pinaud F, Cuisset T, Motreff P, Souteyrand G, lung B, Folliguet T, Commeau P, Cayla G, Bayet G, Darremont O, Spaulding C, Le Breton H, Delhaye C. Balloon-Expandable Versus Self-Expanding Transcatheter Aortic Valve Replacement: A Propensity-Matched Comparison From the FRANCE-TAVI Registry. *Circulation*. 2020 Jan 28;141(4):243-259. doi: 10.1161/CIRCULATIONAHA.119.043785. Epub 2019 Nov 16. PMID: 31736356.
15. Van Belle E, Vincent F, Rauch A, Casari C, Jeanpierre E, Loobuyck V, Rosa M, Delhaye C, Spillemaeker H, Paris C, Debry N, Verdier B, Vincentelli A, Dupont A, Lenting PJ, Susen S. von Willebrand Factor and Management of Heart Valve Disease: JACC Review Topic of the Week. *J Am Coll Cardiol*. 2019 Mar 12;73(9):1078-1088. doi: 10.1016/j.jacc.2018.12.045. PMID: 30846101.
16. Van Belle E, Rauch A, Vincent F, Robin E, Kibler M, Labreuche J, Jeanpierre E, Levade M, Hurt C, Rousse N, Dally JB, Debry N, Dallongeville J, Vincentelli A, Delhaye C, Auffray JL, Juthier F, Schurtz G, Lemesle G, Caspar T, Morel O, Dumonteil N, Duhamel A, Paris C, Dupont-Prado A, Legendre P, Mouquet F, Marchant B, Hermoire S, Corseaux D, Moussa K, Manchuelle A, Bauchart JJ, Loobuyck V, Caron C, Zawadzki C, Leroy F, Bodart JC, Staels B, Goudemand J, Lenting PJ, Susen S. Von Willebrand Factor Multimers during Transcatheter Aortic-Valve Replacement. *N Engl J Med*. 2016 Jul 28;375(4):335-44. doi: 10.1056/NEJMoa1505643. PMID: 27464202.

PUBLICATIONS IN PEER REVIEWED INTERNATIONAL JOURNALS

- 1: Denimal T, Vincent F, Juthier F, Pamart T, Moussa MD, Schurtz G, Pontana F, Van Belle E, Delhaye C. V stenting technique with covered stents for the management of ostial circumflex perforation: Good or bad idea? *J Cardiol Cases*. 2023 Nov 23;29(3):116-119. doi: 10.1016/j.jccase.2023.11.003. PMID: 38481646; PMCID: PMC10927437.
- 2: Kedhi E, Rroku A, Hermanides RS, Dambrink JH, Singh S, Berg JT, van Ginkel DJ, Hudec M, Amoroso G, Amat-Santos IJ, Andreas M, Teles RC, Bonnet G, Van Belle E, Conradi L, van Garsse L, Wojakowski W, Voudris V, Sacha J, Cervinka P, Lipsic E, Somi S, Nombela-Franco L, Postma S, Piayda K, De Luca G, Malinofski K, Modine T. TransCatheter aortic valve implantation and fractional flow reserve-guided percutaneous coronary intervention versus conventional surgical aortic valve replacement and coronary bypass grafting for treatment of patients with aortic valve stenosis and multivessel or advanced coronary disease: The transcatheter valve and vessels trial (TCW trial): Design and rationale. *Am Heart J*. 2024 Apr;270:86-94. doi: 10.1016/j.ahj.2024.01.010. Epub 2024 Feb 1. PMID: 38309610.
- 3: Ali M, Dekker L, Daems JD, Ali M, van Zwet EW, Steyerberg EW, Duvekot MHC, Nguyen TTM, Moudrous W, van de Wijdeven RM, Visser MC, de Laat KF, Kerkhoff H, van den Wijngaard IR, Dippel DWJ, Roozenbeek B, Kruyt ND, Wermer MJH; LPSS and PRESTO Investigators. Sex Differences in Prehospital Identification of Large Vessel Occlusion in Patients With Suspected Stroke. *Stroke*. 2024 Mar;55(3):548-554. doi: 10.1161/STROKEAHA.123.044898. Epub 2024 Feb 1. PMID: 38299328; PMCID: PMC10896195.
- 4: Zaid S, Kleiman NS, Goel SS, Szerlip MI, Mack MJ, Marin-Cuartas M, Mohammadi S, Nazif TM, Unbehaun A, Andreas M, Brinster DR, Robinson NB, Wang L, Ramlawi B, Conradi L, Desai ND, Forrest JK, Bagur R, Nguyen TC, Waksman R, Leroux L, Van Belle E, Grubb KJ, Ahmad HA, Denti P, Modine T, Bapat VN, Kaneko T, Reardon MJ, Tang GHL, Explant-Tavr Registry Investigators OBOT. Impact of transcatheter heart valve type on outcomes of surgical explantation after failed transcatheter aortic valve replacement: the EXPLANT-TAVR international registry. *EuroIntervention*. 2024 Jan 15;20(2):e146-e157. doi: 10.4244/EIJ-D-23-00722. PMID: 38224255; PMCID: PMC10786178.
- 5: Lassalle F, Duployez N, Vincent F, Rauch A, Denimal T, Rosa M, Labreuche J, Dombrowicz D, Staels B, Preudhomme C, Susen S, Van Belle E, Dupont A. Negative Impact of *TET2* Mutations on Long-Term Survival After Transcatheter Aortic Valve Replacement. *JACC Basic Transl Sci*. 2023 Jul 19;8(11):1424-1435. doi: 10.1016/j.jacbts.2023.04.010. PMID: 38093739; PMCID: PMC10714177.
- 6: Picard F, Adjedj J, Collet JP, Van Belle E, Monsegu J, Karsenty B, Dupouy P, Quillot M, Bonnet G, Gautier A, Cayla G, Benamer H. Pharmacological coronary spasm provocative testing in clinical practice: A French Coronary Atheroma and Interventional Cardiology Group (GACI) position paper. *Arch Cardiovasc Dis*. 2023 Dec;116(12):590-596. doi: 10.1016/j.acvd.2023.10.002. Epub 2023 Oct 13. PMID: 37891058.
- 7: Rauch A, Dupont A, Rosa M, Desvages M, Le Tanno C, Abdoul J, Didelot M, Ung A, Ruez R, Jeanpierre E, Daniel M, Corseaux D, Spillemaecker H, Labreuche J, Pradines B, Rousse N, Lenting PJ, Moussa MD, Vincentelli A, Bordet JC, Staels B, Vincent F, Denis CV, Van Belle E, Casari C, Susen S. Shear Forces Induced Platelet Clearance Is a New Mechanism of Thrombocytopenia. *Circ Res*. 2023 Oct

27;133(10):826-841. doi: 10.1161/CIRCRESAHA.123.322752. Epub 2023 Oct 26. PMID: 37883587.

8: Rangé G, Motreff P, Benamer H, Commeau P, Cayla G, Chassaing S, Laure C, Monsegu J, Van Belle E, Py A, Amabile N, Beygui F, Honton B, Lhermusier T, Boiffard E, Boueri Z, Lhoest N, Deharo P, Adjedj J, Pouillot C, Pereira B, Koning R, Collet JP. The France PCI registry: Design, methodology and key findings. *Arch Cardiovasc Dis*. 2023 Sep 22;S1875-2136(23)00169-9. doi: 10.1016/j.acvd.2023.08.005. Epub ahead of print. PMID: 37783602.

9: Moreno R, Baptista SB, Valencia J, Gomez-Menchero A, Bouisset F, Ruiz-Arroyo JR, Bento A, Besutti M, Jimenez-Valero S, Rivero-Santana B, Olhmann P, Santos M, Vaquerizo B, Cuissetm T, Lemoine J, Pinar E, Fiarresga A, Urbano C, Marliere S, Braga C, Amat-Santos I, Morgado G, Sarnago F, Telleria M, Van Belle E, Díaz-Fernandez J, Borrego JC, Amabile N, Meneveau N. OPTImized coronary interventions eXplaln the bEst cliNical outcomEs (OPTI-XIENCE) study. Rationale and study design. *Cardiovasc Revasc Med*. 2024 Feb;59:93-98. doi: 10.1016/j.carrev.2023.08.011. Epub 2023 Sep 4. PMID: 37723011.

10: Roule V, Beygui F, Cayla G, Rangé G, Motovska Z, Delarche N, Jourda F, Goube P, Guedeney P, Zeitouni M, El Kasty M, Laredo M, Dumaine R, Ducrocq G, Derimay F, Van Belle E, Manigold T, Cador R, Combaret N, Vicaut E, Montalescot G, Silvain J; ALPHEUS Investigators. P2Y₁₂ Inhibitor Loading Time Before Elective PCI and the Prevention of Myocardial Necrosis. *Can J Cardiol*. 2024 Jan;40(1):31-39. doi: 10.1016/j.cjca.2023.08.028. Epub 2023 Sep 3. PMID: 37660934.

11: Rosseel L, Mylotte D, Cosyns B, Vanhaverbeke M, Zweiker D, Teles RC, Angerås O, Neylon A, Rudolph TK, Wykrzykowska JJ, Patterson T, Costa G, Ojeda S, Tzikas A, Abras M, Leroux L, Van Belle E, Tchétché D, Bleiziffer S, Swaans MJ, Parma R, Blackman DJ, Van Mieghem NM, Grygier M, Redwood S, Prendergast B, Van Camp G, De Backer O. Contemporary European practice in transcatheter aortic valve implantation: results from the 2022 European TAVI Pathway Registry. *Front Cardiovasc Med*. 2023 Aug 14;10:1227217. doi: 10.3389/fcvm.2023.1227217. PMID: 37645516; PMCID: PMC10461475.

12: Dekker L, Daems JD, Duvekot MHC, Nguyen TTM, Venema E, van Es ACGM, Rozeman AD, Moudrour W, Dorresteijn KRIS, Hensen JJ, Bosch J, van Zwet EW, de Schryver ELLM, Kloos LMH, de Laat KF, Aerden LAM, van den Wijngaard IR, Dippel DWJ, Kerkhoff H, Wermer MJH, Roozenbeek B, Kruyt ND; LPSS and PRESTO Investigators. Comparison of Prehospital Assessment by Paramedics and In-Hospital Assessment by Physicians in Suspected Stroke Patients: Results From 2 Prospective Cohort Studies. *Stroke*. 2023 Sep;54(9):2279-2285. doi: 10.1161/STROKEAHA.123.042644. Epub 2023 Jul 19. PMID: 37465998.

13: Zaid S, Hirji SA, Bapat VN, Denti P, Modine T, Nguyen TC, Mack MJ, Reardon MJ, Kaneko T, Tang GHL; EXPLANT-TAVR Investigators. Surgical Explantation of Failed Transcatheter Aortic Valve Replacement. *Ann Thorac Surg*. 2023 Nov;116(5):933-942. doi: 10.1016/j.athoracsur.2023.05.036. Epub 2023 Jun 22. PMID: 37354965.

14: Zaid S, Avvedimento M, Vitanova K, Akansel S, Bhadra OD, Ascione G, Saha S, Noack T, Tagliari AP, Pizano A, Donatelle M, Squiers JJ, Goel K, Laurent G, Asgar AW, Ruaengsri C, Wang L, Leroux L, Flagiello M, Algadheeb M, Werner P,

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