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Posizione clinica e accademica attuale

- Cardiocirurgo Capo Servizio presso il Cardiocentro Ticino di Lugano, Svizzera (dal 2015)
- Professore Assistente (PD) - Università della Svizzera Italiana (USI) (dal 2019)
- Cardiocirurgo (40%) e Direttore della Ricerca Cardiovascolare. Ospedale Universitario di Zurigo, Svizzera (dal 2020)
- Professore Titolare di Chirurgia Cardiovascolare – Scuola di Medicina dell’Università di Zurigo, Svizzera (dal 2020)

Carriera accademica

- Professore Titolare di Chirurgia Cardiovascolare – Università di Zurigo, Svizzera (dal 2020)
- Professore Assistente (PD) – Università della Svizzera Italiana (USI) (dal 2019)
- Professore Assistente (PD) – Ospedale Universitario di Losanna, Svizzera (2011-2018)

Istruzione

- European Board of Thoracic and Cardiovascular Surgery (FETCS) 2005
- Swiss Board of Cardiovascular Surgery (FMH) 2003
- Qualifica conseguita: *Specializzazione in chirurgia cardiaca e vasi toracici*
- Università degli studi di Padova, Facoltà di Medicina. Padova, Italia 2002
- Qualifica conseguita: *Specializzazione in cardiocirurgia – 70/70 e Lode*
- Università degli studi di Torino, Facoltà di Medicina. Torino, Italia – (Dr. Med) 1997
- Qualifica conseguita: *Laurea in Medicina e Chirurgia – 110/110*

Esperienze lavorative

- Ospedale Universitario di Zurigo (40%) dal 2020
Cardiochirurgo Associato e Professore Titolare
Direttore della Ricerca Cardiovascolare
- *Chirurgia mini-invasiva valvolare*
- *Nuove tecnologie valvolari aortiche e mitraliche.*
- *Ricerca cardiovascolare clinica e di base.*
- Cadiocentro Ticino di Lugano, Svizzera dal 2015
Capo Servizio di Cardiochirurgia
- *Coordinatore Heart-Team per valvole transcateretere chirurgiche (TAVI).*
- *Nuove tecnologie valvolari aortiche e mitraliche.*
- *Ricerca cardiovascolare clinica e di base.*
- *Supervisione formazione Medici Capoclinica e Assistenti in formazione.*
- Ospedale Universitario di Losanna, Svizzera 2003-2015
Cardiochirurgo Associato e Professore Assistente (PD).
- *Coordinatore Heart-Team per valvole transcateretere chirurgiche (TAVI)*
- *Nuove tecnologie valvolari aortiche e mitraliche.*
- *Chirurgia valvolare mini-invasiva e coronarica ibrida*
- *Ricerca cardiovascolare clinica e di base.*
- *Supervisione formazione Medici Capoclinica e Assistenti in formazione.*
- Ospedale Cantonale di Sion, Svizzera 2011-2014
Responsabile di unità semplice di Cardiochirurgia.
- *Gestione e organizzazione reparto e sala operatoria.*
- *Chirurgia mini-invasiva.*
- *Formazione Medici Capoclinica e Assistenti in formazione.*
- Ospedale Catharina di Eindhoven, Olanda 2001-2003
Assistente in Cardiochirurgia
- Ospedale Universitario di Padova, Italia 1998-2001
Specializzando in formazione in Cardiochirurgia

Esperienza chirurgica

Più di 3500 interventi di chirurgia cardiaca valvolare, coronarica e vascolare eseguiti dal 2000 al 2020. Esperienza avanzata in chirurgia coronarica con condotti arteriosi, chirurgia valvolare aortica e mitralica mini-invasiva e sostituzione valvolare aortica con tecnica transcateretere (TAVI). Leader nello sviluppo e impegno di tecnologie valvolari innovative quali valvole ad impianto rapido e valvole sutureless. Esperienza avanzata in tecniche di impianto di endoprotesi aortiche toraciche (TEVAR).

Ricerca cardiovascolare

- 2010-2011. New transcatheter stent-valve applications: the transapical approach for minimal invasive mitral procedure (FNS grant application).
- 2011-2013. Clinical and basic science investigations on transapical TAVR and new transcatheter mitral devices.
- 2013-2014. Long-term durability of biological heart valves with the Edwards Perimount valve (FU 1990 to 2013).
- 2013-2015. Mid-term results of rapid-deployment aortic bioprosthesis (INTUITY valve, Edwards Lifesciences) – grant from Industry
- 2013-2014. Apical closure device. Feasibility tests. Development of the device in partnership with industry – grant from industry.
- 2013-2015. TF vs TA TAVR procedures at University of Lausanne, Switzerland. Retrospective clinical study.
- 2014-2016. Use of 3D printers to assess transcatheter valve size during planned TAVR procedures.
- 2014-2016. Transcatheter aortic root procedure. Bench tests with 3D printed aortic root models.
- 2014-2016. Apical closure device. Stress tests in a minimally invasive animal setting. Partnership with industry – grant from industry.
- 2015-2017. Long-term durability of Edwards Perimount mitral bioprosthesis (FU 2000-2015).
- 2016-2017. New surgical technique: annulus stabilization technique for rapid-deployment aortic valve implantation (FU 2015-2019)
- 2017-2018. Apical closure device. Tests in animals in a full-percutaneous setting at University of Zurich, Switzerland. Partnership with industry.
- 2016-2017. Apical closure device for TA-TAVR. Long-term tests in animals (full-percutaneous). Partnership with industry.
- 2016-2019. DuraGraft solution for preserving vascular grafts in CABG. Multicentre clinical registry. PI for site.
- 2016-2019. Long-term follow-up of BIMA grafts for CABG (FU 2001-2016).
- 2017-2018. Long-term follow-up and valve performance of Perimount Magna vs Hancock-II aortic valve replacement (FU 2000-2016).
- 2017-2019. Development of a new concept for transcatheter aortic root replacement (TARR technique). Swiss Grant from SHF (90000 chf).
- 2019-2020. Research on exosomes expression in cardiac surgery patients developing postoperative vasoplegia.
- 2018-2019. Research on spontaneous apoptosis in vein samples for CABG protected with saline, autologous blood or Duragraft storage solution.
- 2019-2021. Computational model analysis of coronary blood flow through the TARR technology. Partnership with University of Pavia.
- 2019-2020. Self-expanding bidirectional flow cannula for percutaneous ECMO treatment in cardiogenic shock.
- 2020-2021. hemodynamic assessment of TARR technology in a pulsatile bench test model.

Attività editoriale scientifica

- Editore associato European Journal of Cardio-thoracic Surgery (EJCTS) dal 2017
- Editore associato Interactive Cardiovascular and Thoracic Surgery (ICVTS) 2013-2017
- Editore assistente European Journal of Cardio-thoracic Surgery (EJCTS) 2007-2013
- Editore assistente Interactive Cardiovascular and Thoracic Surgery (ICVTS) 2010-2013
- Editorial Board Multimedia Manual of Cardio-Thoracic Surgery 2014-2017
- Editorial Board member Journal of Visualized Surgery since 2015
- Editorial Board member Journal of Clinical Cardiology and Cardiac Therapy since 2016
- Editorial Board member GSL Journal of Cardiovascular Diseases since 2017
- Editorial Board member Annals of Cardiovascular Surgery since 2017
- Editorial Board member Journal of Cardiology Research since 2018
- Editorial Board member Journal of Integrative Cardiology since 2016

Conoscenze linguistiche

- **Italiano e Francese:** madrelingua
- **Inglese:** fluente
- **Tedesco e Spagnolo:** Basico

Pubblicazioni scientifiche recenti (2015-2020)

2015

87) **Ferrari E**, Locca D, Berdajs D, Marcucci C, Gronchi F, Lavanchy J, Prêtre R, Tozzi P
Use of a VSD occluder for apical closure in transapical aortic valve replacement.

Innovations. 2015;10:68-70

PMID: 25621876

88) Li L, Abdel-Sayed S, Berdajs S, **Ferrari E**, von Segesser LK.

Venous cannula performance assessment in a realistic caval tree model

Eur J Cardiothorac Surg. 2015;20:194-199

PMID: 25368132

89) **Ferrari E**, von Segesser LK, Berdajs D.

Improving coronary artery bypass graft durability: use of the external saphenous vein graft support.

Multimed Man Cardiothorac Surg. 2015. Pii: mmv005. Doi: 10.1093/mmcts/mmv005.

PMID: 25976117

90) **Ferrari E**, Siniscalchi G, Tozzi P, von Segesser LK.

Aortic annulus stabilization technique for rapid deployment aortic valve replacement.
Innovations. 2015;10:360-362

PMID: 26575385

91) **Ferrari E**, Berdajs D, Tozzi P, Siniscalchi G, von Segesser LK.
Apical closure device for transapical valve procedures.

Interact Cardiovasc Thorac Surg. 2015;21:561-564

PMID: 26265071

92) Fournier S, Monney P, **Ferrari E**, Lglesias JF, Roguelov C, Zuffi A, Eeckhout E, Muller O.
Transcatheter aortic valve implantation: update on indications.

Rev Med Suisse. 2015;11:1197-1200

PMID: 26182639

94) Binder RK, Stortecky S, Heg D, Tueller D, Jeger R, Toggweiler S, Pedrazzini G, Amann FW,
Ferrari E, Noble S, Nietlispach F, Maisano F, Räber L, Roffi M, Grünenfelder J, Jüni P, Huber C,
Windecker S, Wenaweser P.

Procedural Results and Clinical Outcomes of Transcatheter Aortic Valve Implantation in Switzerland:
An Observational Cohort Study of Sapien 3 Versus Sapien XT Transcatheter Heart Valves.

Circ Cardiovasc Interv. 2015 Oct;8(10). pii: e002653. doi:

10.1161/CIRCINTERVENTIONS.115.002653

PMID: 26453687

95) Samim D, Tozzi P, **Ferrari E**

Surgical outcome after isolated on-pump and off-pump anterior descending coronary revascularization.
Swiss Med Wkly. 2015;145:w14239. doi:10.4414/smw.2015.14239.

PMID: 26709551

2016

96) Berdajs D, Mosbahi S, Forro Z, Gerber C, **Ferrari E**, Charbonnier D, von Segesser LK.

Numerical analysis of the aortic root 3-dimensional aortic root morphology during the cardiac cycle.

Eur J Cardiothorac Surg. 2016;49:1213-1221

PMID: 26354961

97) **Ferrari E**

Apical access and closure devices for transapical transcatheter heart valve procedures.

Swiss Med Wkly 2016.22;146:w14237. doi: 10.4414/smw.2016.14237.

PMID: 26900765

98) Gallo M, Dvir D, Demertzis S, Pedrazzini G, Berdajs D, **Ferrari E**

Transcatheter valve-in-valve implantation for degenerated bioprosthetic aortic and mitral valves.

Expert Rev Med Devices. 2016;13:749-758

PMID: 27359372

- 99) **Ferrari E**, Muller O, Demertzis S, Moccetti M, Moccetti T, Pedrazzini G, Eeckhout E.
Transaortic transcatheter aortic valve replacement through a right mini-thoracotomy with balloon-expandable Sapien™ 3 valve.
Multimed Man Cardiothorac Surg. 2016 Jul 8;2016. pii: mmw011. doi: 10.1093/mmcts/mmw011
PMID: 27401072
- 100) **Ferrari E**, Dvir D, Guerrero M
Transcatheter mitral valve replacement in degenerated calcified native mitral valves: is the currently available technology suitable?
Eur J Cardiothorac Surg. 2016;50:391-395
PMID: 27247377
- 101) Guerrero M, Dvir D, Himbert D, Urena M, Eleid M, Wang DD, Greenbaum A, Mahadevan VS, Holzhey D, O'Hair D, Dumonteil N, Rodes-Cabau J, Piazza N, Palma JH, DeLago A, **Ferrari E**, Witkowski A, Wendler O, Kornowski R, Martinez-Clark P, Ciaburri D, Shemin R, Alnasser S, McAllister D, Bena M, Kerendi F, Pavlides G, Sobrinho JJ, Attizzani GM, George I, Nickenig G, Fassa AA, Cribier A, Bapat V, Feldman T, Rihal C, Vahanian A, Webb J, O'Neill W.
Transcatheter mitral valve replacement in native mitral valve disease with severe mitral annular calcification: results from the first multicenter global registry.
JACC Cardiovasc Interv. 2016;9:1361-1371
PMID: 27388824
- 102) von Segesser L, Marinakis S, Berdajs D, **Ferrari E**, Wilhelm M, Maisano F
Prevention and therapy of leg ischaemia in extracorporeal life support and extracorporeal membrane oxygenation with peripheral cannulation.
Swiss Med Wkly. 2016.146:w14304. doi: 10.4414/smw.2016.14304
PMID: 27153458
- 103) von Segesser LK, Berdajs D, Abdel-Sayed S, Tozzi P, **Ferrari E**, Maisano F
New, Virtually Wall-less Cannulas Designed for Augmented Venous Drainage in Minimally Invasive Cardiac Surgery.
Innovations. 2016;11:278-281
PMID: 27561178
- 105) Pilgrim T, Stortecky S, Nietlispach F, Heg D, Tueller D, Toggweiler S, **Ferrari E**, Noble S, Maisano F, Jeger R, Roffi M, Grünenfelder J, Huber C, Wenaweser P, Windecker S.
Repositionable Versus Balloon-Expandable Devices for Transcatheter Aortic Valve Implantation in Patients With Aortic Stenosis.
J Am Heart Assoc. 2016 Nov 17;5(11). pii: e004088
PMID: 27856487
- 106) Putzu A, Capelli B, Belletti A, Cassina T, **Ferrari E**, Gallo M, Casso G, Landoni G.
Perioperative statin therapy in cardiac surgery: a meta-analysis of randomized controlled trials.
Critical Care 2016;20:395
PMID: 27919293

2017

107) Franciosi G, Trunfio R, **Ferrari E**, Demertzis S.
Yacoub procedure to treat giant pulmonary artery aneurysm.
Eur Heart J. 2017;38:3393-3394

PMID: 27694192

108) **Ferrari E**, Franciosi G, Clivio S, Faletra F, Moccetti M, Moccetti T, Pedrazzini G, Demertzis S.
Stent valve implantation in conventional redo aortic valve surgery to prevent patient-prosthesis mismatch.

Interact Cardiovasc Thorac Surg. 2017;24:319-323

PMID: 28040758

109) Tozzi P, Hayoz D, Antona C, Fiore GB, Siniscalchi G, **Ferrari E**, Baeriswyl G, Vismara R.
Mastering mitral leaflets coaptation after valve repair with adjustable annuloplasty ring: prove of concept in mock loop study.

ASAIO J. 2017;63:168-173

PMID: 27861426

110) Noble S, Stortecky S, Heg D, Tuller D, Jeger R, Toggweiler S, **Ferrari E**, Nietlispach F, Taramasso M, Maisano F, Grünenfelder J, Jüni P, Huber C, Carrel T, Windecker S, Wenaweser P, Roffi M.

Comparison of procedural and clinical outcomes with Evolut R versus Medtronic CoreValve: a Swiss TAVI registry analysis.

EuroIntervention. 2017;12:e2170-e2176

PMID: 28067197

111) **Ferrari E**, Demertzis S, Angelella J, Berdajs D, Tozzi P, Moccetti T, Maisano F, von Segesser LK.

Apical closure device for full-percutaneous transapical valve implantation: stress-test in an animal model.

Interact Cardiovasc Thorac Surg. 2017;24:721-726

PMID: 28329078

112) Gallo M, Demertzis S, Gerosa G, **Ferrari E**.

Leaflet ipomobility after transcatheter aortic valve replacement: thrombosis or mechanical factors? A possible pathophysiologic pattern.

J Heart Valve Dis. 2017;26:9-11

PMID: 28544825

113) Berdajs D, Mosbahi S, **Ferrari E**, Charbonnier D, von Segesser LK.

Aortic valve pathology as predictive factor for acute aortic dissection.

Ann Thorac Surg. 2017;104:1340-1348

PMID: 28587739

114) Caporali E, Pedrazzini G, Demertzis S, **Ferrari E**.

Transcatheter aortic valve implantation for recurrent Valsalva sinus re-dissection and severe aortic regurgitation shortly after surgery for type-A aortic dissection.

Interact Cardiovasc Thorac Surg. 2017;25:839-841

PMID: 28535198

115) **Ferrari E**, Roduit C, Salamin P, Caporali E, Demertzis S, Tozzi P, Berdajs D, von Segesser LK. Rapid-deployment aortic valve replacement vs standard bioprosthesis implantation.

J Card Surg. 2017;32:322-327

PMID: 28493342

116) Putzu A, Gallo M, Martino EA, **Ferrari E**, Pedrazzini G, Moccetti T, Landoni G, Cassina T. Coronary artery bypass graft surgery versus percutaneous coronary intervention with drug-eluting stents for left main coronary artery disease: a meta-analysis of randomized trials.

Int J Cardiol. 2017;241:142-148

PMID: 28438354

117) **Ferrari E**, Eeckhout E, Keller S, Muller O, Tozzi P, Berdajs D, von Segesser LK. Transfemoral versus transapical approach for transcatheter aortic valve implantation: hospital outcome and risk factor analysis.

J Cardiothorac Surg. 2017;12:78

PMID: 28874169

118) Fournier S, Monney P, Roguelov C, **Ferrari E**, Eeckhout E, Muller O, Durko A, Van Mieghem NM, Kappetein AP, Margey R.

How should I treat an Edwards SAPIEN 3 aortic valve embolisation during a transaortic transcatheter aortic valve implantation?

EuroIntervention. 2017;13:495-498

PMID: 28735254

119) Pedrazzini GB, **Ferrari E**, Zellweger M, Genoni M.

Heart-Team: joint position of the Swiss society of cardiology and the Swiss society of cardiac surgery.

Thorac Cardiovasc Surg. 2017; 65:519-523

PMID: 28922674

120) Yoon SH, Schmidt T, Bleiziffer S, Schofer N, Fiorina C, Munoz-Garcia AJ, Yzeiraj E, Amat-Santos IJ, Tchetché D, Jung C, Fujita B, Mangieri A, Deutsch MA, Ubben T, Deuschl F, Kuwata S, De Biase C, Williams T, Dhoble A, Kim WK, **Ferrari E**, Barbanti M, Vollema EM, Miceli A, Giannini C, Attizzani GF, Kong WKF, Gutierrez-Ibanes E, Jimenez Diaz VA, Wijeyesundera HC, Kaneko H, Chakravarty T, Makar M, Sievert H, Hengstenberg C, Prendergast BD, Vincent F, Abdel-Wahab M, Nombela-Franco L, Silaschi M, Tarantini G, Butter C, Ensminger SM, Hildick-Smith D, Petronio AS, Yin WH, De Marco F, Testa L, Van Mieghem NM, Whisenant BK, Kuck KH, Colombo A, Kar S, Moris C, Delgado V, Maisano F, Nietlispach F, Mack MJ, Schofer J, Schaefer U, Bax JJ, Frerker C, Latib A, Makkar RR.

Transcatheter aortic valve replacement in pure native aortic valve regurgitation.

J Am Coll Cardiol. 2017;70:2752-2763.

PMID: 29191323

121) Pilgrim T, Franzone A, Stortecky S, Nietlispach F, Haynes AG, Tueller D, Toggweiler S, Muller O, **Ferrari E**, Noble S, Maisano F, Jeger R, Roffi M, Grünenfelder J, Huber C, Wenaweser P, Windecker S.

Predicting mortality after transcatheter aortic valve replacement: external validation of the transcatheter valve therapy registry model.

Circ Cardiovasc Interv. 2017 Nov;10(11). pii: e005481. doi: 10.1161/CIRCINTERVENTIONS.117.005481.

PMID: 29127116

2018

122) Wang C, Regar E, Lachat M, von Segesser LK, Maisano F, **Ferrari E**.

Endovascular treatment of non-dissected ascending aorta disease: a systematic review.

Eur J Cardiothorac Surg. 2018;53:317-324

PMID: 28958041

123) Gallo M, Putzu A, Conti M, Pedrazzini G, Demertzis S, **Ferrari E**.

Embolic protection devices for transcatheter aortic valve replacement.

Eur J Cardiothorac Surg. 2018;53:1118-1126

PMID: 29253108

124) Wang C, Lachat M, Regar E, von Segesser LK, Maisano F, **Ferrari E**.

Suitability of the porcine aortic model for transcatheter aortic root repair.

Interact Cardiovasc Thorac Surg. 2018;26:1002-1008

PMID: 29415164

125) **Ferrari E**, Biasco L, Faletra F, Banai S, Cheung A, Moccetti M, Pedrazzini G, Demertzis S, Moccetti T.

Tiara valve implantation in a patient with previously implanted mono-disk mechanical aortic prosthesis.

Semin Thorac Cardiovasc Surg. 2018;30:160-163

PMID: 29518534

126) **Ferrari E**, Caporali E, Pedrazzini G, Demertzis S.

Trans-carotid access for TAVR allows safe and rapid exchange for bailout valve-in-valve procedures.

J Card Surg. 2018;33:4-6

PMID: 29377318

127) Tozzi P, Siniscalchi G, **Ferrari E**, Kirsch M, Hayoz D.

Percutaneous increase of mitral leaflet coaptation length after mitral valve repair: results from a preclinical study.

Interact Cardiovasc Thorac Surg. 2018;26:681-686

PMID: 29244156

128) Bleiziffer S, Erlebach M, Simonato M, Pibarot P, Webb J, Capek L, Windecker S, George I, Sinning JM, Horlick E, Napodano M, Holzhey DM, Petursson P, Cerillo A, Bonaros N, **Ferrari E**,

Cohen MG, Baquero G, Jones TL, Kalra A, Reardon MJ, Chhatriwalla A, Gama-Ribeiro V, Alnasser S, Van Mieghem NM, Rustenbach CJ, Schofer J, Garcia S, Zeus T, Champagnac D, Bekeredjian R, Kornowski R, Lange R, Dvir D.
Incidence, Predictors and Clinical Outcomes of Residual Stenosis after Aortic Valve-in-Valve.
Heart. 2018;104:828-834
PMID: 29352008

129) Berdajs D, Mosbahi S, Charbonnier D, **Ferrari E**, von Segesser LK.
Impact of the bicuspid aortic valve on aortic root hemodynamics: three-dimensional
computed fluid dynamics simulation.
Interact Cardiovasc Thorac Surg. 2018;27:446-454
PMID: 29579303

130) Putzu A, **Ferrari E**, Gallo M, Cassina T, Landoni G.
Randomized Evidence on Perioperative Statin Therapy in Cardiac Surgery.
Ann Thorac Surg. 2018;105:665-666
PMID: 29362180

131) **Ferrari E**, von Segesser LK, Berdajs D, Muller L, Halbe M, Maisano F.
Clinical experience in minimally invasive cardiac surgery with virtually wall-less venous cannulas.
Innovations. 2018;13:104-107
PMID: 29677020

132) Berdajs D, Mosbahi S, Eckstein F, Reuthebuch O, Grapow M, **Ferrari E**, von Segesser LK.
Impact of aortic root annuloplasty on 3D aortic root geometry.
J Surg Res. 2018;225:45-53
PMID: 29605034

133) Von Segesser LK, Berdajs D, Abdel-Sayed S, **Ferrari E**, Halbe M, Wilhelm M, Maisano F.
New, optimized, dual lumen cannula for veno-venous ECMO
Perfusion. 2018;33:18-23
PMID: 29788840

134) Guerrero M, Urena M, Himbert D, Wang DD, Eleid M, Kodali S, George I, Chakravarty T, Mathur M, Holzhey D, Pershad A, Fang HK, O'Hair D, Jones N, Mahadevan VS, Dumonteil N, Rodés-Cabau J, Piazza N, **Ferrari E**, Ciaburri D, Nejjari M, DeLago A, Sorajja P, Zahr F, Rajagopal V, Whisenant B, Shah PB, Sinning JM, Witkowski A, Eltchaninoff H, Dvir D, Martin B, Attizzani GF, Gaia D, Nunes NSV, Fassa AA, Kerendi F, Pavlides G, Iyer V, Kaddissi G, Witzke C, Wudel J, Mishkel G, Raybuck B, Wang C, Waksman R, Palacios I, Cribier A, Webb J, Bapat V, Reisman M, Makkar R, Leon M, Rihal C, Vahanian A, O'Neill W, Feldman T.
1-Year Outcomes of Transcatheter Mitral Valve Replacement in Patients with Severe Mitral Annular Calcification.
J Am Coll Cardiol. 2018;71:1841-1853
PMID: 29699609

135) Wahlers TCW, Andreas M, Rahmanian P, Candolfi P, Zemanova B, Giot C, **Ferrari E**, Laufer G.

Outcomes of a rapid deployment aortic valve versus its conventional counterpart: a propensity-matched analysis.

Innovations 2018;13:177-183

PMID: 29912142

136) Putzu A, Gallo M, **Ferrari E**, Cassina T, Landoni G.

Statin Therapy before Cardiac Surgery: Neutral or Detrimental Effects?

Anesthesiology. 2018;128:685-686

PMID: 29438254

137) Caporali E, Van Den Berg JC, **Ferrari E**.

Endovascular treatment of complex aortic injuries 40 years after surgery for aortic coarctation.

J Vasc Surg Cases Innov Tech. 2018;4:181

PMID: 29942917

138) Cheung A, Webb J, Schaefer U, Moss R, Deuschl F, Conradi L, Denti P, Latib A, Kiaii B, Bagur R, **Ferrari E**, Moccetti M, Biasco L, Blanke P, Ben-Gal Y, Banai S.

Transcatheter mitral valve replacement in patients with previous aortic valve replacement.

Circ Cardiovasc Interv. 2018; 11(10):e006412. doi: 10.1161/CIRCINTERVENTIONS.118.006412

PMID: 30354628

139) Biasco L, Pedrazzini G, De Backer O, Klersy C, Bellesi L, Presilla S, Badini M, Faletra F, Pasotti E, **Ferrari E**, Demertzis S, Moccetti T, Aviano D, Moccetti M.

Radiological exposure of patients undergoing transcatheter aortic valve implantation in contemporary practice.

J Cardiovasc Med. 2018;19:579-585

PMID: 30045085

140) Biasco L, **Ferrari E**, Pedrazzini G, Faletra F, Moccetti T, Petracca F, Moccetti M.

Access sites for TAVI: patient selection criteria, technical aspects, and outcomes.

Front. Cardiovasc Med. 2018;5:88

PMID: 30065928

141) Torre T, Leo LA, Demertzis S, **Ferrari E**.

Giant Left Coronary Artery Aneurysms and Concomitant Coronary Disease.

Ann Cardiovasc Surg. 2018;1:1005

142) Gallo M, Demertzis S, Torre T, **Ferrari E**.

Direct surgical transcatheter heart valve implantation in a calcified mitral valve.

Multimed Man Cardiothorac Surg. 2018;2018. doi: 10.1510/mmcts.2018.053.

PMID: 30285323

2019

143) **Ferrari E**, Piazza G, Scoglio M, Berdajs D, Tozzi P, Maisano F, von Segesser LK.

Suitability of 3D-printed root models for the development of transcatheter aortic root repair

technologies.

ASAIO J. 2019;65:874-881

PMID: 30325848

144) Conti M, Vandenberghe S, Marconi S, **Ferrari E**, Romarowski RM, Morganti S, Auricchio F, Demertzis S.

Reversed auxiliary flow to reduce embolism risk during TAVI: a computational simulation and experimental study.

Cardiovasc Eng Technol. 2019;10:124-135

PMID: 30341729

145) Mosbahi S, Stak D, Gravestock I, Burgstaller JM, Steurer J, Eckstein F, **Ferrari E**, Berdajs DA.

A systemic review and meta-analysis: Bentall versus David procedure in acute type A aortic dissection.

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