

CURRICULUM VITAE

Vito Domenico BRUNO, MD PhD

PERSONAL INFORMATION

Name VITO DOMENICO **BRUNO**
Address BRISTOL HEART INSTITUTE
UPPER MAUDLIN STREET
BS2 8HW, BRISTOL
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Nationality Italian

WORK EXPERIENCE

- Dates (from – to) October 2002 – July 2007
 - Employer University Hospital of Varese (Italy)
 - Sector Cardiac Surgery
 - Position held **Specialization Training program in Cardiac Surgery**
- Main activities and responsibilities Clinical and surgical management of Cardiac surgery patients.
Trainee in Cardiac Surgery: 1st or 2nd assistant in about 600 major cardiac surgery procedures.
Management of pre-operative assessment and post-operative care of cardiac surgery patient in intensive care unit and cardiac surgical ward

- Dates (from – to) July 2007 – July 2009
 - Employer University Hospital of Bristol (United Kingdom)
 - Sector Cardio-Thoracic Surgery
 - Position held **Clinical Fellow in Cardiothoracic Surgery (Specialist Registrar level)**
- Main activities and responsibilities Clinical and surgical management in the preoperative, intraoperative (as first Surgeon and assistant) and postoperative care of cardio-thoracic patients. Clinical Audit and Research in Cardio-Thoracic Surgery.
Multidisciplinary meeting in Cardiac Surgery and Thoracic Surgery
Outpatients clinics of Cardio-Thoracic patients

- Dates (from – to) July 2009 – March 2011
 - Employer University Hospital of Varese (Italy)
 - Sector Cardiac Surgery
 - Position held **Staff Surgeon**
- Main activities and responsibilities Clinical and surgical management in the preoperative, intraoperative (as first Surgeon and assistant) and postoperative care of cardiac surgery patients.
Outpatients clinic co-ordinator.

- Dates (from – to) July 2011 - December 2012
- Employer University Hospital Of Bristol (United Kingdom)
- Sector Cardio-Thoracic Surgery
- Position held **Clinical Fellow in Cardiothoracic Surgery (Specialist Registrar level)**
- Main activities and responsibilities Clinical and surgical management in the preoperative, intraoperative (as first Surgeon and assistant) and postoperative care of cardio-thoracic patients. Clinical Audit and Research in Cardio-Thoracic Surgery. Multidisciplinary meeting in Cardiac Surgery and Thoracic Surgery. Outpatients clinics of Cardio-Thoracic patients

- Dates (from – to) January 2013 - October 2014
- Employer Cardiocentro Ticino Lugano (Switzerland)
- Sector Cardiac Surgery
- Position held **Staff Surgeon (“Chef de Clinique”)**
- Main activities and responsibilities Clinical and surgical management in the preoperative, intraoperative (as 1st assistant) and postoperative care of cardiac patients. Surgical preparation in Pace-Maker, ICD and CRT-D insertion.

- Dates (from – to) November 2014- up to now
- Employer Bristol Heart Institute
- Sector Cardiac Surgery
- Position held **Senior Registrar**
- Main activities and responsibilities Clinical and surgical management in the preoperative, intraoperative (as first Surgeon and assistant) and postoperative care of cardio-thoracic patients. Clinical Audit and Research in Cardio-Thoracic Surgery. Multidisciplinary meeting in Cardiac Surgery and Thoracic Surgery. Outpatients clinics of Cardio-Thoracic patients

EDUCATION AND TRAINING

- Date September 10, 2002
- Organization University of Insubria Medical School, Varese, Italy
- Qualification awarded **Degree in Medicine and Surgery**

- Date July 25, 2003
- Organization University of Insubria Medical School, Varese, Italy
- Qualification awarded **Italian Medical Council Registration**

- Date October 2002 – October 2007
- Organization University of Insubria Medical School, Varese, Italy
- Qualification awarded **Residency in Cardiac Surgery**

- Date May 9, 2007
- Organization General Medical Council of the United Kingdom
- Qualification awarded **UK Medical Council Registration**

- Date February 2006 – June 2006
- Organization University of Milano Medical School, Milano, Italy
- Qualification awarded **Post-graduate course on peripheral vascular eco-color-doppler**

- Date November 2007 – February 2011
- Organization University of Insubria, Medical School, Varese-Como, Italy
- Qualification awarded **Postgraduate Doctorate (PhD) in Surgery and Surgical Biotechnologies**

MANUSCRIPTS

1. • Journal and Date Ital Heart J Suppl. 2005;6(5):297-301
• Authors Leva C, Mariscalco G, Bruno VD, Mantovani V, Musazzi A, Ferrarese S, Boscarini M, Sala A.
• Title *“Hybrid” management of aortic coarctation associated with atrioventricular valve regurgitation in the adult*
2. • Journal and Date Journal of Cardiovascular Surgery 2005;46:291-6
• Authors Mantovani V, Mariscalco G, Borsani P, Tenconi S, Bruno VD, Leva C, Ferrarese S, Sala A.
• Title *Effects of adenosine and defibrotide adjunct to a standard crystalloid cardioplegic solution.*
3. • Journal and Date Texas Heart Institute Journal. 2005;32(4):583-5
• Authors Mariscalco G, Blanzola C, Leva C, Bruno VD, Luvini M, Sala A.
• Title *19-year patency of a coronary-coronary bypass graft*
4. • Journal and Date Journal of Cardiac Surgery 2006;21(1):77-80
• Authors Borsani P, Mariscalco G, Blanzola C, Leva C, Bruno VD, Cozzi G, Casnedi S, Dainese E, Sala A.
• Title *Asymptomatic cardiac papillary fibroelastoma: diagnostic assessment and therapy.*
5. • Journal and Date Journal of Cardiac Surgery 2006;21(1):44-9
• Authors Leva C, Mariscalco G, Ferrarese S, Bruno VD, Orrù A, Cattaneo P, Sala A.
• Title *The Role of Zofenopril in myocardial protection during cardioplegic arrest: an Isolated rat heart model.*
6. • Journal and Date Texas Heart Institute Journal 2007;34:105-7
• Authors Cattaneo P, Marchetti P, Bruno VD, Mariscalco G, Sala A
• Title *Color Doppler imaging of the ophthalmic artery during selective cerebral perfusion.*
7. • Journal and Date Journal of Cardiac Surgery 2007;22(5):379-84
• Authors Cattaneo P, Bruno VD, Mariscalco G, Marchetti P, Ferrarese S, Salerno-Uriarte J, Sala A.
• Title *Early hemodynamic results of the Shelhigh SuperStentless aortic bioprostheses.*
8. • Journal and Date International Journal Of Cardiology. 2009; 133(3) e106-8
• Authors Cattaneo P, Marchetti P, Baravelli M, Rossi A, Bruno VD, Anzà C.
• Title *Could left ventricular apical ballooning represent spontaneous myocardial infarction abortion?*
9. • Journal and Date Annals of Thoracic Surgery 2009;87:301-3
• Authors Bruno VD, Batchelor TJP.
• Title *Late aortic injury: a rare complication of a posterior rib fracture.*

10. • Journal and Date Journal of Vascular Surgery 2010;51(4):993-9
 - Authors Piffaretti G, Mariscalco G, Tozzi M, Bruno VD, Sala A, Castelli P.
 - Title *Acute iatrogenic type A aortic dissection following thoracic aortic endografting*

11. • Journal and Date Journal of Cardiac Surgery 2010;25(2):198-205
 - Authors Mariscalco G, Bruno VD, Borsani P, Dominici C, Sala A.
 - Title *Papillary fibroelastoma: insight to a primary cardiac valve tumor.*

12. • Journal and Date Physiol Genomics 2010;42(1):67-75
 - Authors Ghorbel MT, Cherif M, Mokhtari A, Bruno VD, Caputo M, Angelini GD.
 - Title *Off-pump coronary artery bypass surgery is associated with fewer gene expression changes in the human myocardium in comparison to on-pump surgery.*

13. • Journal and Date Angiology 2010;61(7):643
 - Authors Mariscalco G, Sarzi Braga S, Banach M, Borsani P, Bruno VD, Napoleone M, Vitale C, Piffaretti G, Pedretti RF, Sala A.
 - Title *Preoperative n-3 polyunsaturated fatty acids are associated with a decrease in the incidence of early atrial fibrillation following cardiac surgery*

14. • Journal and Date Asian Cardiovasc Thorac Ann 2010.18(5):486-8
 - Authors Bruno VD, Mariscalco G, Franzi F, Miceli A, Piffaretti G, Sala A.
 - Title *Ectopic congenital thymic cyst in the right pleural cavity.*

15. • Journal and Date Texas Heart Institute Journal 2011. In press
 - Authors Bruno VD, Mariscalco G, De Vita S, Piffaretti G, Nassiacos D, Sala A.
 - Title *Aortic valve papillary fibroelastoma a rare cause of angina.*

16. • Journal and Date Journal of Thoracic and Cardiovasc Surg 2011;141(3):771-6.
 - Authors Miceli A, Bruno VD, Capoun R, Romeo F, Angelini GD, Caputo M.
 - Title *Occult renal dysfunction: a mortality and morbidity risk factor in coronary artery bypass grafting surgery.*

17. • Journal and Date Heart 2011; 97(5):362-5
 - Authors Miceli A, Bruno VD, Capoun R, Duggan SR, Romeo F, Angelini GD, Caputo M.
 - Title *Mild renal dysfunction in patients undergoing cardiac surgery as a new risk factor for EuroSCORE.*

18. • Journal and Date Circulation Journal 2011, 75(12):2805-12.
 - Authors Mariscalco G, Bruno VD, Cottini M, Borsani P, Banach M, Piffaretti G, Dominici C, Beghi C, Sala A.
 - Title *Optimal timing of discontinuation of clopidogrel and risk of blood transfusion after coronary surgery – propensity score analysis.*

19. • Book Chapter Chirurgia (di R. Dionigi, V Edition - 2011); Chapter 68; 1177- 92.
 - Authors Borsani P, Bruno VD, Sala A.
 - Title *Valvulopatie acquisite.*

20. • Journal and Date Archives of Medical Sciences, 2014, 10(3):630-1.
 - Authors Bruno VD, Duggan SM, Capoun R, Ascione R.
 - Title *Methamphetamine induced cardiomyopathy causing severe mitral valve regurgitation.*

21. • Journal and Date Journal of Cardiac Surgery, 2012, Nov;27(6):719. doi: 10.1111/jocs.12000
 • Authors Shuckla R, Bruno VD, Aresu G, Ascione R.
 • Title *Right Ventricular injury due to displaced sternal wire.*
22. • Journal and Date Journal of Thoracic and Cardiovascular Surgery , 2016 Feb, in press
 • Authors M. Zakkar, V.D. Bruno, G. Guida, G.D. Angelini, P. Chivasso, M.S. Suleiman, A.J. Bryan, R. Ascione.
 • Title *Postoperative acute kidney injury defined by RIFLE predicts early health outcome and long-term survival in patients undergoing redo coronary artery bypass surgery.*

ABSTRACTS

1. • Meeting XXII National Congress of the Italian Society of Cardiac Surgery. Bologna 6-9 November 2004
 • Authors Cozzi G, Leva C, Mariscalco G, Bruno VD, Blanzola C, Mantovani V, Sala A..
 • Title *Efficacy of cold blood cardioplegia in the preservation of right ventricular function.*
2. • Meeting XXII National Congress of the Italian Society of Cardiac Surgery. Bologna 6-9 November 2004
 • Authors Ferrarese S, Leva C, Bruno VD, Semeraro F, Blanzola C, Mariscalco G, Sala A.
 • Title *Shelhigh No-react aortic valve conduit: early hemodynamic and clinical results.*
3. • Meeting 54 ESCVS International Congress. Athens, Greece. 19-22 May 2005
 • Authors Mariscalco G, Ferrarese S, Bruno VD, Orrù A, Sala A.
 • Title *Shelhigh No-React aortic valve conduit: early hemodynamic and clinical results.*
4. • Meeting XXIII National Congress of the Italian Society of Cardiac Surgery. Rome 2-5 December 2006
 • Authors Ferrarese S, Mariscalco G, Bruno VD, Cantore C, Gandini E, Tozzi M, Musazzi A, Sala A.
 • Title *Neurological inflammation after coronary artery bypass surgery with leucocyte-depleting filtration*
5. • Meeting 56 ESCVS International Annual Congress. Venice, Italy. 17-20 May 2007
 • Authors Ferrarese S, Mariscalco G, Bruno VD, Musazzi AM, Mantovani V, Borsani P, Sala A.
 • Title *Hyperglycemia in diabetic and non-diabetic patients using buckberg solution cardioplegia.*
6. • Meeting 56 ESCVS International Annual Congress. Venice, 17-20 May 2007
 • Authors Mariscalco G, Ferrarese S, Bruno VD, Vanoli D, Cantore C, Sala A.
 • Title *Preoperative statins reduce atrial fibrillation following coronary artery surgery revascularization.*
7. • Meeting 56 ESCVS International Annual Congress. Venice, 17-20 May 2007.
 • Authors Mariscalco G, Ferrarese S, Bruno VD, Canziani L, Borsani P, Mantovani V, Musazzi AM, Sala A.
 • Title *Clinical features and follow-up after 25 years of cardiac myxoma surgery.*

8. • Meeting XXV Meeting of the Society of Cardiac Surgeons. Pamplona, Spain. 21-23 June 2007.
 - Authors Ferrarese S, Mariscalco G, Bruno VD, Musazzi AM, Borsani P, Sala A.
 - Title *Hyperglycemia during cardiopulmonary bypass in diabetic and non-diabetic patients using different cardioplegic solutions.*

9. • Meeting 57 European Society Cardiovascular Surgery Annual Meeting. Barcelona, Spain. 24-27 April 2008
 - Authors Borsani P, Mariscalco G, Ferrarese S, Scannapieco A, Napoleone M, Cantore C, Bruno VD, Sala A.
 - Title *26-years experience of type A aortic dissection surgical treatment: long term results and analysis of the involved variable.*

10. • Meeting 57 European Society Cardiovascular Surgery Annual Meeting. Barcelona, Spain. 24-27 April 2008
 - Authors Mariscalco G, Borsani P, Ferrarese S, Zanobini M, Bruno VD, Cantore C, Cozzi GP, Sala A.
 - Title *Atrial fibrillation after coronary artery bypass grafting surgery reduces late post-operative survival.*

11. • Meeting XXIV National Meeting of the Italian Society for Cardiac Surgery, Rome 8-11 November 2008.
 - Authors Bruno VD (Speaker), Ascione R
 - Title *An effective, simple reproducible and inexpensive novel approach to mitral valve remodeling annuloplasty.*

12. • Meeting Heart Failure 2009. Nice 30 May – 2 June 2009.
 - Authors Ghorbel MT, Cherif M, Mokhtari A, Bruno VD, Angelini GD, Caputo M.
 - Title *Coronary artery bypass surgery causes genomic changes in the human myocardium that are ameliorated by off-pump surgery.*

13. • Meeting 1 European Meeting of Young Surgeons, Rome 19-21 June 2009.
 - Authors Miceli A, Bruno VD, Fiorani B, Mokhtari A, Bogdan C, Capoun R, Narayan P, Romeo F, Angelini GD, Caputo M.
 - Title *A clinical score to identify high risk patients undergoing CABG who may benefit from elective use of IABP.*

14. • Meeting 1 European Meeting of Young Surgeons, Rome 19-21 June 2009
 - Authors Bruno VD (Speaker), Miceli A, Ray D, Capoun R, Ascione R
 - Title *A novel and simple approach to remodeling annuloplasty for degenerative disease.*

15. • Meeting American Heart Association annual meeting. Orlando, Florida 14-18 November 2009
 - Authors Miceli A, Bruno VD, Caputo M, Angelini GD.
 - Title *Occult renal dysfunction: a mortality risk factor in patients undergoing coronary artery bypass grafting.*

16. • Meeting 59 ESCVS Congress. Izmir , Turkey. 15-18 April 2010
 - Authors Piffaretti G, Mariscalco G, Tozzi M, Rivolta N, Borsani P, Bruno VD (Speaker), Castelli P, Sala A.
 - Title *Predictive factors for complications following surgical repair of iatrogenic femoral pseudoaneurysms*

17. • Meeting 59 ESCVS Congress. Izmir , Turkey. 15-18 April 2010
 • Authors Ferrarese S, Vigetti D, Mariscalco G, Cantore C, Beltrami A, Clerici M, Bruno VD, Sala A.
 • Title *Leukocyte filtration effect on neurological inflammation after on-pump coronary surgery.*
18. • Meeting XXV SICCH National Congress. Rome, Italy 6-9 November 2010
 • Authors Mariscalco G, Beghi C, Nicolini F, Rubino A, Gherli R, Bruno VD, Piffaretti G, Renzulli A, Gherli T, Sala A.
 • Title *Cerebrovascular accidents after aortic root replacement for ascending aortic aneurysms.*
19. • Meeting XXV SICCH National Congress. Rome, Italy 6-9 November 2010
 • Authors Bruno VD (Speaker), Mariscalco G, Piffaretti G, Cottini M, Braho O, Musazzi A, Sala A.
 • Title *Early outcome after coronary artery bypass grafting with mini-extracorporeal circulation.*
20. • Meeting 60 ESCVS International Congress, Moscow, Russia 20-22 May 2011
 • Authors Borsani P, Mariscalco G, Tenconi S, Cottini M, Bruno VD , Piffaretti G, Dominici C, Sala A.
 • Title *Clopidogrel and bleeding in Cardiac Surgery.*
21. • Meeting *National Joint Congress of the Swiss Society for Cardiology and Swiss Society for Cardiac Surgery, Lugano, Switzerland 12-14 June 2014*
 • Authors Franciosi G, Torre T, Trunfio R, Cianci V, Bruno VD, Demertzis S, Siclari F.
 • Title *Surgical treatment of native and prosthetic valve endocarditis, outcomes and survival.*
22. • Meeting European Society of Cardiology Annual Meeting, Amsterdam, The Netherlands 31 August-4 September 2013.
 • Authors Bruno VD(Presenter), Zebele C, Chivasso P, Sedmakov H, Ascione R.
 • Title *Pericardial versus artificial ring remodeling annuloplasty for surgical repair of degenerative valve disease: a propensity score analysis.*
23. • Meeting *27th EACTS Annual Meeting, Vienna, Austria 5-9 October 2013.*
 • Authors Zebele C, Chivasso P, Bruno VD, Sedmakov C, Angelini GD, Caputo M, Parry A, Stoica S.
 • Title *The Ross operation in children and young adults: 11-years results and trends from the United Kingdom national database.*
24. • Meeting *National Joint Congress of the Swiss Society for Cardiology and Swiss Society for Cardiac Surgery, Interlaken, Switzerland 11-13 June 2014 .*
 • Authors Bruno VD(Presenter),Cenci F,Torre TM, Trunfio R, Clerici A, Franciosi G, Demertzis S, Siclari F.
 • Title *Effect of Cardiac Catheterization Timing on Postoperative renal failure in patients undergoing on-pump coronary artery bypass grafting (Best Abstract for Cardiac Surgery)*
25. • Meeting *National Joint Congress of the Swiss Society for Cardiology and Swiss Society for Cardiac Surgery, Interlaken, Switzerland 11-13 June 2014.*
 • Authors Demertzis S, Torre TM, Bruno VD, Siclari F, Trunfio R.
 • Title *Multivessel minimally invasive coronary artery bypass grafting: The quest of the proximal anastomosis.*
26. • Meeting *National Joint Congress of the Swiss Society for Cardiology and Swiss Society for Cardiac Surgery, Interlaken, Switzerland 11-13 June 2014*
 • Authors Torre TM, Bruno VD, Trunfio R, Cenci F, Franciosi G, Demertzis S, Siclari F.
 • Title *Long-term of minimally invasive open heart surgery.*

27. • Meeting *Heart Rhythm 2015, Boston 13-16 May, 2015*
• Authors *Frontera A, Breitenstein A, Panikker S, Connelly GM, Bruno VD, Rio T, Dhinoja M, Hussain W, Schilling RJ, Thomas G, Wong T, Hunter R, Duncan E.*
• Title *Safety and outcome of catheter ablation of ventricular tachycardia in octogenarians.*
28. • Meeting *SCTS Annual Meeting 2016, Birmingham 12-15 March 2016*
• Authors *Chivasso P, Bruno VD, Marsico R, Annaiah A, Bryan AJ, Angelini GD, Rajakaruna C.*
• Title *Use of Aprotinin in thoracic aortic surgery: effectiveness and safety.*
29. • Meeting *SCTS Annual Meeting 2016, Birmingham 12-15 March 2016*
• Authors *V D Bruno; M Zakkar; G Guida; F Rapetto; A J Bryan; R. Ascione;*
• Title *Early and long term outcome following redo off-pump coronary artery bypass surgery.*

AWARD

- Award Best Cardiac Surgery Abstract
- Meeting Swiss Society for Cardiac Surgery and Thoracic Vascular Surgery National Congress Interlaken (CH), June 11 – 13, 2014.
- Title *Effect of Cardiac Catheterization Timing on Postoperative renal failure in patients undergoing on-pump coronary artery bypass grafting.*
- Author Bruno VD , Cenci F, Torre TM, Trunfio R, Clerici A, Franciosi G, Demertzis S, Siclari F.

CLINICAL AUDIT

- Organization University Hospital of Bristol
- Audit Title *Effect of Aprotinin on early and long term outcome in adult patients undergoing congenital heart surgery*
- Date 21.11.2012

- Organization University Hospital of Bristol
- Audit Title *Early and long term outcome of mitral valve surgical procedures in adult patients.*
- Date 12.12.2013

MEMBERSHIP

- Society European Society of Cardiology
- Working Group Working Group on Cardiovascular Surgery
- Year 2013

- Society European Society of Cardiology
- Working Group Working Group on Valvular Heart Disease
- Year 2013

- Society Schweizerische Gesellschaft für Herz und thorakale Gefässchirurgie
Swiss Society for Cardiac and Thoracic Vascular Surgery
- Membership 2013

- Society European Association for Cardio-Thoracic Surgery
- Membership 2015

MOTHER TONGUE

Italian

OTHER LANGUAGES

English

- Reading skills EXCELLENT
- Writing skills Excellent
- Verbal skills Excellent

TECHNICAL SKILLS AND I.T.
COMPETENCES

Operative systems:

- Windows
- Linux
- Mac OS

Office Suites:

- MS Excel
- MS Access
- MS Word
- MS Power Point
- OpenOffice

Statistical Software:

- SPSS: knowledge and use of the main Statistical Packages
- R : knowledge and use of the main Statistical Packages

Statistic courses:

- SPSS Scientific Research Statistical Analysis SRS1- 2006
- SPSS Scientific Research Statistical Analysis SRS2 - 2007
- Introduction to regression in R.
University College of London- Institute of Child Health.
London 17-18 February 2016.