



## Curriculum Vitae

Personal information **Victor Mosquera Rodriguez**

Work experience

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**Specialised doctor Senior Consultant in Cardiac Surgery**  
*Complejo Hospitalario Universitario de A Coruña, SERVICIO GALEGO DE SAUDE* [ 01/06/2009 – Current

**City:** A Coruña

**Country:** Spain

**Name of unit or department:** Cardiac Surgery Department at the Complejo Hospitalario Universitario de A

Coruña, Spain. - **Business or sector:** Human health and social work activities

- Senior Consultant of Cardiac Surgery with surgical activity and responsible for the Heart Team of endovascular, hybrid and open treatment of aortic pathologies; responsible for the cardiac surgery branch of the Heart Team of transcatheter heart valve therapies (including TAVI and Transcatheter mitral repair); Heart and Lung Transplantation Programs; Ventricular Assist Device Program; responsible for the infective endocarditis Heart Team; conventional open valve surgery; coronary artery by-pass grafting, and responsible for the cardiac surgery branch of the Heart Team of implantable cardiac devices at the Cardiac Surgery Department, Complejo Hospitalario Universitario de A Coruña, Spain.
- Head of the Training Program for Cardiac Surgery Residents, educational programs/activities and graduate/postgraduate education of the Cardiac Surgery Department at the Complejo Hospitalario Universitario de A Coruña, Spain.
- Active teaching and coaching at the Faculty of Medicine of the University of Santiago de Compostela, Spain.

Education and training

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**Bachelor of Surgery (MBBS, BMBS, MBChB, MBBCh) and Doctor of Medicine (MD)**

*Faculty of Medicine, University of Santiago de Compostela* [ 01/09/1997 – 13/08/2003 ]

**Address:** Rúa de San Francisco, s/n, 15782 Santiago de Compostela, A Coruña, 15782 Santiago de Compostela (Spain)

<https://www.usc.es/es/centros/medodo/>

**Final grade :** Honor Mention

First National Award for best graduation medical student granted by Fundación San Nicolás, Real Academia Nacional de Medicina (January, 2004).

Award "**Premio Licenciado de la Fundación San Nicolás**" given by the **Real Academia Nacional de Medicina** (the Spanish National Royal Academy of Medicine) (13/01/2004).

### **PhD Doctorate Degree in Medicine and Surgery**

*Faculty of Health Sciences, University of A Coruña* [ 25/09/2009 – 12/07/2012 ]

**Address:** Campus de Oza, 15006 A Coruña, 15006 A Coruña (Spain)

[https://www.udc.es/es/centros\\_departamentos\\_servizos/centros/centro/?codigo=653](https://www.udc.es/es/centros_departamentos_servizos/centros/centro/?codigo=653)

**Field(s) of study:** Health and welfare : *Medical diagnostic and treatment technology*  
*Medicine*

**Final grade :** Honor Mention, Special Award

**Thesis :** Development and validation of a score for early diagnosis of aortic injuries in major blunt chest t

Title of the Ph.D. Thesis: "*Epidemiology of acute traumatic aortic injuries in Galicia, Spain. Development*

*and validation of a score for early diagnosis of aortic injuries in major blunt chest trauma patients and*

*optimization of management algorithm*".

Ph.D. in Medical Science, University of A Coruña. Mención Doctor Internacional (July, 2012). Honor mention *APTO cum laude* and International Ph.D.

**Award for the best Ph.D. thesis granted by the University of A Coruña, October 29 , 2013. (Premio**

**Extraordinario de Doctorado en Ciencias de la Salud 2012-2013).**

### **Specialist in Cardiovascular Surgery, Spanish National Residency Program in Cardiovascular Surgery**

*Complejo Hospitalario Universitario de A Coruña* [ 01/06/2004 – 31/05/2009 ]

**Address:** Lugar, Xubias de Arriba, 84, 15006 A Coruña, 15006 A Coruña (Spain)

**Field(s) of study:** Health and welfare : *Medicine*

**Final grade :** Specialist in Cardiovascular Surgery

Cardiovascular Surgery Residency, Complejo Hospitalario Universitario de A Coruña, A Coruña, Spain  
(June 2004- May 2009).

- First Award for best Oral Presentation-Poster Forum. Reunión Científica Anual de la Sociedade Galega de CardioloXía CardioloXía 2005.
- First Award for surgical resident with best scientific publications granted by Comisión de Investigación del Complejo Universitario A Coruña durante las XI Jornadas para la Promoción de la Investigación Biomédica (June, 2009).
- International Scientific Award "Paper of the Year 2009" granted by The Lancet journal for the best medical article in 2009. "Prediction of mortality and major cardiac events by exercise echocardiography in patients with normal exercise electrocardiographic testing" published in J Am Coll Cardiol 2008;53:1981-90.
- First Award for the surgical article with highest impact factor, granted by the Complejo Hospitalario Universitario de A Coruña and the INIBIC, "XIII JORNADAS PARA LA PROMOCION DE LA INVESTIGACION"  
June 17 , 2011.
- Second Award for the surgical article with highest impact factor, granted by the Complejo Hospitalario Universitario de A Coruña and the INIBIC, "XIV JORNADAS PARA LA

Additional information

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Publications

**Efficacy and safety of transcatheter valve-in-valve replacement for Mitroflow bioprosthetic valve dysfunction**

[2018]

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jocs.13720>

**Evolution of conservative treatment of acute traumatic aortic injuries: lights and shadows** [2018]

<https://academic.oup.com/ejcts/article/54/4/689/4967682>

Eur J Cardiothorac Surg. 2018 Oct 1;54(4):689-695. doi: 10.1093/ejcts/ezy109.

**Value of the coronary artery disease consortium rule in patients with acute chest pain and negative troponins referred for exercise stress testing**

[https://journals.lww.com/euro-emergencymed/Abstract/2018/06000/Value\\_of\\_the\\_coronary\\_artery\\_disease\\_consortium.5.aspx](https://journals.lww.com/euro-emergencymed/Abstract/2018/06000/Value_of_the_coronary_artery_disease_consortium.5.aspx)

Eur J Emerg Med. 2018 Jun;25(3):178-184. doi: 10.1097/MEJ.0000000000000440.

**Long-Term Outcomes and Durability of the Mitroflow Aortic Bioprosthesis** [2016]

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jocs.12726>

J Card Surg. 2016 May;31(5):264-73. doi: 10.1111/jocs.12726. Epub 2016 Mar 14.

**Temporal changes in the use and results of exercise echocardiography** [2016]

<https://academic.oup.com/ehjcmimaging/article/16/11/1207/2403251>

**Gold Nanorod-Based Nanohybrids for Combinatorial Therapeutics** [2018]

<https://pubs.acs.org/doi/10.1021/acsomega.8b01591>

ACS Omega. 2018 Oct 31;3(10):12633-12647. doi: 10.1021/acsomega.8b01591.

Epub 2018 Oct 4.

**Triggered RNAi Therapy Using Metal Inorganic Nanovectors** [2019]

<https://pubs.acs.org/doi/10.1021/acs.molpharmaceut.9b00021>

Mol Pharm. 2019 Aug 5;16(8):3374-3385. doi:

10.1021/acs.molpharmaceut.9b00021. Epub 2019 Jun 25.

**Repair of Late Retrograde Type A Aortic Dissection After TEVAR: Causes and Management**

[2016]

<https://onlinelibrary.wiley.com/doi/full/10.1111/jocs.12698>

J Card Surg. 2016 Mar;31(3):164-7. doi: 10.1111/jocs.12698. Epub 2016 Jan 20.

**Combination of light-driven co-delivery of chemodrugs and plasmonic-induced heat for cancer**

**therapeutics using hybrid protein nanocapsules** [2019]

<https://jnanobiotechnology.biomedcentral.com/articles/10.1186/s12951-019-0538-3>

J Nanobiotechnology. 2019 Oct 15;17(1):106. doi: 10.1186/s12951-019-0538-3.

**Indexed left atrial size predicts all-cause and cardiovascular mortality in patients undergoing aortic valve surgery**

[2017]

[https://www.jtcvs.org/article/S0022-5223\(17\)30205-2/fulltext](https://www.jtcvs.org/article/S0022-5223(17)30205-2/fulltext)

**Challenging treatment of an expanding aortic arch pseudoaneurysm in a high-risk patient with previous coronary surgery**

[2017]

<https://academic.oup.com/icvts/article/24/3/471/2514381>

Interact Cardiovasc Thorac Surg. 2017 Mar 1;24(3):471-473. doi: 10.1093/icvts/ivw334.

**Predictors of outcome and different management of aortobronchial and aorto-esophageal fistulas**

[2014]

[https://www.jtcvs.org/article/S0022-5223\(14\)00582-0/fulltext](https://www.jtcvs.org/article/S0022-5223(14)00582-0/fulltext)

**Traumatic brachiocephalic trunk pseudoaneurysm**

[2013]

<https://onlinelibrary.wiley.com/doi/abs/10.1111/jocs.12117>

J Card Surg. 2013 Jul;28(4):430-2. doi: 10.1111/jocs.12117. Epub 2013 May 9.

**Incremental value of exercise echocardiography over exercise electrocardiography in a chest pain unit**

[2015]

[https://www.ejinme.com/article/S0953-6205\(15\)00249-6/fulltext](https://www.ejinme.com/article/S0953-6205(15)00249-6/fulltext)

Eur J Intern Med. 2015 Nov;26(9):720-5. doi: 10.1016/j.ejim.2015.08.002. Epub 2015 Aug 28.

**Lower limb overflow syndrome in extracorporeal membrane oxygenation**

[2014]

<https://academic.oup.com/icvts/article/19/3/532/2859491>

Interact Cardiovasc Thorac Surg. 2014 Sep;19(3):532-4. doi: 10.1093/icvts/ivu165. Epub 2014 Jun 4.

**Diagnosis, management and mortality in acute aortic syndrome: results of the Spanish Registry of Acute Aortic Syndrome (RESA-II)**

[2018]

[https://journals.sagepub.com/doi/10.1177/2048872616682343?url\\_ver=Z39.88-](https://journals.sagepub.com/doi/10.1177/2048872616682343?url_ver=Z39.88-)

[2003&rfr\\_id=ori%3Arid%3Aacrossref.org&rfr\\_dat=cr\\_pub++0pubmed&](https://journals.sagepub.com/doi/10.1177/2048872616682343?url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Aacrossref.org&rfr_dat=cr_pub++0pubmed&)

**Trends in referral patterns, invasive management, and mortality in elderly patients referred for exercise stress testing**

[2015]

[https://www.ejinme.com/article/S0953-6205\(15\)00283-6/fulltext](https://www.ejinme.com/article/S0953-6205(15)00283-6/fulltext)

Eur J Intern Med. 2015 Dec;26(10):787-91. doi: 10.1016/j.ejim.2015.08.016. Epub 2015 Sep 18.

**Minimal traumatic aortic injuries: meaning and natural history**

[2012]

<https://academic.oup.com/icvts/article/14/6/773/744942>

Interact Cardiovasc Thorac Surg. 2012 Jun;14(6):773-8. doi: 10.1093/icvts/ivs095. Epub 2012 Mar 21.

**The CarboMedics supra-annular Top Hat valve improves long-term left ventricular mass regression**

[2014]

[https://www.jtcvs.org/article/S0022-5223\(14\)00908-8/fulltext](https://www.jtcvs.org/article/S0022-5223(14)00908-8/fulltext)

**Blunt traumatic aortic injuries of the ascending aorta and aortic arch: a clinical multicentre study**

[2013]

[https://www.injuryjournal.com/article/S0020-1383\(12\)00551-7/fulltext](https://www.injuryjournal.com/article/S0020-1383(12)00551-7/fulltext)

Injury. 2013 Sep;44(9):1191-7. doi: 10.1016/j.injury.2012.12.011. Epub 2013 Jan 4.

**Association of left ventricular mass with all-cause mortality, myocardial infarction and stroke**

[2012]

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0045570>

PLoS One. 2012;7(9):e45570. doi: 10.1371/journal.pone.0045570. Epub 2012 Sep 26.

**Aortic injuries in crush trauma patients: different mechanism, different management**

[2013]

[https://www.injuryjournal.com/article/S0020-1383\(11\)00469-4/fulltext](https://www.injuryjournal.com/article/S0020-1383(11)00469-4/fulltext)

Injury. 2013 Jan;44(1):60-5. doi: 10.1016/j.injury.2011.09.022. Epub 2011 Oct 11.

**Traumatic aortic injuries associated with major visceral vascular injuries in major blunt trauma patients**

[2012]

<https://link.springer.com/article/10.1007/s00268-012-1536-x>

World J Surg. 2012 Jul;36(7):1571-80. doi: 10.1007/s00268-012-1536-x.

**Left atrial size and risk for all-cause mortality and ischemic stroke**

[2011]

<https://www.cmaj.ca/content/183/10/E657.long>

CMAJ. 2011 Jul 12;183(10):E657-64. doi: 10.1503/cmaj.091688. Epub 2011 May 24.

**[Initial experience with excimer laser-assisted pacemaker and defibrillator lead extraction]**

[2011]

<https://www.revespcardiol.org/en-linkresolver-experiencia-inicial-con-extraccion-electrodos-S0300893211003198>

Rev Esp Cardiol. 2011 Sep;64(9):824-7. doi: 10.1016/j.recesp.2010.12.016. Epub 2011 Jun 22.

**Traumatic aortic injury score (TRAINS): an easy and simple score for early detection of traumatic aortic injuries in major trauma patients with associated blunt chest trauma**

[2012]

<https://link.springer.com/article/10.1007%2Fs00134-012-2596-y>

Intensive Care Med. 2012 Sep;38(9):1487-96. doi: 10.1007/s00134-012-2596-y. Epub 2012 May 23.

**Mycotic pseudoaneurysm following a Bentall procedure**

[2010]

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1540-8191.2010.01048.x>

J Card Surg. 2010 Sep;25(5):566-7. doi: 10.1111/j.1540-8191.2010.01048.x.

**Value of exercise echocardiography for predicting mortality in elderly patients**

[2010]

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1365-2362.2010.02365.x>

**Role of conservative management in traumatic aortic injury: comparison of long-term results of conservative, surgical, and endovascular treatment**  
[2011]

[https://www.jtcvs.org/article/S0022-5223\(10\)01276-6/fulltext](https://www.jtcvs.org/article/S0022-5223(10)01276-6/fulltext)

**Mitral valve repair for ischemic mitral regurgitation using the Carpentier-McCarthy-Adams IMR ETlogix® ring: medium-term echocardiographic findings**

[2010]

<https://www.revespcardiol.org/es-buscador?txtVolumen=1200&txtPagina=>

Rev Esp Cardiol. 2010 Oct;63(10):1200-4. doi: 10.1016/s1885-5857(10)70235-8.

**Prediction of mortality and major cardiac events by exercise echocardiography in patients with normal exercise electrocardiographic testing**

[2009]

<https://www.sciencedirect.com/science/article/pii/S0735109709008195?via%3Dihub>

J Am Coll Cardiol. 2009 May 26;53(21):1981-90. doi: 10.1016/j.jacc.2009.01.067.

**Mid-term results of thoracic endovascular aortic repair in surgical high-risk patients**

[2009]

<https://academic.oup.com/icvts/article/9/1/61/721604>

**Right counterpulsation?**

[2007]

<https://academic.oup.com/ejcts/article/32/5/797/374009>

Eur J Cardiothorac Surg. 2007 Nov;32(5):797. doi: 10.1016/j.ejcts.2007.08.007.

Epub 2007 Sep 5.

**Challenging endovascular repair of a critical aortic endograft migration and massive type III endoleak**

[2010]

<https://academic.oup.com/icvts/article/11/3/257/813219>

**Subclinical thrombosis of the ascending aorta: a possible paraneoplastic syndrome**

[2009]

[https://www.annalsthoracicsurgery.org/article/S0003-4975\(08\)02451-X/fulltext](https://www.annalsthoracicsurgery.org/article/S0003-4975(08)02451-X/fulltext)

Ann Thorac Surg. 2009 Jul;88(1):263-5. doi: 10.1016/j.athoracsur.2008.11.020.

**Hybrid procedure for proximal arch and descending aortic aneurysms**

[2008]

[https://www.annalsthoracicsurgery.org/article/S0003-4975\(08\)00947-8/fulltext](https://www.annalsthoracicsurgery.org/article/S0003-4975(08)00947-8/fulltext)

Ann Thorac Surg. 2008 Dec;86(6):1989-91. doi: 10.1016/j.athoracsur.2008.04.099.

**[Reconstruction of the right ventricular outflow tract using a Medtronic Freestyle aortic root bioprosthesis]**

[2007]

Rev Esp Cardiol. 2007 Jun;60(6):656-9. doi: 10.1157/13107123.

**Extrinsic compression of the left atrium by a mediastinal hematoma secondary to inadvertent carotid puncture**

[2009]

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1540-8175.2008.00844.x>  
Echocardiography. 2009 May;26(5):586-8. doi: 10.1111/j.1540-8175.2008.00844.x.

**Early atrial septal defect surgery due to a bronchogenic cyst causing congestive heart failure by left atrium compression**

[2008]

<https://academic.oup.com/icvts/article/7/3/517/673921>

**Prognostic value of exercise echocardiography in patients with atrial fibrillation**

[2010]

Eur J Echocardiogr. 2010 May;11(4):346-51. doi: 10.1093/ejehocardi/jep212. Epub 2010 Feb 17.

**Synchronized parallel deployment of vascular plugs for treating large aneurysms of pulmonary arteries**

[2014]

J Card Surg. 2014 Sep;29(5):647-9. doi: 10.1111/jocs.12301. Epub 2014 Jan 27.

**Late complication of classic Fontan operation: giant right atrial thrombus and massive pulmonary thromboembolism**

[2008]

<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1540-8191.2008.00656.x>

J Card Surg. 2008 Nov-Dec;23(6):776-8. doi: 10.1111/j.1540-8191.2008.00656.x.

**Prognostic value of an exaggerated exercise blood pressure response in patients with diabetes mellitus and known or suspected coronary artery disease**

[2010]

[https://www.ajconline.org/article/S0002-9149\(09\)02678-2/fulltext](https://www.ajconline.org/article/S0002-9149(09)02678-2/fulltext)

Am J Cardiol. 2010 Mar 15;105(6):780-5. doi: 10.1016/j.amjcard.2009.10.059.

**Effect of atrial fibrillation on outcome in patients with known or suspected coronary artery disease**

**referred for exercise stress testing**

[2010]

[https://linkinghub.elsevier.com/retrieve/pii/S0002-9149\(09\)02912-9](https://linkinghub.elsevier.com/retrieve/pii/S0002-9149(09)02912-9)

Am J Cardiol. 2010 May 1;105(9):1207-11. doi: 10.1016/j.amjcard.2009.12.037.

Epub 2010 Mar 11.

**[Aortic valve replacement with a Cryolife O'Brien stentless bioprosthesis]**

[2007]

Rev Esp Cardiol. 2007 Jan;60(1):45-50.

**Complicated acute type B aortic dissection with involvement of an aberrant right subclavian artery and rupture of a thoracoabdominal aortic aneurysm, Crawford type I: successful emergency endovascular treatment**

[2007]

[https://www.jtcvs.org/article/S0022-5223\(07\)01108-7/fulltext](https://www.jtcvs.org/article/S0022-5223(07)01108-7/fulltext)

J Thorac Cardiovasc Surg. 2007 Oct;134(4):1055-7. doi:

10.1016/j.jtcvs.2007.06.024.

Projects **MAT2013-40971-R titled: "DISPOSITIVOS PARA IMAGEN Y TERAPIA MULTIMODAL BASADOS EN NANOFOSFOROS SOBRECONVERSORES"**

[ 01/01/2014 – 31/12/2016 ]

· Research project MAT2013-40971-R titled: "DISPOSITIVOS PARA IMAGEN Y TERAPIA MULTIMODAL BASADOS EN NANOFOSFOROS SOBRECONVERSORES" granted by the *Secretaria de Estado de Investigación, Desarrollo e Innovación, Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad, modalidad 1, "Retos Investigación": Proyectos de I+D+I del Ministerio de Economía y Competitividad.*

**MAT2016-80266- titled: " NANOSONDAS HIBRIDAS INTELIGENTES PARA BIOIMAGEN, MONOTORIZACION, LOCALIZACION Y TERAPIA CELULAR COMBINADA"**

[ 31/12/2016 – 29/12/2019 ]

· Research project MAT2016-80266- titled: " NANOSONDAS HIBRIDAS INTELIGENTES PARA BIOIMAGEN, MONOTORIZACION, LOCALIZACION Y TERAPIA CELULAR COMBINADA" granted by the Secretaria de Estado de Investigación, Desarrollo e Innovación, de ayudas correspondientes a la convocatoria 2016 del Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad, modalidad 1, "Retos Investigación": Proyectos de I+D+I del Ministerio de Economía y Competitividad.

Memberships

Other Relevant Information

### **Honours & Awards**

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**First National Award for best graduation medical student granted by Fundación San Nicolás, Real Academia Nacional de Medicina**

Real Academia Nacional de Medicina [ 13/01/2004 ]

◦ First National Award for best graduation medical student granted by Fundación San Nicolás, Real Academia Nacional de Medicina (13th January, 2004).

**First Award for best Oral Presentation-Poster Forum.**

Sociedade Galega de CardioloXía [ 25/06/2005 ]

◦ First Award for best Oral Presentation-Poster Forum. Reunión Científica Anual de la Sociedade Galega de CardioloXía 2005.

**First Award for surgical resident with best scientific publications**

Comisión de Investigación del Complejo Hospitalario Universitario A Coruña [ 11/06/2009 ]

◦ First Award for surgical resident with best scientific publications granted by Comisión de Investigación del Complejo Hospitalario Universitario A Coruña durante las XI Jornadas para la Promoción de la Investigación Biomédica (June, 2009).

**International Scientific Award "Paper of the Year 2009"**

The Lancet [ 01/02/2009 ]

◦ International Scientific Award "Paper of the Year 2009" granted by The Lancet journal for the best medical article in 2009. "Prediction of mortality and major cardiac events by exercise echocardiography in patients with normal exercise electrocardiographic testing" published in J Am Coll Cardiol 2008;53:1981-90.



**First Award for the surgical article with highest impact factor**

Complejo Hospitalario Universitario de A Coruña and the INIBIC [ 17/06/2011 ]

◦ First Award for the surgical article with highest impact factor, granted by the Complejo Hospitalario

Universitario de A Coruña and the INIBIC, "XIII JORNADAS PARA LA PROMOCION DE LA INVESTIGACION"

June 17 , 2011.

**Second Award for the surgical article with highest impact factor**

Complejo Hospitalario Universitario de A Coruña and the INIBIC [ 14/06/2012 ]

◦ Second Award for the surgical article with highest impact factor, granted by the Complejo Hospitalario

Universitario de A Coruña and the INIBIC, "XIV JORNADAS PARA LA PROMOCION DE LA INVESTIGACION"

June 14 , 2012.

**Award for the best Ph.D. thesis**

University of A Coruña [ 29/10/2013 ]

◦ Award for the best Ph.D. thesis granted by the University of A Coruña, October 29 , 2013.