

Doctor's Brief Curriculum Vitae

Name and Title:

Konstantinos Spargias

CARDIOLOGIST CLINICAL

Director, Transcatheter Heart Valves Department

HYGEIA HOSPITAL

Specialty:

CARDIOLOGIST CLINICAL

Education:

- Medical degree (1990), Aristotle University of Thessaloniki
- EU Medical Specialty, Cardiology (1998)
- 1999-2001: Interventional Cardiology Clinical Fellowship, Division of Cardiology, Vancouver General Hospital & Health Sciences Center and St Paul's Hospital, in affiliation with the University of British Columbia, Vancouver, BC, Canada
- Doctor of Medicine (1999), University of Leeds, UK
- 1995-1999: Senior Registrar (AH) in Cardiology, Yorkshire Heart Centre, Leeds, West Yorkshire, UK

Doctoral thesis:

- Prognostic variables in survivors of acute myocardial infarction with clinical evidence of heart failure. (1999) University of Leeds, UK

Fellowship in Societies, Membership in Journal Editorial Committees

- Hellenic Cardiac Society
- European Society of Cardiology

Editorial Boards:

- Hellenic Journal of Cardiology. Guest Editor
- Continuing Cardiology Education. Guest Editor

AD-HOC REVIEWER for peer-reviewed international journals:

- AJC, JACC, Circulation, JOIC, JIC, IJC, Cardiology



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Professional Experience:

- 2001-2010: Interventional Cardiologist, Dept of Cardiology A, Onassis Cardiac Surgery Centre. Chief of Percutaneous Valve Program since December 2009.
- 1999-2001: Interventional Cardiology Clinical Fellowship, Division of Cardiology, Vancouver General Hospital & Health Sciences Center and St Paul's Hospital, in affiliation with the University of British Columbia, Vancouver, BC, Canada
- 1995-1999: Senior Registrar (AH) in Cardiology, Yorkshire Heart Centre, Leeds, West Yorkshire, UK

Education Experience:

- Medical student and Cardiology fellows training at OCSC (2001-2010)

Clinical & Research Interest:

Clinical Interest:

- Coronary Artery Disease, interventional therapy
- Structural Heart Disease, interventional therapy
- Transcatheter Heart Valve therapies

Research Interest:

- Transcatheter Heart Valve therapies

Books

- KS Spargias, AS Hall. Angiotensin-converting enzyme inhibition therapy after acute myocardial infarction. 100 years of the Renin-Angiotensin System. Ed. Hughes associates, 1998, Oxford, UK
- KS Spargias, IM Penn. Cases contribution in: Cases Studies in Interventional Cardiology. MT Rothman. Ed. M Dunitz Ltd, 2003, London, UK
- K Spargias. Author in: Percutaneous Treatment of Left Side Cardiac Valves. C Tamburino and GP Ussia, Ed. Springer-Verlag, 2010, Milan, Italy
- Spargias K. "Balloon Aortic Valvuloplasty" in Textbook: Cardiac Valvular Medicine. Rajaman-nan NM (Ed.). 2013, pp 83-91. Springer, NY, USA
- M Chrissoheris, K Spargias. Edge-to-edge repair of severe mitral regurgitation (MR) using multiple clips in a patient with a very broad MR jet. 2013, p104 in Mitraclip Case Collection. Abbott Vascular, Belgium

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Recent Publications

- Haberman D, Taramasso M, Czarnecki A, Kerner A, **Chrissoheris M, Spargias K**, Poles L, Agmon Y, Scianna S, Beeri R, Lotan C, Maisano F, Shuvy M. Salvage MitraClip in severe secondary mitral regurgitation complicating acute myocardial infarction: data from a multicentre international study. **Eur J Heart Fail**. 2019 Sep;21(9):1161-1164. doi: 10.1002/ehf.1565. Epub 2019 Aug 5.
- Simonato M, Webb J, Bleiziffer S, Abdel-Wahab M, Wood D, Seiffert M, Schäfer U, Wöhrle J, Jochheim D, Woitek F, Latib A, Barbanti M, **Spargias K**, Kodali S, Jones T, Tchetché D, Coutinho R, Napodano M, Garcia S, Veulemans V, Siqueira D, Windecker S, Cerillo A, Kempfert J, Agrifoglio M, Bonaros N, Schoels W, Baumbach H, Schofer J, Gaia DF, Dvir D. Current Generation Balloon-Expandable Transcatheter Valve Positioning Strategies During Aortic Valve-in-Valve Procedures and Clinical Outcomes. **JACC Cardiovasc Interv**. 2019 Aug 26;12(16):1606-1617. doi: 10.1016/j.jcin.2019.05.057.
- Asmarats L, Perlman G, Praz F, Hensey M, **Chrissoheris MP**, Philippon F, Ofek H, Ye J, Puri R, Pibarot P, Attinger A, Moss R, Bédard E, Moschovitis A, Reineke D, Lauck S, Blanke P, Leipsic J, **Spargias K**, Windecker S, Webb JG, Rodés-Cabau J. Long-Term Outcomes of the FORMA Transcatheter Tricuspid Valve Repair System for the Treatment of Severe Tricuspid Regurgitation: Insights From the First-in-Human Experience. **JACC Cardiovasc Interv**. 2019 Aug 12;12(15):1438-1447. doi: 10.1016/j.jcin.2019.04.038.
- Lim DS, Kar S, **Spargias K**, Kipperman RM, O'Neill WW, Ng MKC, Fam NP, Walters DL, Webb JG, Smith RL, Rinaldi MJ, Latib A, Cohen GN, Schäfer U, Marcoff L, Vandrangi P, Verta P, Feldman TE. Transcatheter Valve Repair for Patients With Mitral Regurgitation: 30-Day Results of the CLASP Study. **JACC Cardiovasc Interv**. 2019 Jul 22;12(14):1369-1378. doi: 10.1016/j.jcin.2019.04.034. Epub 2019 Jun 26.
- Duncan A, Moat N, Simonato M, de Weger A, Kempfert J, Eggebrecht H, Walton A, Hellig F, Kornowski R, **Spargias K**, Mendiz O, Makkar R, Guerrero M, Rihal C, George I, Don C, Iadanza A, Bapat V, Welsh R, Wijeyesundera HC, Wood D, Sathananthan J, Danenberg H, Maisano F, Garcia S, Gafoor S, Nombela-Franco L, Cobiella J, Dvir D. Outcomes Following Transcatheter Aortic Valve Replacement for Degenerative Stentless Versus Stented Bioprostheses. **JACC Cardiovasc Interv**. 2019 Jul 8;12(13):1256-1263. doi: 10.1016/j.jcin.2019.02.036. Epub 2019 Jun 12.
- **Chrissoheris MP, Halapas A, Papadopoulos K, Kourkouveli P, Nikolaou I, Bouboulis N, Pattakos G, Spargias K**. Transcatheter mitral valve-in-ring implantation by the transfemoral approach: First experience in Greece. **Hellenic J Cardiol**. 2019 Jun 5. pii: S1109-9666(19)30053-3. doi: 10.1016/j.hjc.2019.05.003. [Epub ahead of print]

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- **Papadopoulos K, Chrissoheris M, Nikolaou I, Spargias K.** Edge-to-edge mitral valve repair for acute mitral valve regurgitation due to papillary muscle rupture: a case report. **Eur Heart J Case Rep.** 2019 Feb 6;3(1):ytz001. doi: 10.1093/ehjcr/ytz001. eCollection 2019 Mar.
- **Pattakos G, Chrissoheris M, Halapas A, Papadopoulos K, Kourkovei P, Bouboulis N, Pattakos S, Spargias K.** Transcatheter Aortic Valve Replacement in a Patient With Dextrocardia and Situs Inversus Totalis. **Ann Thorac Surg.** 2019 Jan;107(1):e33-e35. doi: 10.1016/j.athoracsur.2018.05.041. Epub 2018 Aug 16.
- McElhinney DB, Aboulhosn JA, Dvir D, Whisenant B, Zhang Y, Eicken A, Ribichini F, **Tzifa A**, Hainstock MR, Martin MH, Kornowski R, Schubert S, Latib A, Thomson JDR, Torres AJ, Meadows J, Delaney JW, Guerrero ME, Salizzoni S, El-Said H, Finkelstein A, George I, Gewillig M, Alvarez-Fuente M, Lamers L, Cheema AN, Kreutzer JN, Rudolph T, Hildick-Smith D, Cabalka AK; VIVID Registry. Mid-Term Valve-Related Outcomes After Transcatheter Tricuspid Valve-in-Valve or Valve-in-Ring Replacement. **J Am Coll Cardiol.** 2019 Jan 22;73(2):148-157. doi: 10.1016/j.jacc.2018.10.051.
- **Chrissoheris MP, Halapas A, Papadopoulos K, Spargias K.** Transcatheter MitraClip implantation facilitated by transthoracic echocardiography. **J Echocardiogr.** 2018 Jun;16(2):91-92. doi: 10.1007/s12574-017-0358-0. Epub 2017 Nov 27.
- Pibarot P, Simonato M, Barbanti M, Linke A, Kornowski R, Rudolph T, Spence M, Moat N, Aldea G, Mennuni M, Iadanza A, Amrane H, Gaia D, Kim WK, Napodano M, Baumbach H, Finkelstein A, Kobayashi J, Brecker S, Don C, Cerillo A, Unbehaun A, Attias D, Nejjari M, Jones N, Fiorina C, Tchetché D, Philippart R, **Spargias K**, Hernandez JM, Latib A, Dvir D. Impact of Pre-Existing Prosthesis-Patient Mismatch on Survival Following Aortic Valve-in-Valve Procedures. **JACC Cardiovasc Interv.** 2018 Jan 22;11(2):133-141. doi: 10.1016/j.jcin.2017.08.039.
- Bapat V, Rajagopal V, Meduri C, Farivar RS, Walton A, Duffy SJ, Gooley R, Almeida A, Reardon MJ, Kleiman NS, **Spargias K, Pattakos S**, Ng MK, Wilson M, Adams DH, Leon M, Mack MJ, Chenoweth S, Sorajja P; Intrepid Global Pilot Study Investigators. Early Experience With New Transcatheter Mitral Valve Replacement. **J Am Coll Cardiol.** 2018 Jan 2;71(1):12-21. doi: 10.1016/j.jacc.2017.10.061. Epub 2017 Nov 16.
- Taggart NW, Cabalka AK, Eicken A, Aboulhosn JA, Thomson JDR, Whisenant B, Bocks ML, Schubert S, Jones TK, Asnes JD, Fagan TE, Meadows J, Hoyer M, Martin MH, Ing FF, Turner DR, Latib A, **Tzifa A**, Windecker S, Goldstein BH, Delaney JW, Kuo JA, Foerster S, Gillespie M, Butera G, Shahanavaz S, Horlick E, Boudjemline Y, Dvir D, McElhinney DB; VIVID Registry. Outcomes of Transcatheter Tricuspid Valve-in-Valve Implantation in Patients With Ebstein Anomaly. **Am J Cardiol.** 2018 Jan 15;121(2):262-268. doi: 10.1016/j.amjcard.2017.10.017. Epub 2017 Oct 19.

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- Praz F, **Spargias K, Chrissoheris M**, et al. Compassionate use of the PASCAL transcatheter mitral valve repair system for patients with severe mitral regurgitation: a multicentre, prospective, observational, first-in-man study. **Lancet**. 2017;390:773-780
- **Kourkovele P, Spargias K**, Hahalis G. TAVR in 2017-What we know? What to expect? **J Geriatr Cardiol**. 2018 Jan;15(1):55-60. doi: 10.11909/j.issn.1671-5411.2018.01.005.
- FORWARD Study Investigators (**Spargias K**) Clinical Outcomes With a Repositionable Self-Expanding Transcatheter Aortic Valve Prosthesis: The International FORWARD Study. **J Am Coll Cardiol**. 2017;70(7):845-853.
- **K Spargias**, A Manginas, G Pavlides, M Khoury, G Stavridis, P Rellia, A Smirli, A Thanopoulos, M Balanika, S Polymeros, S Thomopoulou, G Athanassopoulos, G Karatasakis, R Mastorakou, S Lacoumenta, A Michalis, P Alivizatos, D Cokkinos. Transcatheter Aortic Valve Implantation: First Greek Experience. **Hellenic J Cardiol** 2008;49:397-407.
- **Spargias K, Chrissoheris M, Halapas A**, Nikolaou J, Tsolakis A, Bouboulis N, Pattakos S. Percutaneous Mitral Valve Repair Using the Edge-to-Edge Technique: First Greek Experience. **Hellenic J Cardiol** 2012;53:343-51.
- **K Spargias**, K Toutouzas, **M Chrissoheris**, Synetos A, **Halapas A**, Paizis I, Latsios G, Stahogianis K, Papametzelopoulou S, Zanos S, Pavlides G, Zacharoulis A, Antoniadis A, Stefanadis C. The ATHENS TAVI Registry of newer generation transfemoral aortic valves. 30 day outcomes. **Hellenic J Cardiol** 2013;54:18-24.
- **Chrissoheris M**, Ziakas A, **Halapas A**, Hadjimiltiades S, Styliadis I, Karvounis C, Nikolaou I, **Spargias K**. Acute Invasive Hemodynamic Effects of Transcatheter Aortic Valve Implantation. **J Heart Valve Disease** 2016, Mar;25(2):162-172.
- **K Spargias, A Halapas, M Chrissoheris, N Bouboulis, S Skardoutsos, J Nikolaou, A Tsolakis, C Mourmouris, S Pattakos**. Transaortic Aortic Valve Replacement Using The Edwards Sapien-XT Valve And The Medtronic Corevalve. Initial Experience. **Hellenic J Cardiol** 2014;55:288-93.
- **M Chrissoheris**, A Tsangaris, **A Halapas, K Spargias**. Transcatheter Aortic Valve Replacement in Patients with Prior Chest Irradiation and Severe Aortic Stenosis. **J Radiol Oncology** 2016, In press.
- **Spargias K**, Dvir D. TAVR In Failed Bioprostheses. The Valve-In-Valve Approach. **Cardiac Interv Today** 2013; 45-8.
- **Chrissoheris M, Halapas A, Nikolaou I, Boumboulis N, Pattakos S, Spargias K**. The Abbott Vascular MitraClip: Patient Selection and How to Obtain the Best Outcomes. **Hellenic J Cardiol**. 2015;56 Suppl A:31-8.

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- Tzikas A, **Chrissoheris M, Halapas A, Spargias K**. Portico™ Transcatheter Heart Valve. **Hellenic J Cardiol**. 2015;56 Suppl A:15-9.
- **Halapas A, Chrissoheris M, Bouboulis N, Skardoutsos S, Nikolaou I, Pattakos S, Spargias K**. The SAPIEN-XT and SAPIEN-3 Valves: How to Implant and Obtain the Best Outcomes. **Hellenic J Cardiol**. 2015;56 Suppl A:9-14.
- **Spargias K**. The era of transcatheter valve therapy. Where are we? **Hellenic J Cardiol**. 2015;56 Suppl A:1-3.
- Wendler O, Walther T, Schroefel H, Lange R, Treede H, Fusari M, Rubino P, Thomas M; SOURCE investigators (**K Spargias**). Transapical aortic valve implantation: mid-term outcome from the SOURCE registry. **Eur J Cardiothorac Surg** 2013;43:505-11.
- **Spargias K, Tzifa A, Chrissoheris M, Boumpoulis N, Nikolaou I, Pattakos E**. Transapical closure of mitral prosthetic paravalvular leak. **Hellenic J Cardiol** 2013;54:397-400.
- **A Halapas, M Chrissoheris, I Nikolaou, N Bouboulis, K Spargias**. Challenging Transfemoral Valve-in-Valve Implantation in a Degenerated Stentless Bioprosthetic Aortic Valve. **J Invasive Cardiol** 2015;56:347-50
- **Papavasileiou LP, Halapas A, Chrissoheris M, Bellos K, Bouboulis N, Pattakos S, Spargias K, Apostolopoulos T**. Sudden Death After transcatheter Aortic Valve Implantation. Are Bradyarrhythmias Always The Cause? **JAFIB**. 2015;8:39-41.
- **K Spargias**, G Dangas. Percutaneous Treatment of Left Side Cardiac Valves. C Tamburino and GP Ussia, Ed. **Springer-Verlag**, 2010, Milan, Italy.
- **Chrissoheris M, Spargias K**. “Balloon Aortic Valvuloplasty” in Textbook: Cardiac Valvular Medicine. Rajamannan NM (Ed.). **Springer-Verlag**, 2013, London, UK.
- **Spargias K**. Percutaneous aortic valve implantation: present and future. Controlled clinical application before the results of randomized trials. **Hellenic J Cardiol** 2009;50:237-44.
- **K Spargias**, M Gyöngyösi, R Hemetsberger, A Posa, N Pavo, IJ Pavo, K Huber, Z Petrasi, O Petnehazy, R Pogge von Strandmann, SR Stock, D Glogar, G Maurer, NM Rajamannan. Valvuloplasty with a Paclitaxel-Eluting Balloon Prevents Restenosis in an Experimental Model of Aortic Stenosis. **J Heart Valve Disease** 2014 Jul;23(4):484-91.
- **Spargias K**, Polymeros S, Dimopoulos A, Manginas A, Pavlides G, Balanika M, Smirli A, Stavridis G, Dangas G, Cokkinos DV. The predictive value and evolution of N-Terminal Pro-B-Type Natriuretic Peptide levels following Transcatheter Aortic Valve Implantation. **J Interv Cardiol** 2011;24:462-9.
- Balanika M, Smirli A, Samanidis G, **Spargias K**, Stavridis G, Karavolias G, Khoury M, Voudris V, Lacoumenta S. Anesthetic Management of Patients Undergoing

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- Transcatheter Aortic Valve Implantation. **J Cardiothorac Vasc Anesth** 2013 Dec 5. [Epub ahead of print]
- **Spargias K**, Alexopoulos E, Thomopoulou S, Dimopoulos A, Manginas A, Pavlides G, Voudris V, Karatassakis G, Athanassopoulos G, Cokkinos DV. Effect of balloon valvuloplasty in patients with severe aortic stenosis on levels of N-terminal pro-B-type natriuretic peptide. **Am J Cardiol** 2009;104:846-849.
 - Dvir D, Assali A, **Spargias K**, Kornowski R. Percutaneous aortic valve implantation in patients with coronary artery disease: review of therapeutic strategies. **J Invasive Cardiol** 2009;21:E237-41.
 - **Chrissoheris M**, Ferti A, **Spargias K**. Early prosthetic valve endocarditis complicating repeated attempts at CoreValve implantation. **J Invasive Cardiol** 2011;23:E291-2.
 - **Spargias K**, Milewski K, Debinski M, Buszman PP, Cokkinos DV, Pogge R, Buszman P. Drug delivery at the aortic valve tissues of healthy domestic pigs with a paclitaxel eluting valvuloplasty balloon. **J Interv Cardiol** 2009;22:291-8.
 - Wilczek K, Chodór P, Przybylski R, Krasoń M, Niklewski T, Nadziakiewicz P, Głowacki J, Kusa J, Goddyn D, **Spargias K**, Zembala M. First in Poland transcatheter, transfemoral aortic valve implantation in elderly symptomatic high-risk patient with aortic stenosis-novel Zabrze experience. **Kardiologia Pol** 2009;67:219-23.
 - Kolettis TN, **Spargias K**, Stavridis GT. Combined transapical aortic valve implantation with coronary artery bypass grafting in a young patient with porcelain aorta. **Hellenic J Cardiol** 2009;50:79-82.
 - Trendafilova D, Jorgova J, Simeonov P. Acknowledgement to Dr **K Spargias**. First Transfemoral Aortic Valve Implantation In Bulgaria. **The Internet Journal of Cardiology** 2010;9:2.

In Summary:

Konstantinos Spargias, MD, PhD is a UK and Canada trained Greek Interventional Cardiologist specialized in Valvular/Structural transcatheter interventions.

He graduated the Aristotle University Medical School at his home city Thessaloniki (1991), received his Cardiology training (1994-1999) within the Leeds Teaching Hospitals NHS Trust, UK, completed and granted his PhD (1999) at the University of Leeds, UK and received his clinical Interventional Cardiology Fellowship (1999-2001) at Vancouver, BC, Canada.

He was trained and mentored by pioneers in Interventional Cardiology such as Drs J Webb, I Pen and D Ricci in Vancouver. He returned to Greece after his appointment as Interventional Cardiologist at Onassis Heart Center (2001-2010) where after extensive coronary work he became an early adopter of the emerging Valvular Interventions. He

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performed the first TAVI procedures in Greece in 2007 and he became the Head of the Transcatheter Valve Program at Onassis Heart Center.

He moved to HYGEIA Hospital in 2010 where he organized the first of its kind Department of Transcatheter Heart Valves (THV) that he directs to date. He shared the same vision with and had the unrestricted support of the Hospital Administration and this made it possible to be among the first in the world and the first in Greece to adopt and introduce all novel transcatheter therapies to the benefit of the patients.

The Hygeia THV Department became the leader in Valvular/Structural therapies in Greece and is a well-recognized and highly esteemed Center of Excellence internationally. THV today is a cohesively collaborative group of 10 Cardiologists, Cardiac Surgeons, Imaging Cardiologists and Heart Failure specialists.

The THV Department of Hygeia was the first to perform the following therapies in Greece:

- M-TEER with MitraClip (Abbott) in 2011
- Valve in Valve Mitral in 2012
- Valve In Valve Tricuspid in 2013
- Transapical and transfemoral Mitral PVL closures in 2013 and 2014
- Valve in MAC Mitral in 2014
- Transcatheter Mitral Valve replacement with Intrepid (Medtronic) in 2014
- Valve in Ring Mitral 2015
- World's 2nd case of M-TEER with PASCAL (Edwards) in 2016
- T-TEER with PASCAL (Edwards) in 2016
- Transcatheter Tricuspid valve repair with Forma (Edwards) in 2016
- Intracardiac ECHO (ICE) in 2019
- First in Europe SAPIEN RESILIA valve (Edwards) implantation in 2024
- Transcatheter Tricuspid valve replacement (EVOQUE, Edwards) in 2024
- First BASILICA procedure in 2025
- Transcatheter Mitral Valve replacement with SAPIEN M3 valve (Edwards) in 2025

He has participated in most device trials that have shaped the Valvular/Structural field and has been invited Faculty in all major Interventional Cardiology Conferences (such as ESC, ACC, TCT, EuroPCR, TVT, LondonValves, JIM, Riyadh Valves).

He organized and established the first Greek Conference on Transcatheter Heart Valves in 2012 that is still considered as the Premier meeting in the field. He hosts a virtual monthly TAVI Rounds meeting since 2020 that acts as a beacon to his colleagues.

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The THV Department has been appointed as a training center for TAVI and TEER procedures by device companies such as Edwards, Medtronic and Abbott. He has been proctoring extensively for the above procedures (TAVI, M and T-TEER, Evoque) training colleagues in all over Europe, USA, Japan, EMEA (KSA, UAE, Kuwait, Lebanon, Israel, Egypt).

His personal experience is ~3000 TAVI and 500 Mitral and Tricuspid procedures (Clips and valves).

He is a prolific author with an h-index of 35, i-10-index of 67, 104 PubMed indexed publications, including in NEJM, Lancet, JACC, Circulation and EHJ and ~ 5000 citations.

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