

Curriculum vitae

Prof. Dr. med. Hans-Joachim Schäfers

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Education

1964-76 Primary and Secondary School, Lünen, Germany
1976-82 Medical School (Universität Essen), Essen, Germany
1982 Ärztliche Prüfung, Universität Essen, Germany
1983 Doctoral thesis, Universität Essen, Germany

Postdoctoral Training

1982 –83 Resident, Dept. of Thoracic and Cardiovascular Surgery, University Hospital
Essen, Essen, Germany
1984-89 Resident, Surgical Center, Hannover Medical School
Hannover, Germany
1987-88 Fellow, Dept. of Thoracic Surgery, University of Toronto
Toronto, Canada
1992 Ph. D. thesis („Habilitation“): Experimental and clinical concepts
to improve bronchial circulation in lung transplantation

Academic Appointments

1990-95 Staff surgeon, Dept. of Thoracic and Cardiovascular Surgery,
Hannover Medical School, Hannover, Germany
1995-96 Interim director, Dept. of Thoracic and Cardiovascular Surgery, University
Hospitals of Saarland, Homburg, Germany
1996-present Director, Dept. of Thoracic and Cardiovascular Surgery
University Hospitals of Saarland, Homburg, Germany
1996-present Professor of Surgery, University of Saarland

2010-present Visiting professor, University of Tel Aviv, Tel Aviv, Israel
2012-present Visiting professor, University of Malaga, Malaga, Spain

OTHER PROFESSIONAL POSITIONS

1983-84 Captain, Army Medical Corps, Dept. of Surgery, Military Hospital Detmold, Germany

Committee Assignments

1998-2007 Member, Council of Clinical Medicine, University of Saarland
2002-2006 Member, Committee for Improvement of Teaching,
 Faculty of Medicine, University of Saarland

Membership in Academic Societies

American Association for Thoracic Surgery
Society of Thoracic Surgeons
European Association for Cardio-Thoracic Surgery
German Society for Thoracic and Cardiovascular Surgery
German Society of Thoracic Surgery
German Society for Cardiology
German Society for Surgery
German Transplant Society

Honorary Memberships

Rumanian Society of Cardiology
Mexican Society of Cardiac Surgery
Indian Association for Cardiothoracic Surgery

Awards

1991 Research Award for Cardiovascular Surgery, University of Giessen, Giessen, Germany
1993 Presidential Award of the International College of Chest Physicians (Clinical contributions to lung transplantation)

Book Titles

1. **Hand-Joachim Schafers: Current Treatment of aortic regurgitation. 2013**
2. **Hans-Joachim Schafers (ed): Klinische Grundlagen der Herz-und Thoraxchirurgie. 2011**
3. **Jurgen Haase, Hans-Joachim Schafers, Horst Sievert, Rom Waksman (eds): Cardiovascular Interventions in Clinical Practice. 2010**
4. **Hans-Joachim Schafers: Current Treatment of Mitral Regurgitation. 2010**
5. **Aortic Valve Repair. A video teaching series**

Publications:

1. [Long-term Results of Differentiated Anatomic Reconstruction of Bicuspid Aortic Valves](#)
Schneider, U, Hofmann, C, Schöpe, J, Niewald, AK, Giebels, C, Karliova, I, Schäfers, HJ
JAMA Cardiol. 2020 Sep 16;5(12):1-8. doi: 10.1001/jamacardio.2020.3749. Online ahead of print.
PMID: 32936224
2. [Mid-term durability of polytetrafluoroethylene patches in unicuspid aortic valve repair.](#)
Karliova I, Ehrlich T, Matsushima S, Ewen S, Schäfers HJ.
Interact Cardiovasc Thorac Surg. 2020 Aug 31:ivaa136. doi: 10.1093/icvts/ivaa136. Online ahead of print.
PMID: 32865192
3. [Simplified determination of commissural orientation in bicuspid aortic valves.](#)
Froede L, Schäfers S, Wagenpfeil G, Raddatz A, Hoffmann K, Schäfers HJ.
Eur J Cardiothorac Surg. 2020 Aug 30:ezaa230. doi: 10.1093/ejcts/ezaa230. Online ahead of print.
PMID: 32864689
4. [Commentary: Thirty years of valve preserving surgery-are all questions answered?](#)
Schäfers HJ.
J Thorac Cardiovasc Surg. 2020 Aug 5:S0022-5223(20)32279-0. doi: 10.1016/j.jtcvs.2020.08.004. Online ahead of print.
PMID: 32859416 No abstract available.
5. [The 'wait for symptoms' strategy in asymptomatic severe aortic stenosis.](#)
San Román JA, Vilacosta I, Antunes MJ, Iung B, Lopez J, Schäfers HJ.
Heart. 2020 Aug 3:heartjnl-2020-317323. doi: 10.1136/heartjnl-2020-317323. Online ahead of print.
PMID: 32747494 Review.

6. [Graft Dilatation May Cause Secondary Regurgitation In Aortic Valve Sparing Operations.](#)
Attia A, Giebels C, Karliova I, Hess A, Schäfers HJ.
Ann Thorac Surg. 2020 Jul 15:S0003-4975(20)31140-1. doi:
10.1016/j.athoracsur.2020.05.095. Online ahead of print.
PMID: 32681838
7. [Surgical management of the aorta in BAV patients.](#)
Etz CD, Haunschild J, Girdauskas E, Della Corte A, Fedak PWM, Schäfers HJ,
Sundt TM, Borger MA.
Prog Cardiovasc Dis. 2020 Jul 5:S0033-0620(20)30136-5. doi:
10.1016/j.pcad.2020.06.013. Online ahead of print.
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8. [Speaking a common language: Introduction to a standard terminology for the bicuspid aortic valve and its aortopathy.](#)
Michelena HI, Della Corte A, Evangelista A, Maleszewski JJ, Enriquez-Sarano M,
Bax JJ, Otto CM, Schäfers HJ.
Prog Cardiovasc Dis. 2020 Jun 26:S0033-0620(20)30127-4. doi:
10.1016/j.pcad.2020.06.006. Online ahead of print.
PMID: 32599027 Review.
9. [State-of-the art bicuspid aortic valve repair in 2020.](#)
Ehrlich T, de Kerchove L, Vojacek J, Boodhwani M, El-Hamamsy I, De Paulis R,
Lansac E, Bavaria JE, El Khoury G, Schäfers HJ.
Prog Cardiovasc Dis. 2020 May 5:S0033-0620(20)30082-7. doi:
10.1016/j.pcad.2020.04.010. Online ahead of print.
PMID: 32380025 Review.
10. [Surgical Thoracoabdominal Aortic Aneurysm Repair in a Non-High-Volume Institution.](#)
Kunihara T, Vukic C, Sata F, Schäfers HJ.
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11. [Prediction of prognosis in patients with tetralogy of Fallot based on deep learning imaging analysis.](#)
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Mar 11.
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12. [Bleeding complications after cardiac surgery, before anticoagulation start and then with argatroban or heparin in the early postoperative setting.](#)
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J Cardiothorac Surg. 2020 Jan 28;15(1):27. doi: 10.1186/s13019-020-1059-8.

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13. [Reexamining remodelling in children.](#)
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Eur J Cardiothorac Surg. 2020 Jun 1;57(6):1091-1097. doi: 10.1093/ejcts/ezz380.
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 14. [Giant unruptured sinus of Valsalva aneurysm successfully managed with valve-sparing procedure - a case report.](#)
Pólos M, Şulea CM, Benke K, Ágg B, Kovács A, Hartyánszky I, Merkely B, Schäfers HJ, Szabolcs Z.
J Cardiothorac Surg. 2020 Jan 8;15(1):6. doi: 10.1186/s13019-020-1061-1.
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 15. [Commentary: Just because we can, should we do it?](#)
Schäfers HJ.
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 16. [Bicuspidization and Annuloplasty Provide a Functioning Configuration to the Unicuspid Aortic Valve.](#)
Igarashi T, Matsushima S, Shimizu A, Ehrlich T, Karliova I, Schäfers HJ.
Ann Thorac Surg. 2020 Jul;110(1):111-119. doi: 10.1016/j.athoracsur.2019.10.023.
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 17. [Concepts of Bicuspid Aortic Valve Repair: A Review.](#)
Ram D, Bouhout I, Karliova I, Schneider U, El-Hamamsy I, Schäfers HJ.
Ann Thorac Surg. 2020 Apr;109(4):999-1006. doi: 10.1016/j.athoracsur.2019.09.019. Epub 2019 Oct 11.
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 18. [The optimal treatment strategy for secondary mitral regurgitation: a subject of ongoing debate.](#)
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 19. [Results of Pericardial Patches in Tricuspid and Bicuspid Aortic Cusp Repair.](#)
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 20. [Cusp Nadir Relocation by Root Remodeling in Unicuspid Aortic Valve Repair.](#)
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26. [Aortic Valve Surgery in Nonelderly Patients: Insights Gained From AVIATOR.](#)
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Semin Thorac Cardiovasc Surg. 2019 Winter;31(4):643-649. doi: 10.1053/j.semtcvs.2019.05.033. Epub 2019 Jun 20.
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27. [Association between urinary dickkopf-3, acute kidney injury, and subsequent loss of kidney function in patients undergoing cardiac surgery: an observational cohort study.](#)
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28. [Mitral Valve Surgery in a Patient 50 Years after a Pneumonectomy.](#)
von Oehsen HHC, Högerle BA, Giebels C, Schäfers HJ.
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- PMID: 31139555 **Free PMC article**.
29. [\[Epidemiology, Clinical Presentation, Diagnosis and Treatment of Infections Caused by Mycobacterium chimaera\]](#).
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30. [The 10 Commandments for Aortic Valve Repair](#).
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32. [Papillary Fibroelastoma in the Left Ventricular Outflow Tract: An Unusual Location](#).
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33. [\(Almost\) All Nonstenotic Bicuspid Aortic Valves Should Be Preserved or Repaired](#).
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34. [Commentary: Surgical repair of thoracoabdominal aortic aneurysm-Still room for improvement](#).
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35. [Improvement in the Assessment of Aortic Valve and Aortic Aneurysm Repair by 3-Dimensional Echocardiography](#).
Hagendorff A, Evangelista A, Fehske W, Schäfers HJ.
JACC Cardiovasc Imaging. 2019 Nov;12(11 Pt 1):2225-2244. doi:
10.1016/j.jcmg.2018.06.032. Epub 2019 Mar 13.
PMID: 30878428 Review.
36. [Hypertrophic Obstructive Cardiomyopathy](#).
Batzner A, Schäfers HJ, Borisov KV, Seggewiß H.
Dtsch Arztebl Int. 2019 Jan 25;116(4):47-53. doi: 10.3238/arztebl.2019.0047.
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37. [Variability of repairable bicuspid aortic valve phenotypes: towards an anatomical and repair-oriented classification.](#)
de Kerchove L, Mastrobuoni S, Froede L, Tamer S, Boodhwani M, van Dyck M, El Khoury G, Schäfers HJ.
Eur J Cardiothorac Surg. 2019 Feb 20;ezz033. doi: 10.1093/ejcts/ezz033. Online ahead of print.
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38. [Dobutamine Versus Vasopressin After Mesenteric Ischemia.](#)
Bomberg H, Bierbach B, Flache S, Novák M, Schäfers HJ, Menger MD.
J Surg Res. 2019 Mar;235:410-423. doi: 10.1016/j.jss.2018.10.028. Epub 2018 Nov 16.
PMID: 30691823
39. [Suture Annuloplasty and Simplified Root Wrapping in the Full Root Ross Operation.](#)
Matsushima S, Abeln KB, Karliova I, Zacek P, Schäfers HJ.
Ann Thorac Surg. 2019 May;107(5):e361-e363. doi: 10.1016/j.athoracsur.2018.11.048. Epub 2018 Dec 21.
PMID: 30582923
40. [AVIATOR: An open international registry to evaluate medical and surgical outcomes of aortic valve insufficiency and ascending aorta aneurysm.](#)
de Heer F, Kluin J, Elkhoury G, Jondeau G, Enriquez-Sarano M, Schäfers HJ, Takkenberg JJM, Lansac E; Aortic Valve Repair Research Network Investigators.
J Thorac Cardiovasc Surg. 2019 Jun;157(6):2202-2211.e7. doi: 10.1016/j.jtcvs.2018.10.076. Epub 2018 Oct 26.
PMID: 30553597 Clinical Trial.
41. [In Vivo Biocompatibility of a Novel Expanded Polytetrafluoroethylene Suture for Annuloplasty.](#)
Dudenhöffer DW, Laschke MW, Giebels C, Karliova I, Schneider U, Menger MD, Schäfers HJ.
Thorac Cardiovasc Surg. 2018 Nov 20. doi: 10.1055/s-0038-1675595. Online ahead of print.
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42. [The Bicuspid Aortic Valve Condition: The Critical Role of Echocardiography and the Case for a Standard Nomenclature Consensus.](#)
Michelena HI, Chandrasekaran K, Topilsky Y, Messika-Zeitoun D, Della Corte A, Evangelista A, Schäfers HJ, Enriquez-Sarano M; BAVCon.
Prog Cardiovasc Dis. 2018 Nov-Dec;61(5-6):404-415. doi: 10.1016/j.pcad.2018.11.003. Epub 2018 Nov 6.
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43. [Outbreak of *Burkholderia cepacia* complex infections associated with contaminated octenidine mouthwash solution, Germany, August to September 2018.](#)
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44. [Invited Commentary.](#)

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45. [Establishment of Predictive Models for Nonocclusive Mesenteric Ischemia Comparing 8,296 Control with 452 Study Patients.](#)

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46. [Chronic thromboembolic pulmonary hypertension \(CTEPH\): Updated Recommendations from the Cologne Consensus Conference 2018.](#)

Wilkens H, Konstantinides S, Lang IM, Bunck AC, Gerges M, Gerhardt F, Grgic A, Grohé C, Guth S, Held M, Hinrichs JB, Hoepfer MM, Klepetko W, Kramm T, Krüger U, Lankeit M, Meyer BC, Olsson KM, Schäfers HJ, Schmidt M, Seyfarth HJ, Ulrich S, Wiedenroth CB, Mayer E.

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Ann Thorac Surg. 2018 Dec;106(6):1890. doi: 10.1016/j.athoracsur.2018.07.007. Epub 2018 Aug 11.

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48. [Bicuspid aortic valve aortopathy: One size fits all?](#)

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49. [Improving Outcomes in Bridge-to-Transplant: Extended Extracorporeal Membrane Oxygenation Support to Obtain Optimal Donor Lungs for Marginal Recipients.](#)

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51. [Coronary Artery Bypass Grafting in Diabetic Patients: Complete Arterial versus Internal Thoracic Artery and Sequential Vein Grafts-A Propensity-Score Matched Analysis.](#)
Kunihara T, Wendler O, Heinrich K, Nomura R, Schäfers HJ.
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53. [Incidence and characteristics of chronic thromboembolic pulmonary hypertension in Germany.](#)
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55. [Echocardiographic criteria to detect unicuspid aortic valve morphology.](#)
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Ann Thorac Surg. 2018 Jun;105(6):e251-e253. doi: 10.1016/j.athoracsur.2017.11.069. Epub 2018 Jan 3.
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Ann Cardiothorac Surg. 2017 Nov;6(6):697-703. doi: 10.21037/acs.2017.11.01.
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58. [Somatic Development in Children with Congenital Heart Defects.](#)
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