

Stanford



Pieter van der Starre

Professor of Anesthesiology, Perioperative and Pain Medicine at the Stanford University Medical Center, Emeritus

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty - University Medical Line, Anesthesiology, Perioperative and Pain Medicine
- Member, Cardiovascular Institute

PROFESSIONAL EDUCATION

- MD, University of Utrecht , Medicine (1975)
- PhD, University of Maastricht , Physiology (1988)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Cardiovascular Pharmacology, Cardiovascular Physiology,
Neurophysiology and Monitoring,
Transesophageal Echocardiography

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Early Outcome in Patients Requiring Conversion to General Anesthesia During Transfemoral Transcatheter Aortic Valve Implantation.** *The American journal of cardiology*
Mayr, N. P., Pellegrini, C., Rheude, T., Trenkwalder, T., Alvarez-Covarrubias, H. A., Xhepa, E., van der Starre, P., Wiesner, G., Schunkert, H., Tassani-Prell, P., Joner, M.
2020
- **Six-Month Outcome After Unplanned Conversion from Sedation to General Anesthesia in Patients Undergoing Transfemoral Transcatheter Aortic Valve Replacement**
Mayr, N., Joner, M., Bleiziffer, S., Michel, J., Pellegrini, C., Rheude, T., van der Starre, P., Erdoes, G., Husser, O., Wiesner, G., Schunkert, H., Lange, R., Tassani-Prell, et al
ELSEVIER SCIENCE INC.2019: S52–S53
- **Periprocedural transfusion in patients undergoing transfemoral transcatheter aortic valve implantation** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*

- Mayr, N., Wiesner, G., Hapfelmeier, A., van der Starre, P., Husser, O., Bleiziffer, S., Schunkert, H., Lange, R., Tassani-Prell, P., Martin, K.
2018; 92 (1): 141–48
- **Periprocedural transfusion in patients undergoing transfemoral transcatheter aortic valve implantation.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
Mayr, N. P., Wiesner, G., Hapfelmeier, A., van der Starre, P., Husser, O., Bleiziffer, S., Schunkert, H., Lange, R., Tassani-Prell, P., Martin, K.
2018; 92 (1): 141-148
 - **Dexmedetomidine versus propofol-opioid for sedation in transcatheter aortic valve implantation patients: a retrospective analysis of periprocedural gas exchange and hemodynamic support** *CANADIAN JOURNAL OF ANESTHESIA-JOURNAL CANADIEN D ANESTHESIE*
Mayr, N., Wiesner, G., van der Starre, P., Hapfelmeier, A., Goppel, G., Kasel, A., Hengstenberg, C., Husser, O., Schunkert, H., Tassani-Prell, P.
2018; 65 (6): 647–57
 - **Comparison of sedation and general anaesthesia for transcatheter aortic valve implantation on cerebral oxygen saturation and neurocognitive outcome** *BRITISH JOURNAL OF ANAESTHESIA*
Mayr, N. P., Hapfelmeier, A., Martin, K., Kurz, A., van der Starre, P., Babik, B., Mazzitelli, D., Lange, R., Wiesner, G., Tassani-Prell, P.
2016; 116 (1): 90-99
 - **Acute cellular insulin resistance and hyperglycemia associated with hypophosphatemia after cardiac surgery. A & A case reports**
Garazi, E., Bridge, S., Caffarelli, A., Ruoss, S., van der Starre, P.
2015; 4 (2): 22-25
 - **Factor VIII Inhibitor Bypass Activity and Recombinant Activated Factor VII in Cardiac Surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Rao, V. K., Lobato, R. L., Bartlett, B., Klanjac, M., Mora-Mangano, C. T., Soran, P. D., Oakes, D. A., Hill, C. C., van der Starre, P. J.
2014; 28 (5): 1221-1226
 - **Immediate Postoperative Percutaneous Stenting of Superior Vena Cava Obstruction Following Heart Transplantation in Adult Patients with Pacemaker Leads** *JOURNAL OF CARDIAC SURGERY*
Asseff, D., Sheikh, A. Y., Sze, D., Ha, R., Hofmann, L., van der Starre, P. J.
2014; 29 (5): 733-736
 - **Immediate postoperative percutaneous stenting of superior vena cava obstruction following heart transplantation in adult patients with pacemaker leads.** *Journal of cardiac surgery*
Asseff, D., Sheikh, A. Y., Sze, D., Ha, R., Hofmann, L., van der Starre, P. J.
2014; 29 (5): 733-736
 - **Late profound muscle weakness following heart transplantation due to danon disease** *MUSCLE & NERVE*
van der Starre, P., Deuse, T., Pritts, C., Brun, C., Vogel, H., Oyer, P.
2013; 47 (1): 135-137
 - **Reply.** *Muscle & nerve*
van der Starre, P. J.
2013
 - **Transesophageal Echocardiography Guidance for Stent-Graft Repair of a Thoracic Aneurysm is Facilitated by the Ability of Partial Stent Deployment** *ANNALS OF VASCULAR SURGERY*
Crimi, E., Lee, J. T., Dake, M. D., van der Starre, P. J.
2012; 26 (6)
 - **Comparative Study of Factor Eight Inhibitor Bypass Activity and Recombinant Activated Factor VII in Refractory Post-Cardiopulmonary Bypass Bleeding** *Scientific Sessions of the American-Heart-Association/Resuscitation Science Symposium*
Rao, V. K., Bartlett, B., Soran, D., Oakes, D., Hill, C., Lobato, R., Klanjac, M., Mora-Mangano, C., van der Starre, P.
LIPPINCOTT WILLIAMS & WILKINS.2011
 - **Comparison between RapidTEG (R) and conventional thromboelastography in cardiac surgery patients** *BRITISH JOURNAL OF ANAESTHESIA*
Thai, J., REYNOLDS, E. J., Natalia, N., Cornelissen, C., Lemmens, H. J., Hill, C. C., van der Starre, P. J.
2011; 106 (4): 605-606
 - **Vancomycin plasma concentrations in cardiac surgery with the use of profound hypothermic circulatory arrest** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*

- van der Starre, P. J., Kolz, M., Lemmens, H. J., Faix, J. D., Mitchell, S., Miller, C.
2010; 38 (6): 741-744
- **Lung Transplant Airway Hypoxia A Diathesis to Fibrosis?** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Dhillon, G. S., Zamora, M. R., Roos, J. E., Sheahan, D., Sista, R. R., van der Starre, P., Weill, D., Nicolls, M. R.
2010; 182 (2): 230-236
 - **Dexmedetomidine and the Reduction of Postoperative Delirium after Cardiac Surgery** *PSYCHOSOMATICS*
Maldonado, J. R., Wysong, A., van der Starre, P. J., Block, T., Miller, C., Reitz, B. A.
2009; 50 (3): 206-217
 - **Factors Portending Endoleak Formation After Thoracic Aortic Stent-Graft Repair of Complicated Aortic Dissection** *CIRCULATION-CARDIOVASCULAR INTERVENTIONS*
Sze, D. Y., Van den Bosch, M. A., Dake, M. D., Miller, D. C., Hofmann, L. V., Varghese, R., Malaisrie, S. C., van der Starre, P. J., Rosenberg, J., Mitchell, R. S.
2009; 2 (2): 105-112
 - **Obstruction of pulmonary artery catheterization because of lipomatous hypertrophy of the interatrial septum** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Scholten, K. J., Soran, P. D., van der Starre, P. J.
2008; 22 (5): 751-752
 - **Unexpected findings during the anesthetic management of a patient with a cardiac paraganglioma** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Soran, P. D., Akram, S., Mihm, F., Fleischmann, D., Reitz, B., van der Starre, P.
2008; 22 (4): 570-572
 - **Intraoperative monitoring of elephant trunk kinking with transesophageal echocardiography** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Oakes, D. A., Sze, D. Y., Frisoli, J. K., Mitchell, R. S., Harris, E. J., Thu, C., van der Starre, P. J.
2007; 21 (4): 584-586
 - **Detection of intracardiac thromboses after factor VIII inhibitor bypass activity administration by transesophageal echocardiography** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*
Horstman, D. J., van der Starre, P. J.
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 - **Intraoperative colon mucosal oxygen saturation during aortic surgery** *1st Annual Academic Surgical Congress of the Association-for-Academic-Surgery*
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 - **Plasma cefazolin levels during cardiovascular surgery: Effects of cardiopulmonary bypass and profound hypothermic circulatory arrest** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Caffarelli, A. D., Holden, J. P., Baron, E. J., Lemmens, H. J., D'Souza, H., Yau, V., Olcott, C., Reitz, B. A., Miller, D. C., van der Starre, P. J.
2006; 131 (6): 1338-1343
 - **Stent-graft repair of an aortic rupture caused by invasive hemangiopericytoma** *ANNALS OF THORACIC SURGERY*
van der Starre, P. J., Sze, D. Y., Guta, C., Mitchell, R. S., Dake, M. D.
2006; 81 (6): 2300-2302
 - **Nesiritide in cardiovascular anesthesia.** *Current opinion in anaesthesiology*
van der Starre, P. J.
2005; 18 (1): 83-87
 - **Nesiritide in cardiovascular anesthesia** *CURRENT OPINION IN ANESTHESIOLOGY*
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2005; 18 (1): 83-87
 - **The value of transesophageal echocardiography for endovascular graft stenting of the ascending aorta** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*

van der Starre, P., Guta, C., Dake, M., Ihnken, K., Robbins, R.
2004; 18 (4): 466-468

● **Choice of anesthetics.** *Anesthesiology clinics of North America*

van der Starre, P. J., Guta, C.
2004; 22 (2): 251-?

● **Continuous, noninvasive, and localized microvascular tissue oximetry using visible light spectroscopy** *ANESTHESIOLOGY*

Benaron, D. A., Parachikov, I. H., Friedland, S., Soetikno, R., Brock-Utne, J., van der Starre, P. J., Nezhat, C., Terris, M. K., Maxim, P. G., Carson, J. J., Razavi, M. K., Gladstone, H. B., Fincher, et al
2004; 100 (6): 1469-1475

● **Successful treatment of a Stanford type A dissection by percutaneous placement of a covered stent graft in the ascending aorta** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

Ihnken, K., Sze, D., Dake, M. D., Fleischmann, D., van der Starre, P., Robbins, R.
2004; 127 (6): 1808-1810

● **Magnesium in addition to Sotalol does not influence the incidence of postoperative atrial tachyarrhythmias after coronary artery bypass surgery** *JOURNAL OF CARDIOTHORACIC AND VASCULAR ANESTHESIA*

Geertman, H., van der Starre, P. J., Sie, H. T., Beukema, W. P., van Rooyen-Butijn, M.
2004; 18 (3): 309-312