

CURRICULUM VITAE

Lars Søndergaard

03-oct-2018
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EDUCATION

General Certificate of Secondary Education in mathematical physics.
Aalborg Katedralskole 1980.

Degree in medicine.

Faculty of Health and Medical Sciences, University of Copenhagen 1988.

Specialist in cardiology 2001.

Scientific thesis (MDSci, dr. med.):

Faculty of Health and Medical Sciences, University of Copenhagen, 2004.

Current position:

Professor of Cardiology, University of Copenhagen, Denmark

Consultant Cardiology, Rigshospitalet, Blegdamsvej 9, 2100 Copenhagen, Denmark.

SCIENTIFIC THESIS (DMSc, dr. med.)

Faculty of Health and Medical Sciences, University of Copenhagen, Denmark, February 2004:

Quantitative assessment of aortic regurgitation and stenosis using magnetic resonance velocity mapping: Technical aspects and clinical evaluation.

SCIENTIFIC PUBLICATIONS

210 peer-reviewed publications

APPOINTMENTS

Research:

Danish Centre for Magnetic Resonance, Hvidovre Hospital:

Research fellow	02/1990 -12/1992	(35 mo)
Research fellow	01/1999 - 03/1999	(3 mo)

Surgery:

Department of Orthopaedic, Hillerød Sygehus:

Internal ship	05/1988 - 10/1988	(6 mo)
Locum senior house officer	01/1989 - 04/1989	(4 mo)

Medicine:

Department of Medicine B, Aalborg Sygehus Syd:

Locum for senior house officer	03/1988 - 04/1988	(2 mo)
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Department of Medicine B, Hillerød Sygehus:

Internal ship	05/1989 - 10/1989	(6 mo)
Locum senior house officer	11/1989 - 01/1990	(3 mo)

Department of Medicine B (cardiology), Rigshospitalet:

Senior house officer	01/1993 - 08/1994	(20 mo)
Registrar	09/1994 - 08/1995	(12 mo)

Department of Medicine ONK (oncology), Rigshospitalet:

Registrar	09/1995 - 02/1996	(6 mo)
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Department of Medicine M (infectious disease), Rigshospitalet:

Registrar	03/1996 - 08/1996	(6 mo)
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Department of Medicine E, Frederiksberg Hospital:

Senior registrar (internal medicine)	09/1996 - 09/1997	(13 mo)
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Department of Medicine B (cardiology), Rigshospitalet:

Senior registrar (cardiology 14855R)	10/1997 - 05/1998	(8 mo)
Registrar (cath. lab. 14804s)	06/1998 - 07/1999	(11 mo)

Cardiothoracic Unit, Great Ormond Street Hospital for Sick Children, London:

Specialist Registrar	08/1999 – 09/2000	(14 mo)
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The GUCH Unit, Middlesex Hospital, University College London Hospitals:

Senior Lecturer	10/2000 – 01/2002	(16 mo)
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Department of Cardiology B, Rigshospitalet:

Staff doctor	02/2002 – 06/2003	(17 mo)
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Department of Cardiology B, Rigshospitalet:

Consultant	07/2003 –
Professor of cardiology	08/2015 –

HONONARY POSITIONS

Chairman of Danish Society of Congenital Heart Diseases (Dansk Selskab for Medfødte Hjertesygdomme). 2004-2008.

Chairman of Danish Society of Cardiology's Working Group on Congenital Heart Diseases Dansk Cardiologisk Selskab's arbejdsgruppe for medfødte hjertesygdomme). 2008-2012.

Consultant Expert in Coroner Council (Retslægerådet). 2010-

Clinical Associated Professor in the Department of Medicine and Therapeutics, The Chinese University of Hong Kong, Hong Kong. 2012-

Deputy Editor EuroIntervention. 2018-

Course Director PCR Tokyo Valves. 2019-

TEACHING

Pre-graduate

Bi-annual *Lectures on Congenital Heart Diseases* at Faculty of Health and Medical Sciences, University of Copenhagen, 2002-

Supervisor for *Research Year Students*. 2010-

Post-graduate

Co-director of the annual *Speciality Specific Course on Congenital Heart Diseases*. 2009-

Course director of the annual *Copenhagen Symposium on Congenital and Structural Heart Diseases*. 2011-2013

Course director of the bi-annual *Copenhagen Masterclass on Pulmonary Arterial Hypertension in Congenital Heart Diseases*. 2011-2015

Speaker at Danish Society of Cardiology annual Masterclass on *Heart Valve Disease: Diagnostics and treatment*. 2012-2015

Course Director of *Workshops and Animal Sessions on Device Closure of Atrial Septal Defects, Transcatheter Heart Valve Implantation, Intra-Cardiac Echocardiography*. 2007-2013

Proctor by Invitation on Transcatheter Closure of Atrial Septal Defects in Denmark, Sweden, Norway, Iceland, Germany, The Netherland, Spain, Poland, Latvia, Romania, and Scotland. 2004-

Proctor by Invitation on Transcatheter Pulmonary Valve Implantation in Denmark, Norway, Sweden, Finland, Germany, The Netherland, France, Italy, Greece, Slovenia, Poland, Estonia, Latvia, Lithuania, Scotland, Thailand, Australia and New Zealand. 2007-

Proctor by Invitation on Transcatheter Aortic Valve Implantation in Denmark, Sweden, Norway, Finland, Iceland, Latvia, Lithuania, Germany, Poland, Holland, France, Switzerland, Italy, Greece, Turkey, Israel, India, Thailand, Vietnam, Malaysia, Singapore, Hong Kong, South Korea, China, Taiwan, Japan and New Zealand. 2009-

Hosting *International Fellows* in interventional Structural Heart Diseases:

Rajesh Nair, England	08/2009 – 10/2010
Huan Poh, England	02/2011 – 01/2012
Jiranut Cholteesupachai, Thailand	10/2011 – 09/2012
Gary Cheung, Hong Kong	08/2012 – 07/2013
Samer Arnous, England	04/2013 – 11/2013
Ole de Backer, Belgium	06/2013 – 05/2014
Luigi Biasco, Italy	12/2013 – 11/2014
Matthew Brooks, Australia	01/2014 – 12/2014
Vincent Luk, Hong Kong	08/2015 – 07/2016
Danny Chow, Hong Kong	04/2016 – 12/2016
Oscar Millan, Mexica	04/2016 - 02/2017
Fadi Sawaya, Lebanon	08/2016 - 01/2017
Sigitas Cesna, Lithuania	03/2017 - 07/2018

Manik Chopra, India	04/2017 – 03/2018
Tasalak Thonghong, Thailand	08/2017 –
Alfred Wong, Hong Kong	01/2018 -
Liesbeth Rosseel, Belgien	05/2018 -

Radcliffe Cardiology – TAVI Round Table Discussion 2013:

<http://www.radcliffecardiology.com/gallery/tavi-round-table-discussion-session-1-interpreting-tavi-research-data>

<http://www.radcliffecardiology.com/gallery/tavi-round-table-discussion-session-2-planning-procedure>

<http://www.radcliffecardiology.com/gallery/tavi-round-table-discussion-session-3-aortic-regurgitation-after-tavi>

<http://www.radcliffecardiology.com/gallery/tavi-round-table-discussion-session-4-tavi-and-coronary-artery-disease>

<http://www.radcliffecardiology.com/gallery/tavi-round-table-discussion-session-5-tavi-complications>

<http://www.radcliffecardiology.com/gallery/tavi-round-table-discussion-session-6-whats-pipeline>

PhD SUPERVISOR

- 1 Jens Christian Nilsson. Left Ventricular Remodelling in the First Year Following Acute Myocardial Infarction - Frequency, Extent and Prediction. Faculty of Health and Medical Sciences, University of Copenhagen. 2002.
- 2 Annette Schophuus Jensen. Hemostatic Abnormalities in Cyanotic Heart Diseases. Faculty of Health and Medical Sciences, University of Copenhagen. January 13th 2012.
- 3 Lars Idorn. Univentricular Hearts in Denmark 1977-2009: Demography, Clinical Status, and Expected Future Complications. Faculty of Health and Medical Sciences, University of Copenhagen. November 16th 2012.
- 4 Anders Hebert. Effect of Bosentan on Exercise Capacity in TCPC patients: A Randomized, Double-Blinded Multicenter Study. Faculty of Health and Medical Sciences, University of Copenhagen. September 2014.
- 5 Susanne Hwiid Klausen. Effect of eHealth Encouragements to Intensive Exercise in Adolescents With Congenital Heart Disease (PReVail). Faculty of Health and Medical Sciences, University of Copenhagen. November 13th 2015.
- 6 Gustav Thyregod. Nordic Aortic Valve Intervention Trial. Faculty of Health and Medical Sciences, University of Copenhagen. April 12th 2016.
- 7 Cristel Marie Sørensen. Advanced Therapy in Eisenmenger Syndrome – Impact on Mortality. Faculty of Health and Medical Sciences, University of Copenhagen. November 11th 2016.
- 8 Rebekka Lytzen Fetal Echocardiography 1996-2013: Dissemination and Clinical Consequences. On going.
- 9 Julie Bjerre Thygesen. Prevalence of Atheromatosis in Cyanotic Congenital Heart Disease. Faculty of Health and Medical Sciences, University of Copenhagen. On going.
- 10 Troels Højgaard Rasmussen. Conduction abnormalities after transcatheter aortic valve replacement. Faculty of Health and Medical Sciences, University of Copenhagen. On going.
- 11 Hanna Dagnegaard. The Nordic experience with the full aortic root Freestyle bioprosthesis. Faculty of Health and Medical Sciences, University of Copenhagen. On going.

SUPERVISOR FOR RESEARCH YEAR STUDENTS

1. Lene Kjær Olsen. Transcatheter Aortic Valve Implantation. Faculty of Health and Medical Sciences, University of Copenhagen. 2010.
2. Taceddin Cicek. Tetralogy of Tetralogy: The Disease, Complications in Adulthood and Treatment. Faculty of Health and Medical Sciences, University of Copenhagen. 2011.
3. Julie Bjerre Thygesen. Re-evaluation of the Indications for Permanent Pacemaker Implantation after Transcatheter Aortic Valve Implantation. Faculty of Health and Medical Sciences, University of Copenhagen. 2012.
4. Troels Højsgaard Jørgensen. Temporal Changes in New-Onset Atrial Fibrillation after TAVI and SAVR: A Randomised Study. Faculty of Health and Medical Sciences, University of Copenhagen. 2013.
5. Marie Theut. Mortality and Predictors for Death after Transcatheter Aortic Valve Implantation (TAVI) in Patients with Aortic Stenosis. Faculty of Health and Medical Sciences, University of Copenhagen. 2013.
6. Ea Blaksteen. Assessment of Ventricular Function in Fontan Patients using Conductance Catheter Technique. Faculty of Health and Medical Sciences, University of Copenhagen. 2014.
7. PAH

TEXT BOOK CHAPTERS

- 1 L Søndergaard. Magnetisk Resonans Billeddannelse (MR). In: I Lorenzen, G Bendixen, NE Hansen, ed. Medicinsk kompendium - Hjertesygdomme, 14. edition. Nyt Nordisk Forlag Arnold Busck, 1994; 915-6.
- 2 L Søndergaard, F Ståhlberg, C Thomsen. Valvular Heart Disease. In: C Higgins & A de Roos, ed. Cardiovascular MRI & MRA. Lippincott, Williams & Wilkins, 2002; 155-170.
- 3 L Søndergaard, S Cullen. Ebstein's anomaly. In: M Gatzoulis, G Webb and P Daubeney. Diagnosis and Management of Adult Congenital Heart Disease. Churchill Livingstone, 2003; 283-8.
- 4 K Sørensen, L Søndergaard. Medfødt hjertesygdom. In: OB Schaffalitzky de Muckadell, S Haunsø, H Vilstrup, ed. Medicinsk kompendium - Hjertesygdomme, 17. edition. Nyt Nordisk Forlag Arnold Busck, 2009; 1161-79.
- 5 N Ihlemann, L Søndergaard, O Franzen. Barlow's Disease. In: T Feldman, O Franzen, R Low, J Rogers, KK Yeo. Atlas of Percutaneous Edge-to-Edge Mitral Valve Repair. Springer, 2013; 211-232.
- 6 L Søndergaard, K Sørensen. Medfødt hjertesygdom. In: OB Schaffalitzky de Muckadell, S Haunsø, H Vilstrup, ed. Medicinsk kompendium - Hjertesygdomme, 18. edition. Copenhagen: Nyt Nordisk Forlag Arnold Busck, 2013.
- 7 G Cheung, L Søndergaard. The Gore Septal Occluder. In: Zahid Amin, Jonathan Tobis, Horst Sievert and John Carroll. Patent Foramen Ovale. Springer, 2014.
- 8 AS Jensen, L Søndergaard, A Uebing. Management of right heart lesions in pregnancy. In: PJ Steer and MA Gatzoulis. Heart Disease and Pregnancy 2nd edition. Cambridge University Press, 2016.
- 9 NT Olsen, L Søndergaard. Difficult Cases and Complications from the Catheterization Laboratory: PFO Device Embolization and Settling in the Distal Aorta. In: B. Reimers et al. (eds.). Percutaneous Interventions for Structural Heart Disease. Springer International Publishing Switzerland, 2017; 277-82.
- 10 L Idorn, L Søndergaard. Pulmonary Vascular Disease in Patients with Fontan-Type Circulation. In: G Diller & K Dimopoulos. Pulmonary Hypertension in Adult Congenital Heart Disease. Springer, 2017;91-104.
- 11 AS Jensen, L Søndergaard. Management of Fontan patients. In: G Diller & K Dimopoulos. Pulmonary Hypertension in Adult Congenital Heart Disease. Springer. 2017;329-340.
- 12 M Charakida, L Søndergaard. Coarctation Lesion. ESC Textbook. Congenital Heart Disease in Children and Adults. In press.
- 13 FJ Sawaya, Lars Søndergaard. Aortic Regurgitation. In: M Gatzoulis, G Webb and P Daubeney. Adult Congenital Heart Disease, 3rd Edition. Elsevier. In press.

MTV RAPPORT

L Søndergaard, M Johansen, A Nørrelund, P Palm, M Hedegaard, A Kolbye, AM Danø, PB Poulsen . Sammenhængende monitorering og opfølgning af gravide med hjertesygdom – En medicinsk Teknologivurdering [Coherent Monitoring and Follow-Up of Pregnant Women with a Heart Disease – a Health Technology Assessment]. 2006.

First-In-Human transcatheter interventions

Device Closure of Atrial Septal Defect with Gore Septal Occluder (GSO) (WL Gore & Ass., AZ, US).
Rigshospitalet, Copenhagen, June 15th 2011.

Inter-Atrial Septal Defect (IASD) in HFpEF (DC Devices – now CorVia Medical Inc., MA, US).
Rigshospitalet, Copenhagen, May 22nd 2012.

Transcatheter Mitral Valve Replacement (CardiAQ – now Edwards-CardiAQ, MN, US).
Rigshospitalet, Copenhagen, June 12th 2012.

Transcatheter Aortic Valve Replacement with the Hydra System (Vascular Innovations, Thailand).
Hanoi, Vietnam, November 11th 2013.

Transcatheter Aortic Valve Replacement with the Lotus DepthGuard (Boston Scientific, MA, US).
Rigshospitalet, Copenhagen, March 29th 2016