

AEPC Advanced Training Course in Catheter Intervention

11-12 November 2024

Skane University Hospital, Lund, Sweden (Conference Hall 2)

Course Topic: Planning and guidance of complex transcatheter interventions

Day 1 (Monday 11 Nov)

9.30-9.55 **Welcome reception** (Industry Exhibition Hall)

9.55-10.00 Welcome

10.00-10:10 What do I need to think of when planning a complex intervention?

10.10-10.30 *Fellow's case**: What could I have done differently?

10.30-10.40 Newer imaging modalities to plan and guide interventions: when and how to use them?

10.40-11.00 *Fellow's case**: Could this modality have improved the outcome?

11.00-11.10 What does combined MRI-catheterization aid in planning and guiding interventions?

11.10-11.30 *Fellow's case*

11.30-11.40 Stress tests in the cath lab: when to use them and how to interpret the data?

11.40-12.00 *Fellow's case*

*Fellows are asked to submit in advance anonymized imaging (CT, 3D echo) & clinical data for 3D reconstruction, print, VR

12.00-13.00: **Lunch** (lunch boxes available in the Industry Exhibition Hall)

13.00-14.45 What do I need to think of before doing an emergency intervention?

13.00-13.10 Neonatal non-Rashkind

13.10-13.30 *Fellow's case*

13.30-13.40 Postsurgical

13.40-14.00 *Fellow's case*

14.00-14.10 On ECMO

14.10-14.30 *Fellow's case*

14.30-14.45 What can your surgeon tell and do to improve the outcome?

14.45-15.15 **Coffee break** (Industry Exhibition Hall)

15.15-15.30 What if something goes wrong? - Implications for the interventionalist.

15.30-15.50 *Fellow's case I*

15.50-16.10 *Fellow's case II*

16.10-16.30 *Fellow's case III*

16.30-17.30 Work-stations & Hands-on 3D print, VR/AR (Exhibition Hall and Conference Hall 3)

17.30-18.15 Tour of Children's Hospital & Children's Heart Centre Lund (optional)

19.00 **Dinner**

Day 2 (Tuesday 12 November)

8.00-9.00	Complex interventions in the atrial septum	
8.00-8.10	Overview	
8.10-8.30		<i>Fellow's case:</i> Stenting of atrial septum
8.30-8.50		<i>Fellow's case:</i> Closure of multiple ASD
8.50-9.00	ASD creation in heart failure	
9.00-10.00	VSD closure	
9.00-9.10	Overview	
9.10-9.30		<i>Fellow's case:</i> Could not close this VSD although pre-interventional imaging looked very promising
9.30-9.50		<i>Fellow's case:</i> Closed the mVSD but PA balloon-debanding did not work out well
9.50-10.00	What to watch out for: surgeon's view	
10.00-10.30	Coffee break (lunch boxes available in the Industry Exhibition Hall)	
10.30-11.30	Complex PDA interventions	
10.30-10.40	Overview	
10.40-11.00		<i>Fellow's case:</i> PDA closure in infant < 1 kg
11.00-11.20		<i>Fellow's case:</i> Complication after PDA stenting
11.20-11.30	Potts shunt: indications and technique (?)	
11.30-12.00	Device embolization	
11.30-11.40	Checklist and retrieval techniques	
11.40-12.00		<i>Fellow's case:</i> Failure to retrieve embolized device
Work-stations available during morning sessions: catheters, wires, sheaths + ASD, VSD, PDA devices (Abbott, Occlutech and Pfm)		
12.00-13.00	Lunch	
13.00-14.00	Complex interventions in the aortic arch	
13.00-13.10	Overview	
13.10-13.30		<i>Fellow's case:</i> Stenting of CoA in infant < 10 kg
13.30-13.50		<i>Fellow's case:</i> Residual arch stenosis after Norwood
13.50-14.00	How to deal with intra- & post-procedural complications after stenting?	
14.00-15.00	Complex interventions in the RVOT	
14.00-14.10	Overview	
14.10-14.30		<i>Fellow's case:</i> Stent embolization after RVOT stenting
14.30-14.50		<i>Fellow's case:</i> PPVI in small (<14mm) PA conduit
14.50-15.00	PPVI options in small children (Kenny)	
15.00-15.30	Coffee break	
15.30-16.30	Complex interventions in Fontan Circulation	
15.30-15.40	Overview	
15.40-16.00		<i>Fellow's case I</i>
16.00-16.20		<i>Fellow's case II</i>
16.20-16.30	My treatment algorithm in PLE	
16.00-16.30		
16.30	Wrap up	