The 7th Liverpool Aortic Surgery Symposium was held at the Liverpool Echo Arena at the end of June 2017. The meeting was well attended with delegates and faculty from all over the world. The meeting was opened by Professor Aung Oo and our patron Mr Abbas Rashid. The Key Note Bob Bonser Memorial Lecture was delivered by Professor Hazim Safi.
Key topics presented and discussed were:

1) **Current status of the ARCH Projects presented by David Tian**
   a. David discussed current status of the international arch data project and projects undertaken in the first round of allocations and preliminary plans to present that data ([www.archprojects.org](http://www.archprojects.org)).

2) **The safe use of Thoraflex and Jotec hybrid stent grafts**
   a. A common theme is many of the talks and discussion was the safe deployment of hybrid stent grafts including optimum management of temperature, left subclavian artery and post-operative cerebrospinal perfusion pressure.

3) **Management of coagulopathy after aortic surgery**
   a. Dr Seema Agarwal presented data from Liverpool showing that the blood transfusion may be significantly reduced with the use of autologous platelets and factor concentrates.

4) **International snap shot of systems for managing acute Type A aortic dissection**
   a. Four speakers from around the world presented local service arrangements for management of acute Type A dissection. There was general agreement that there should be some restructuring within the UK.
Session I – 08.45 – 10.05 Scientific Session
Moderators: Christian Itz/Jeanie Harper/Arvick Rosendahl
08.45 – 08.55 Robotic surgery: disruptive innovation or unfulfilled promise? Thanos Athanasioou
08.55 – 09.05 Effective Treatment for Thoracic Aortic Aneurysm [ETTAA Study] - Update Steve Lange
09.05 – 09.15 Aortic Dissection and Aortic Aneurysm in Systemic Vasculitis Janica Harper
09.15 – 09.35 MARS: National Aortic Research Consortium Mohammad Bahir
09.35 – 09.50 Radiological Assessment of Acute and Chronic Aortic Dissection in Clinical Practice Sukumaran Sinhareshan
09.35 – 09.45 The Awaited Evolution: JOTEC E-vita OPEN PLUS Hybrid Stentgraft System Heinz Jakob
09.45 – 10.05 Panel Discussion

Session II – 10.05 – 11.05 Aortic Root and Ascending Aorta
Moderators: Mansi Kudavadi/Duke Cameron/Geoff Tsang
10.05 – 10.20 Valve sparing root replacement in patients with Connective Tissue Disorders: tips and tricks to Prevent AI Duke Cameron
10.15 – 10.25 Working the Geometry to spare the valve George Matsalidis
10.25 – 10.40 Long Term Outcome of Biological vs Mechanical Aortic Root Replacement: Liverpool Experience Debbie Harrington
10.35 – 10.45 Mini Bentall Operation: Technical considerations for a successful outcome Tristan Yan
10.45 – 11.05 Panel Discussion

11.05 – 11.35 Coffee Break / Posters / Exhibitions

Session III – 11.35 – 12.05 Aortic Arch Aneurysms and Dissection
Moderators: Mark Field/Nimesh Desai/Tokyo Aka
11.00 – 11.20 The Frozen Elephant Trunk using E-vita Open Plus in Acute Aortic Dissection: Early and Late Outcomes Andras Hoffman
11.15 – 11.30 Aortic Arch Surgery: How do I fit? Malik Shrestha
11.30 – 11.45 Open Aortic Arch Repair: Japanese Experience Tohru Aka
11.45 – 12.00 Branch First Arch Repair: Indications, Techniques and Outcomes Yutaka Okita
12.00 – 12.15 Open Aortic Arch is Still the Gold Standard: Liverpool Experience Manoj Kudavadi
12.15 – 12.30 Panel Discussion

12.10 – 13.00 Lunch / Posters / Exhibitions

Session IV – 13.30 – 15.00 General Thoracic and Cardiovascular Surgery Roundtable Discussion
Moderators: Rakesh Uppal, Nimesh Desai, Joseph Coselli
13.00 – 13.15 Immune and Jailing: Consideration in Aortic Arch Surgery Provide Similar Neuroprotection Yutaka Okita, Aung Oo
13.15 – 13.30 Panel Discussion

14.20 – 15.00 Afternoon Tea / Posters / Exhibitions

Session IV – 15.30 – 17.30 Abstract Presentations
Moderators: Aggel Scoula/Karmirenkovan/Kele Uppal
15.30 – 15.45 Moderators: Debbie Harrington/Jorge Macias/Will Desmond
17.30 Adjourn
19.30 for 20.00 Gala Dinner at Liverpool Racquet Club, Hotel & Ziba Restaurant, 5, Chapel Street, Liverpool, L3 0MG
Saturday 1st July
08.00 – 09.15 Abstract Presentations
Moderators: Alex Colle/Mark Field/Robert Fisher

09.15 – 10.15 Endovascular and Hybrid Arch Surgery
Moderators: Nirmal Desai/John Yap/Mervin Naidoo
09.35 – 09.45 Endovascular Repair of Aortic Arch Aneurysm
Simon Ngequale
09.45 – 09.55 Papworth Experience with versatile Thoracic Frozen Elephant Trunk
Pedro Catarino
09.55 – 10.05 Hybrid Aortic Arch Surgery: Its place in era of EET
Nirmal Desai
10.05 – 10.15 Update on International Aortic Arch Study
David Tian

10.15 – 11.00 Coffee Break and Exhibitions

11.00 – 11.15 DES and Thoracoabdominal Aorta - Part I
Moderators: Joseph Coeelli/Jones Ana/Jonathan Kendall
11.05 – 11.15 Optimal Spinal Protection strategy in Surgery and Endovascular interventions of Thoracic and Thoracoabdominal Aneurysms
Christian Eitz
11.15 – 11.30 Anaesthetic Management of Complex Aortic Surgery
Roy Shanbaum
11.30 – 11.45 Patient Choice and Timing of Endovascular Treatment for Asymptomatic Acute Type B Aortic Dissection
Christopher Nienaber
11.45 – 11.55 Repair and Replacement in Surgery of Thoracoabdominal Aortic Aneurysms
Marc Schepens
11.55 – 12.05 Reducing Blood Transfusion in Aortic Surgery
Seema Agrawal
12.05 – 12.25 Panel Discussion
12.25 – 12.35 Lunch and Exhibitions

13.15 – 13.25 DES and Thoracoabdominal Aorta - Part II
Moderators: Ramin Sadjadi/Vladimir Yalamov/Axel Alkadhi
13.25 – 13.35 Surgery of Descending Aneurysm for Chronic Type B Dissection
Leonard Gorbutt
13.35 – 13.45 Extent II Thoracoabdominal Aortic Aneurysm Surgery – How I do it
Joseph Coeelli
13.45 – 13.55 Open Repair of Thoracoabdominal Aneurysms with proximal TEVAR
Aung Oo
13.55 – 14.05 Brachial and Fenestrated Thoracoabdominal Endgrafts in Chronic TypeB Dissection Indications and Late Outcomes
John Brennan
14.05 – 14.15 Open Surgery Vs Endovascular Repair for Thoracoabdominal Aneurysms following Chronic B Dissection
Marc Schepens
14.15 – 14.25 Intraoperative and Postoperative Neuromonitoring in Descending and TAAA Surgery and Intervention
Mike Desmond
14.25 – 14.45 Panel Discussion
14.45 – 15.05 Afternoon Tea and Exhibitions

15.05 – 15.15 Service Provision and Outcome of Acute Aortic Syndrome
Moderators: Uitch Rosendahl/Joseph Coeelli/Abbas Bhabit
15.05 – 15.15 Service Provision and Outcome of Acute Aortic Dissection in US
Nirmal Desai
15.15 – 15.25 Service Provision and Outcome of Acute Aortic Dissection in Europe
TDC
15.25 – 15.35 Service Provision and Outcome of Acute Aortic Dissection in the UK
Mark Field
15.35 – 15.45 Service Provision and Outcome of Acute Aortic Dissection in Japan
Yutaka Okita
15.45 – 15.55 Panel Discussion
15.55 – 16.05 What have we learned from Liverpool Aortic Symposium 2017
Aung Oo
16.05 – 16.10 Closing Remarks
Aung Oo