The Aortic Big Picture

Life long Aortic Health Care for our local communities

Liverpool Centre for Cardiovascular Science
Identifying areas for improvement
Diagnosis (Emergency)

- Symptoms
- Emergency Room
- Diagnosis
- Transfer
- Rx

- Public awareness
- Physician awareness
- Biomarkers
- Imaging
Screening

Population

- Imaging
- Syndromes
- Genetics
- Risk Modelling
- Public awareness
Pathways

Elective:
Syndromic/Non-syndromic

- Diagnosis
- Risk Factors Management
- Genetic Counselling
- Imaging Follow-up Surveillance

Emergency

- Diagnosis
- Best Medical Management
- Intervention
- Follow-up

Elective: Syndromic/Non-syndromic

Emergency

- Diagnosis
- Best Medical Management
- Intervention
- Follow-up
• Primary
• Secondary

Prophylaxis

- Blood pressure
- Life style
- Diabetes
- Smoking
Treatment

• Medical

• Surgical

Aortovascular Hub

Cardiology: Imaging
Clinical Geneticist
Vascular Surgeon
Intensivists

Aortovascular Surgery

Cardiology: Complex Hypertension
Root repair
BEVAR
FET
Open TAAA
Debranching

Ross
Hybrid

Vascular Physician
Cardiac Surgeon
Research

Basic Sciences
- LABB Group
- Biobank
- Biomechanics
- Structural biochemistry
- Aortopathy

Translational
- POC Testing
- i-Knife
- Biomarkers
- Renal protection
- Cerebral protection

Clinical
- Trials
- Registry
- PROMS
- Clinical outcomes
- Guidelines National Service

Start up projects
- Lipids
- NETS
- Flow dynamics
- Machine learning
- Mental health
- AF and the aorta
Innovation in Services

- Northern Aortic Centre
- Liverpool Cardiovascular Surgery
- Global Aorta Project
- Aortic Service Innovation
- NW Acute Care Pathways
- DATA Centre
- Integrated Care Network

Global Aorta Project

Aortic Service Innovation

NW Acute Care Pathways

Integrated Care Network

DATA Centre

Liverpool Cardiovascular Surgery
Patient involvement

- Rehabilitation
- Education
- Buddy Systems
- Service improvement
- Research
- PROMS
- The Patient and family
The Aortovascular Hub - 2021