



i-MEET

NEXT GENERATION

Multidisciplinary European Endovascular Therapy

Compliance with Surveillance following EVAR

I. Roy, S. Vallabhaneni on behalf of LiVES

Mr Iain N Roy

Vascular Research Fellow

Liverpool Vascular & Endovascular Service



Disclosure of Interest

Speaker name: **Iain N Roy**

I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Shareholder in a healthcare company
- Owner of a healthcare company
- Other(s)
- **X I do not have any potential conflict of interest**



EVAR surveillance

- Surveillance remains essential following EVAR

Commentators continue to state poor patient compliance remains a significant barrier to effective surveillance & hence EVAR durability

Rarely offer any solutions



Liverpool Surveillance Protocol

- 0-6 Weeks
 - Bi-plannar Abdominal Radiography (pre-discharge)
 - Duplex Colour Ultrasound
 - Single Arterial Phase CTA
- 1 Year & Annually thereafter
 - Bi-plannar Abdominal Radiography
 - Duplex Colour Ultrasound

Abnormal result

further investigation
or increased surveillance

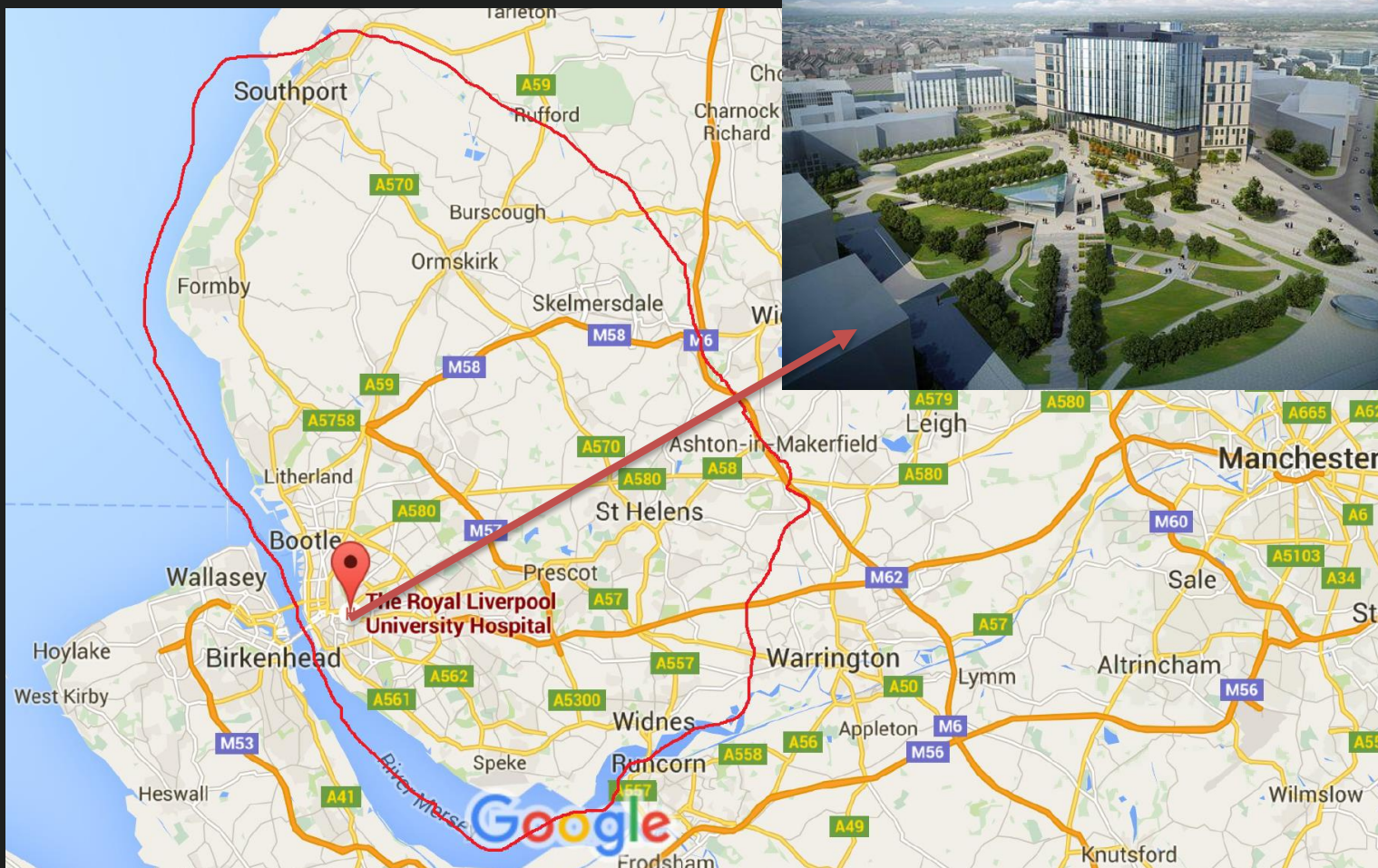


Liverpool – How it Works

- Patients are prepped
- 1 Whole time equivalent administrator dedicated to the EVAR programme →
 - Dedicated EVAR database since early cases
- EVAR database creates patient list
- Dedicated Vascular Lab
- Results returned to admin & surgeon
- DNA's – contacted & rebooked
 - 1 year can be omitted for set reasons



Life dealt a helping hand



Study

- Analysis of compliance with our infra-renal EVAR surveillance programme 2008-15
- Data retrieved from prospectively maintained surveillance database
 - Date of surgery
 - Date of Discharge from surveillance
 - Reason for discharge
 - All surveillance scans dates retrieved for each modality



Results

- 553 patients enrolled onto local surveillance
- Median follow-up 34 Months
 - 130 (24%) Died
 - 21 (4%) actively discharged from surveillance
- 1382 Patient years of follow-up
- 34 (6%) lost to follow-up (missed 2 visits)
- 1795 of 1930 **93%** surveillance visits attended if include repeat bookings for DNA's
 - However not all indicated surveillance modalities undertaken on each visit
 - BMI & Renal function altering schedule



Conclusions

- Excellent compliance in EVAR surveillance is achievable
- Factors we believe help us achieve it;
 - Standardised system
 - Dedicated Admin support - with teeth
 - Team who know what to do next
 - Proximity
 - Doesn't just rely on surgeons!