Compliance with Surveillance following EVAR

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Disclosure of Interest

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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!