

Acute Aortic Syndrome (AAS) in NHS Lothian: a local retrospective case note review

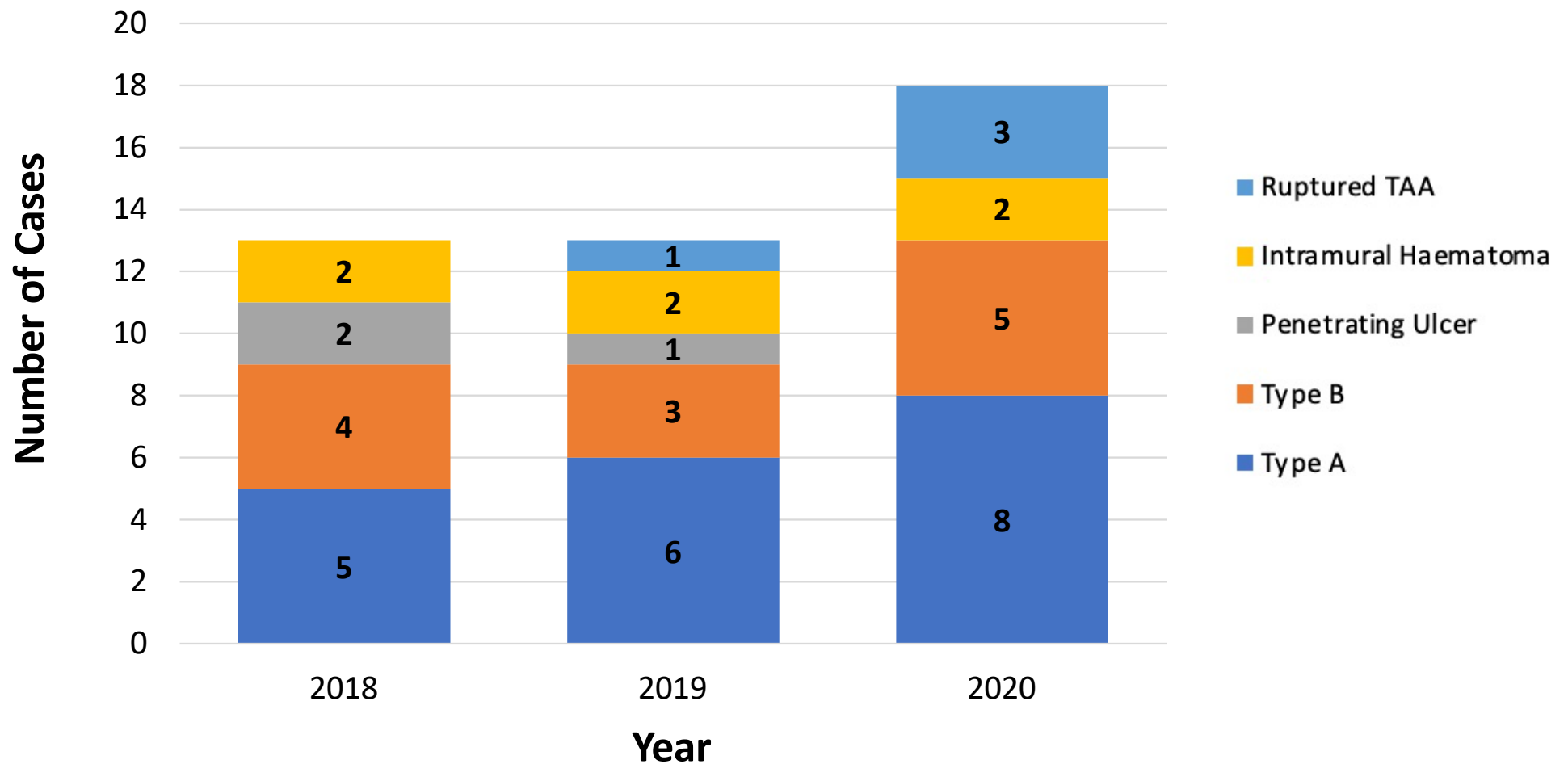
Boyle J, McLatchie R, Alawiye S, Gupta A,
Cowan A, Easterford K, Reed MJ

Background

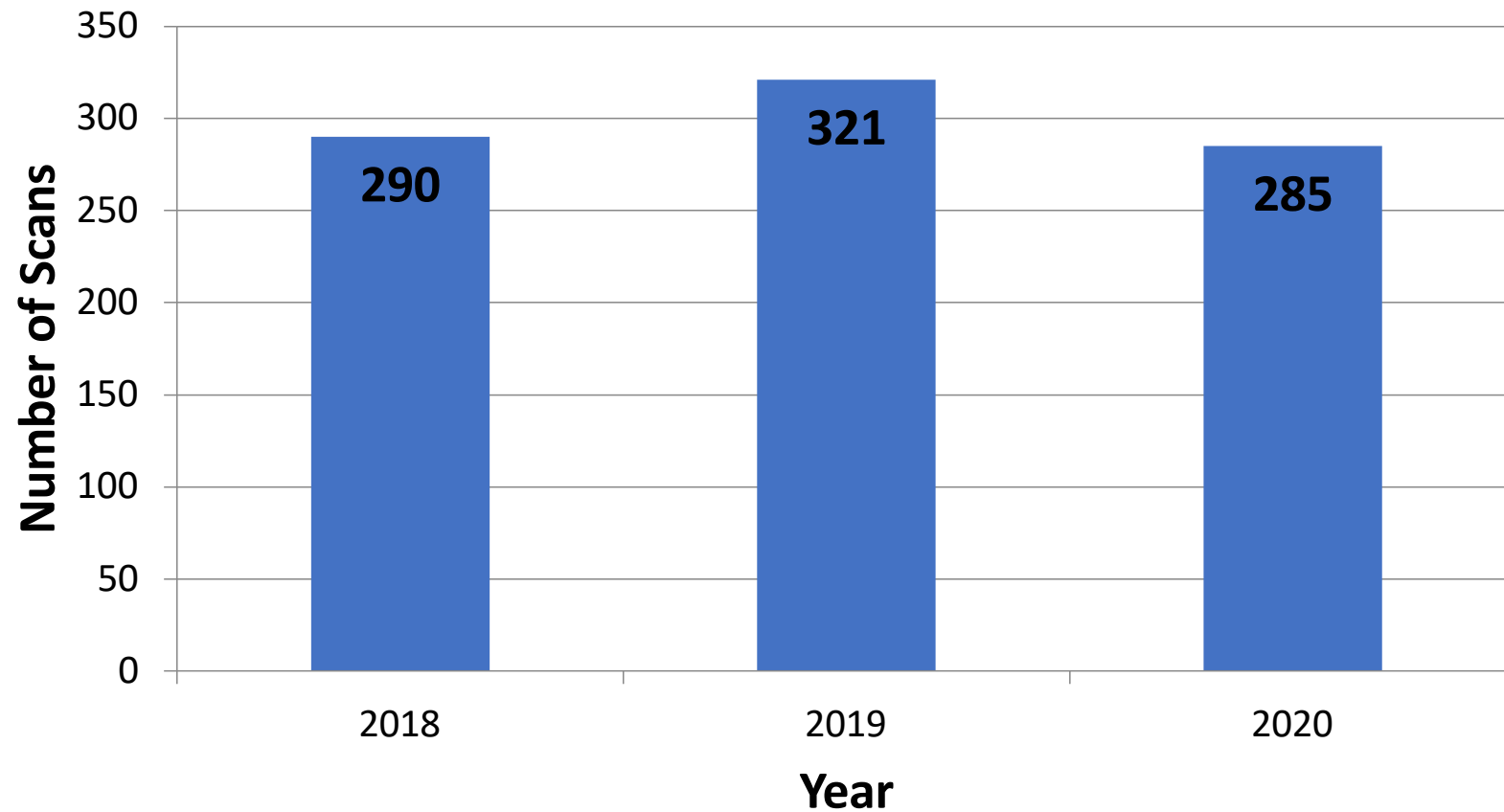


- Acute aortic syndrome (AAS) is a group of life-threatening aortic pathologies which share a similar pathophysiology and presentation
- UK annual incidence: 4,000
- ADD-RS has been proposed as a scoring system to aid clinician's decisions
- No current data or studies into the CTA rate or positivity
- **Aim: To establish CTA practice for AAS in NHS Lothian from 2018 to 2020**

Results – AAS Diagnosis



Results – Number of Scans



Diagnostic Rate

4.5%

4.0%

6.3%

Results – ADD-RS scores



- None had a score of 0
- 21 (48%) had a score of 1
- 21 (48%) had a score of 2
- 2 (4%) had a score of 3

Of those scoring 0-1 (n=21), only 11 had a D-dimer checked – **all elevated**

Conclusions



- Numbers of AAS diagnoses in NHS Lothian are increasing, whilst CTA requests remain steady
- CTA diagnostic rate: 4.0-6.3%
- Clinical scoring systems may help to reduce unnecessary CTA scanning and its associated risks.