# Patient Based EQA





We are, and always have been, part of the NHS

**Birmingham Quality** 

#### **Rachel Marrington**

Deputy Director, Birmingham Quality UK NEQAS Birmingham

UK NEQAS International Quality Expertise





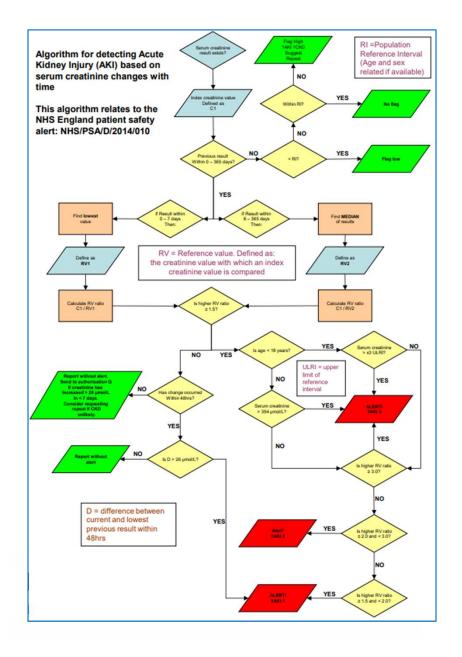
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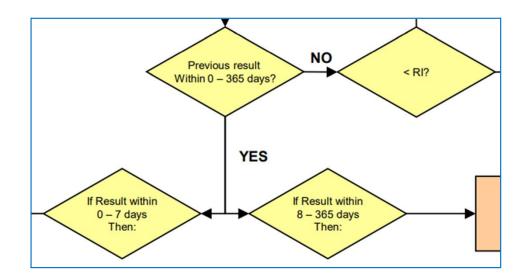
**Quality Management of Algorithmic Tests** 

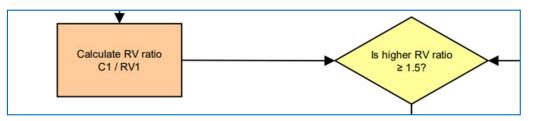
- Adjusted / Corrected Calcium
  - Adjusted Calcium = Measured Calcium + 0.02(40 Albumin)
- eGFR (estimated Glomerular Filtration Rate)
  4V MDRD or 2009 CKD-EPI or 2021 CKD-EPI equations
- AKI (Acute Kidney Injury)
  - NHS England Algorithm

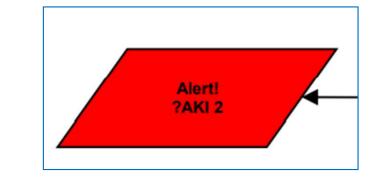
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### **EQA of AKI**

EQA at the specimen level – Result

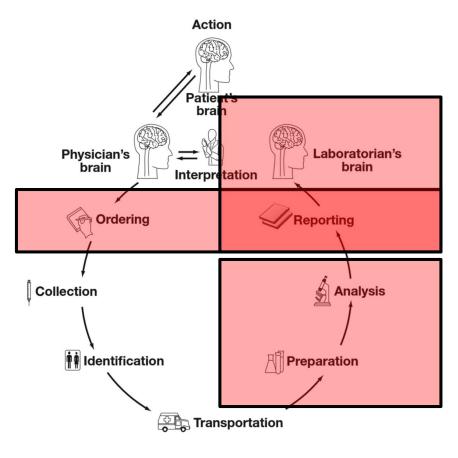
EQA with a clinical scenario – Result and Interpretation

EQA with patient demographics – Result based on demographics

EQA with patient demographics over time – Result based on demographics over time





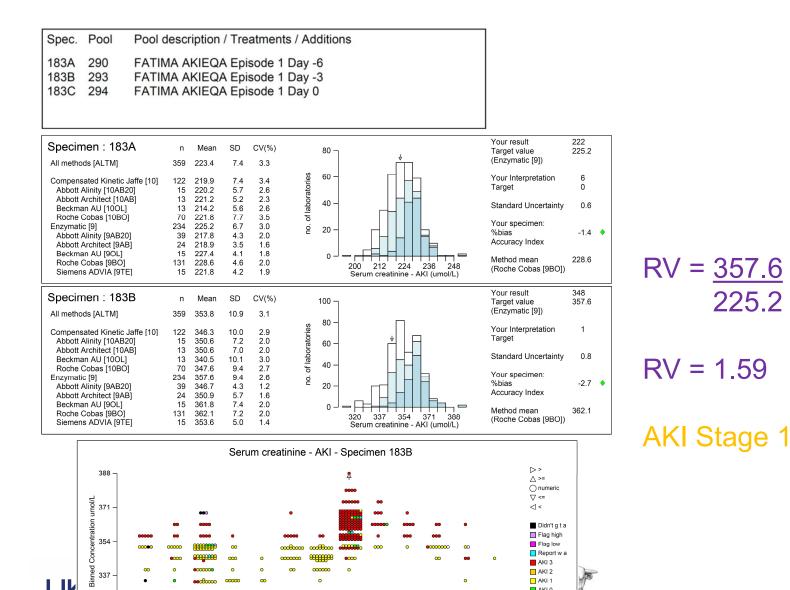


## **AKI Analyte**

- Participants receive three specimens for Creatinine analysis
- The participant needs to set up the AKI patient in the laboratory LIMS
- Patient demographics and specimen collection details are provided
- Participant reports the Creatinine and the AKI stage







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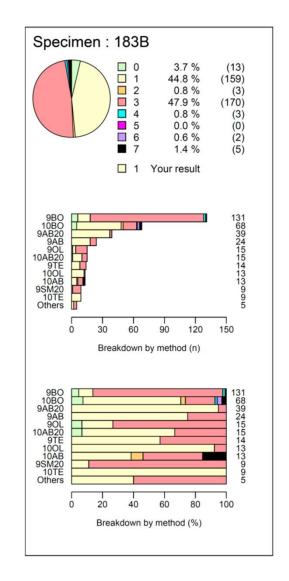
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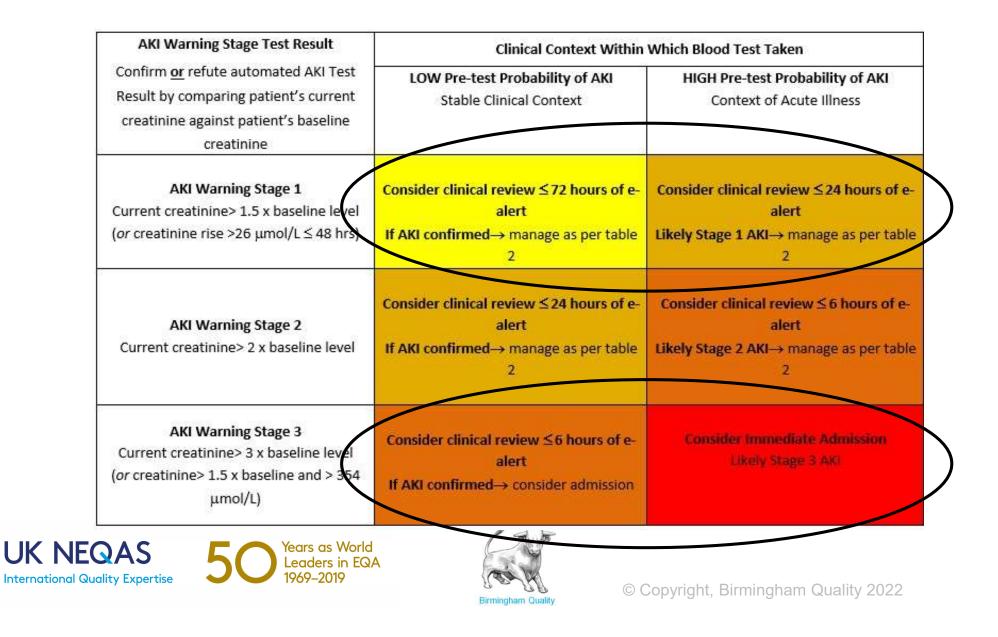
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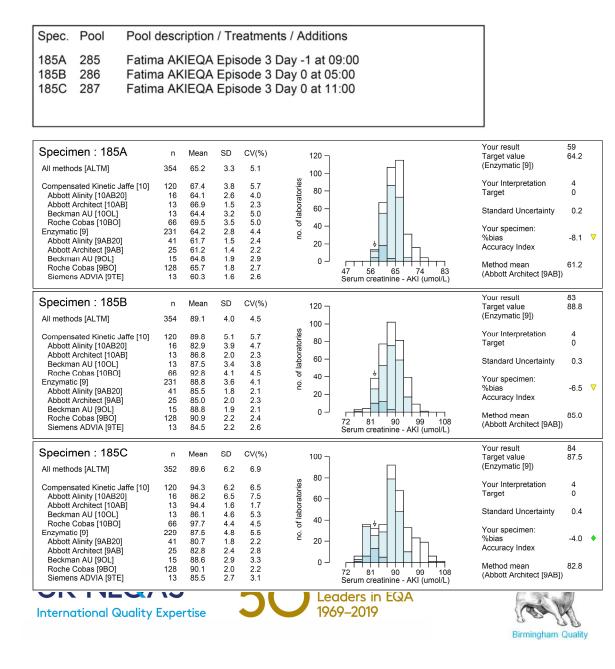
10AB20 -

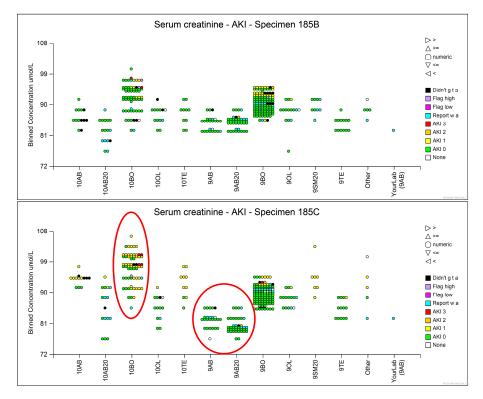


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### Conclusion

- Technically challenging for laboratory to process the EQA and also for us, the EQA provider
- Well received and makes EQA a bit more fun!



