

19 June 2024

## **Clinical Chemistry Practices**

**I seek the following information regarding the clinical chemistry practices within the Trust.**

**1) What is the current assay used for urinary cortisol when determining a urine cortisol: creatinine ratio (UCCR). I.e. an immunological assay (if so which), or a liquid chromatography tandem mass spectrometry assay?**

Currently analysed at Salford Royal Hospital Biochemistry Department by liquid chromatography-tandem mass spectrometry.

**2) Does the lab have a reference range for a randomly timed UCCR or only a 'first void' Early Morning Urine UCCR?**

Reference range available for first void early morning only, which is reported as part of a 28 day series.

**3) What was the methodology used to calculate the reference range or ranges in question '2'.**

Reference range derived from in-house studies (PhD thesis)

**4) Does the trust have a different reference range for Adults and Children's Early Morning Urine UCCR? If so what definition of an adult or child was used to differentiate between adults and children?**

No different range.