Audit of Laboratory Analyses for Xanthochromia

Health Board:

Laboratory name:

Location:

Details of individual responding:

Name: **Position:**

Contact details:

Re-audit of xanthochromia analysis (original audit 2017)

1. **Does your department provide a service for analysis of CSF xanthochromia?**

   If YES, please provide details of the testing availability within your department, e.g. between 9am-5pm.

   if NO, please provide details of where you send samples, method of transport and available time periods.

   _____

2. **Is this service centralised within your health board?**

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3. **Is this service UKAS accredited?**

   _____

4. **What instrument does your laboratory use for xanthochromia analysis?**

5. ~~**Are the following guidelines stated in your laboratory protocols and**~~ **routinely followed:**

a) samples are protected from light?

b) simultaneous serum tested for total protein and bilirubin?

c) avoidance of pneumatic tube system?

_____

6. **Are any comments noted in results relating to sample quality? e.g. not protected from light, sample bloodstained, not 12 hours post etc.**

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7. **Are IQC samples run with xanthochromia analysis?**

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8. **Which IQC material is used?**

_____

9. **How often are IQC samples run?**

_____

10. **How often is your instrument calibrated?**

_____

11. **What calibration material is used?**

_____

12. **Please describe the calibration process.**

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New questions regarding the ongoing utility of xanthochromia analysis.

It is understood that some of these questions may be more difficult to answer and involve some analysis of LIMS/clinical information however any information that you are able to provide would be much appreciated.

13. How many xanthochromia requests were processed by the lab in the last 3 months (e.g. July – September 2023)?*

***Note that this is based on a workload of 20-30 samples a month – if this is too much data for your lab then reduce the timescale as appropriate.**

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14. If known, how many patients had a negative CT scan prior to CSF collection (> 6 hours after event)?

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15. If known, did any patients have a negative CT scan <u>within</u> 6 hours of symptom onset?

_____

16. How many requests were inappropriate i.e. subarachnoid haemorrhage (SAH) not part of differential diagnosis?

_____

17. How many results were:

a) Negative

_____

b) Equivocal/inconclusive

_____

c) Positive

_____

18. If known, how many patients with a POSITIVE xanthochromia were subsequently given a diagnosis of subarachnoid haemorrhage (SAH)?

_____

19. If known, how many patients with a POSITIVE xanthochromia were NOT subsequently given a diagnosis of subarachnoid haemorrhage(SAH) i.e. false positives and what was the diagnosis?

_____

Please email your response to lindsay.graham4@nhs.scot by 1st June 2024