The Association for Clinical Biochemistry & Laboratory Medicine
Scotland Audit Group

Audit of Laboratory Analyses for PSA

Health Board:

Laboratory name:

Location:

Details of individual responding:

Name: **Position:**

Contact details:

PSA Analysis

1. **Which manufacturer is used for measurement of PSA by your laboratory?**

_____

2. **Does your laboratory measure total or free testosterone?**

_____

3. **What units are used by your laboratory?**

_____

4. **What is the limit of detection of your PSA assay?**

_____

5. **What is the upper limit of linearity of your PSA assay?**

_____

Requesting PSA

6. **Do you have electronic ordering?**

☐ = yes

☐ = no (go to Q7)

Do you ask any questions at the point of request?

☐ = yes

☐ = no

If yes, what are these?

Question 1: _____

_____

Question 2: _____

_____

Question 3: _____

_____

7. **What actions are taken when PSA is requested in a woman?**

_____

Reporting PSA

8. **Does your laboratory use age-related reference intervals? If so, what are these:**

   Age _____ **to** _____ **=** _____

   Age _____ **to** _____ **=** _____

   Age _____ **to** _____ **=** _____

   Age _____ **to** _____ **=** _____

9. **How many decimal places does your laboratory report PSA to?**

   _____

10. **What lower reporting limit does your laboratory use for PSA?**

    _____

11. **Does your lab IT system have the capacity to apply a different reference range for patients who have had a surgical radical prostatectomy?**

    ☐ = yes

    ☐ = no

    If yes, what is the reference range?

    _____

12. **Does your laboratory comment on PSA levels post radical prostatectomy?**

    ☐ = yes

    ☐ = no

    _____

13. **For indicating/ determining biochemical recurrence of prostate cancer, above what value of PSA has the manufacturer recommended to be used in post-radical prostatectomy patients?**

    _____

14. Does your LIMS system carry out delta checks for PSA levels?

☐ = yes

☐ = no

If yes, what absolute change and what time interval would trigger a delta check alert?

_____

15. Does your laboratory report or comment on PSA velocity?

☐ = yes

☐ = no

If yes, how is this calculated and reported?

_____

_____

16. Are there any other criteria that cause PSA results to be held for review by a clinical biochemist prior to authorisation?

☐ = yes

☐ = no

If yes, what are these criteria?

_____

_____

_____

17. Does your laboratory adjust the PSA level when a patient is known to take finasteride?

☐ = yes

☐ = no

If yes, what adjustment is made?

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18. **Does your lab have a protocol for analysing PSA results in transgender patients?**

☐ = yes

☐ = no

If yes, can you briefly describe the protocol?

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19. **Do you report PSA directly to any patient groups?**

☐ = yes

☐ = no

If yes, can you briefly describe how?

If not, are there any plans to do so?

Please email your response to harriet.hale@nhslothian.scot.nhs.uk by 24th December 2022