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Summary of Significant Changes at this Revision

CR5107 Clarify the use of the lancet and Add Widcombe and No45 Location

<p>Purpose and Scope</p> <p>The CoaguChek XS used in a POCT setting is to give an instant measurement of the anticoagulant status of the patient. The INR can be used for anticoagulant monitoring and for checking anticoagulant status of patients prior to surgery. The CoaguChek XS must only be used by appropriately trained staff.</p>	<p>Items Required</p> <p>CoaguChek XS Gloves Waste bin Lancets Test strips</p>
<p>Definitions and Abbreviations</p> <p>INR – International normalised ratio</p>	<p>Grade / Qualifications All competent staff</p> <p>Competencies Required Current Version of: QMS/FM/POCT/58</p>

Risk Assessment:
 Current Version of: QMS/RA/HA/58

STANDARD OPERATING PROCEDURE QMS/SOP/POCT/43/7

Title: Coaguchek XS SOP

Effective date: 21.2.2018

The Coaguchek XS used in a POCT setting is to give an instant measurement of the anticoagulant status of the patient

Storage of reagents

Test strips can be stored at room temperature

Method**Preparing for test**

Wash hands – self and patient

Apply gloves

Prepare lancet- remove protective cover.

Remember to close strip container immediately removing strip

Ensure patient is aware of procedure

Performing the test

Insert strip – meter turns on automatically when strip is inserted

Check battery level

Ensure number displayed is identical to the code number printed on the test strip container

Press M button once, after checking the code is correct

Warm the strip up (the hour glass flashes once the strip is almost warm)

Once strip is almost ready a 120 second count down will begin.

Gently massage patient finger before placing the lancet firmly on the fleshy part of the thumb and pressing the button on the lancet to release and stab the thumb.

Squeeze the thumb gently until a drop of blood gathers

Apply blood drop to the strip within 15 seconds

When enough blood has been applied the droplet on the display disappears

QC will appear, once it has finished a tick will appear next to QC

Hour glass will then flash until results are displayed

Document results on spreadsheet and record on patients notes (noting that the result is from the Coaguchek).

If insufficient blood can be obtained from the patient, record this in the patients notes and on the result log, FM/POCT/26

Any INR of 4.5 or greater must be checked, by sending a citrate sample to the Haematology department.

End of test

Remove strip and dispose of in clinical waste bin.

Press on / off button to turn monitor off.

Quality control

External quality control samples are to be run every 3 months in line with NEQAS

Quality control results need to be retained for the life time of the analyser.

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Health and Safety

In addition to the local Health and Safety policy, the following measures must be taken.

1. Gloves must be worn by all staff performing the finger prick technique.
2. Dispose of gloves in an appropriate clinical waste bin and replace with a new pair.
3. All sharps must be disposed of in a sharps bin.
4. If the machine is contaminated with blood, wipe with an alcohol base wipe.
5. After use, wipe machine down with an alcohol based wipe before storing away.

Trouble Shooting

Report any problems to the senior nurse on duty, discontinue using until a Sister is available.

Error 6 displaying –An error has occurred in the measurement process. Turn off coaguChek, repeat measurement with a new strip. Ensure that the patients finger is not squeezed, do not touch test strip during the measurement.

If error 6 warning displays again, Inform Roche of the incident (Telephone 0808 100 19 20) and send citrate sample to laboratory for urgent INR testing. There is a remote possibility that the patient has a high INR.

If an urgent INR is required, obtain a venous citrate sample and send to the laboratory.

If for any reason the result obtained is unexpected, (either too high or too low), always send a venous citrate sample to the laboratory.

Copy number	Location held
1	Eye Ward
2	No 18 Oldfield park surgery
3	Newbridge surgery
4	Pulteney Street surgery
5	Gastro
6	Weston Surgery
7	Widcombe Surgery
8	No45 Oldfield surgery