

## **Instructions for undertaking the 'Emergency' testing element of Exercise 24R5    Closing date 10/06/24**

### **Introduction**

The emergency element of exercise 24R5 is separate to the routine EQA exercise, which should be undertaken and reported via the UK NEQAS data entry web page ([www.ukneqasbtlp.org](http://www.ukneqasbtlp.org)) in the usual way.

The emergency testing is to be undertaken on the additional sample provided for a patient (Shirley Knott, female, aged 24, fall from height), up to the point where blood would be issued at 10 minutes. Results of the emergency testing are to be recorded retrospectively via SurveyMonkey, with details of the testing. The SurveyMonkey questionnaire also includes questions regarding provision of red cells and other components.

### **Material provided**

- A whole blood sample for Shirley Knott
- A request card for Shirley Knott

There is no date and time on the sample or request, but please take this to be five minutes before the date / time that you undertake the testing.

### **Testing scenario**

You are working alone outside of core hours (or alone within core hours if your laboratory does not operate outside of core hours). You receive a sample and request to provide four units of red cells within 10 minutes (i.e. there is not enough time to complete a routine group and screen) for a patient (Shirley Knott, female, aged 24) with multiple injuries following a fall from height. You have no historical records for Shirley Knott, and a second (group check) sample is not available within 10 minutes. Assume that the request falls within your usual protocols for urgent provision of red cells but does not trigger your major haemorrhage protocol.

### **Theoretical scenario**

The red cells are collected at 10 minutes and a second sample from Shirley Knott is delivered at the same time, with a request for a further 6 units of red cells within a further 30 minutes, and also for FFP and platelets as soon as possible. The second sample is adequately labelled with the same details as the first sample, and on testing, gives an identical group and a negative antibody screen. N.B. if a group was not obtained on the first sample within 10 minutes, in order to proceed with the questionnaire, perform/complete this testing now to obtain the first group

In this scenario you have red cells and FFP of all groups in stock, and two pools of platelets (one group O D negative and the other group A D positive), either as stock or awaiting transfusion for other patients the following day

## Instructions

- Book the sample into your system in the same way as a clinical sample, if possible.
- Undertake whatever testing you would normally perform on the sample to provide red cells within 10 minutes and document results in the same way as you would normally document emergency testing, e.g. on the computer and/or on the request form.

## Reporting results and completing questionnaire

- Retrospectively enter results of emergency testing and complete the questionnaire via the SurveyMonkey link <https://www.surveymonkey.com/r/24R5> (also available on the routine web entry page). This includes:
  - Results and details of testing within 10 minutes
  - Questions re provision of red cells and components for Shirley Knott with demographics details provided on sample/request.
  - ***No further testing is required***, but the questions relating to provision of red cells and components are then repeated assuming Shirley Knott (with the same testing results and clinical details), had different demographic details, i.e.
    - Shirley Knott, male, aged 14
    - Shirley Knott, female aged 59