



Title:

24/7/365 SNBTS Blood Bank Capability

Purpose:

This policy describes the laboratory capabilities that would generally be expected to be available during Day Shift, Back Shift, Night Shift, at weekends and during Public Holidays in the 5 SNBTS Clinical Blood Transfusion Laboratories based in Aberdeen Royal Infirmary, Edinburgh Royal Infirmary, Gartnavel Hospital, Glasgow, Ninewells Hospital, Dundee, and Raigmore Hospital, Inverness.

Related Documents

- SNBTS National Clinical Policies
- SNBTS National Clinical SOPs
- SNBTS Blood Bank Technical Manual
- SNBTS Residual Site Specific Clinical SOPs during transition

Background

SNBTS Clinical Blood Transfusion Laboratories have been progressively implementing a programme to harmonise the approaches used to deliver the clinical transfusion service within SNBTS Blood Transfusion Laboratories. Achieving this key strategic objective will support the delivery of service in these laboratories that is patient focused. Harmonisation will also assist in ensuring that the service is robust, resilient, and agile, and will support the delivery of a service that is fully compliant with regulatory requirements.

Defining the 24/7/365 capabilities of the SNBTS Clinical Blood Transfusion Laboratories will also assist in:

- a; Delivery of equity of care
- b. Defining the training and competency requirements of laboratory personnel
- c. The on-going delivery and development of a SNBTS Medical Staff On Call service

Key Change From Previous Revision:

New Policy

Policy Agreement	CGSC: 2 nd June 2015	SMT: N/A
Supersedes Policy Ref:	N/A	
Date Of Implementation:	30 th June 2015	



Principles

The purpose of this document is to provide a broad overview of the capabilities that can reasonably be expected to be delivered by a SNBTS Clinical Blood Transfusion Laboratory on a 24/7/365 basis.

It must be appreciated that the requirements/capabilities may vary depending upon the clinical situation, the clinical priority, the overall clinical demand for laboratory services, and staffing levels within the laboratory.

This has been partially addressed by indicating where medical input would be desirable.

The driving principles for the SNBTS Clinical Transfusion Laboratory 24/7/365 capability are:

- a. The service provided must be both safe and effective.
- b. It meets the needs of patients being treated in Scotland.
- c. It must deliver equity of care.
- d. The laboratories must be fully compliant with MHRA and UKAS requirements
- e. The staff competencies and staffing levels must be sufficient to deliver this capability
- f. The service provided must be sufficiently robust and resilient to ensure that it can be relied upon to operate effectively.
- g. The service must also be capable of change as the clinical environment evolves.

Details of the 24/7/365 capability of SNBTS Clinical Transfusion laboratories are outlined in the table below.



Appendix 1:

24/7/365 Blood Bank Capability

TEST /Activity	CORE hours Mon-Fri (0900-1700)	BACKSHIFT Mon-Fri (1700-2200)	SAT/SUN/ P.Hol (0800-1700)	NIGHT SHIFT (Outwith Core, Backshift, & Weekend Dayshift)
Group & Save	√	√	√	√
Crossmatch	√	√	√	√
Antibody Investigation	√	√	√	√
Patient/donor phenotype	√	√	√	√
DAT	√	√	√	√
Antenatal testing	√			
Antibody titrations (a/natal)	√			
Anti-D and anti-c levels (IU)	√			
Neonatal group/DAT	√	√	√	√
FMH (Kleihauer)	According to Local Protocol			
FMH (Flow)	√			
Neonatal grouping for anti-D prophylaxis	√	√	√	√
Anti-A/Anti-B titre* (renal)	√	*	*	*
Transfusion reaction *	√	*	*	*
Elution (Tx reaction)*	√	*	*	*
Alloabsorption *	√	*	*	*
Elution (AIHA) *	√	*	*	*
Cold agglutinin/PCH investigation *	√	*	*	*
Diamed HIT test* (Edi,Gla,Dun)	According to Local Protocol			
Elisa HIT test (Edi,Gla,Dun)	According to Local Protocol			
Blood group genotype	√			
Transfusion related HLA/HPA genotype and antibody identification	√			
Component recalls	√	√	√	√
Receipt/ordering of blood stocks	√	√	√	√
Responding to temperature monitoring alarms	√	√	√	√
Raising Quality incidents	√	√	√	√
Component/product issue	√	√	√	√

*For outside core hours medical input is required.

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