

## **Purpose**

This document provides an index of all available NHS Lothian blood transfusion guidelines, procedures, policies and associated materials. It also provides references which inform the [NHS Lothian Transfusion Policy](#) and [associated materials](#) and suggests further resources that may be helpful.

The NHS Lothian Transfusion Committee is responsible for the approval of NHS Lothian blood transfusion guidelines and procedures.

## **NHS Lothian Blood Transfusion Guidelines:**

[Roles and responsibilities in blood transfusion](#)

[Adverse reactions to blood components](#)

[Blood components and storage and handling requirements](#)

[Practical aspects of blood component transfusion](#)

[Blood transfusion in NHS Lothian community hospital settings](#)

[Transfer of blood between departments and sites](#)

[Special requirements in blood transfusion](#)

[Neonatal transfusion practice](#)

[Blood products](#)

## **NHS Lothian Blood Transfusion Procedures:**

[Description of service, information and advice, infection control](#)

[The blood transfusion process](#)

[Obtaining blood components in an emergency](#)

[Patient identification requirements for transfusion](#)

[Transfusion education and training](#)

[Practical competency assessment for blood collectors](#)

[Decision to transfuse](#)

[Patient information and shared decision making](#)

[Consent for transfusion](#)

[Written authorisation to transfuse a blood component](#)

[Requesting a blood component from the transfusion laboratory](#)

[Blood samples for pre-transfusion testing](#)

[Maternal and cord blood samples at birth](#)

[Collection and delivery of blood components](#)

[Administration of blood components](#)

[Monitoring of patient during and following transfusion](#)

[Reporting adverse events and reactions](#)

[Completion of transfusion episode and associated documentation](#)

## **NHS Lothian Blood Transfusion Associated Materials:**

[NHS Lothian Blood Transfusion Policy](#) *approved by the NHS Lothian Policy Approval Group, October 2023*

[NHS Lothian Major Haemorrhage Protocol](#) *approved by NHS Lothian Transfusion Committee, June 2020*

[NHS Lothian Resources for Managing Patients who Refuse Blood \(including Jehovah's Witnesses\)](#) *approved by NHS Lothian Transfusion Committee, December 2020*

[NHS Lothian Procedure for Managing Red Blood Cell or Platelet Shortages](#) (including the role of the emergency blood management groups) *approved by NHS Lothian Transfusion Committee, June 2021*

[NHS Lothian Medical Device Policy](#) *approved by the NHS Lothian Policy Approval Group, June 2022*

[NHS Lothian \(Maternity Services\) Anti D Immunoglobulin Administration for the Prevention of Maternal Anti-D Sensitisation Guidelines](#) *approved by NHS Lothian Maternity Guideline Group, February 2023*

[NHS Lothian Beriplex \(Human Prothrombin Complex\) Adults Administration Guidance](#) [NHS Lothian Intranet] *approved by NHS Lothian Drug and Therapeutics Committee, June 2018*

[NHS Lothian Warfarin Reversal Guidance](#) [NHS Lothian Intranet] *approved by NHS Lothian Drug and Therapeutics Committee, December 2016 (reviewed January 2020)*

[NHS Lothian Clinical Guidance for the Use of Andexanet in the Rapid Reversal of Rivaroxaban and Apixaban](#) [NHS Lothian Intranet] *approved by NHS Lothian Drug and Therapeutics Committee, July 2023*

NHS Lothian Pre-operative Transfusion Sample Guideline *(in development)*

[Simpsons Centre for Reproductive Health Blood Transfusion Procedures](#) (also used by Special Care Baby Unit at St John's Hospital) *approved by Simpsons Centre for Reproductive Health Clinical Working Group (undated)*

[NHS Lothian Policy for Obtaining Consent](#) *approved by the NHS Lothian Policy Approval Group, September 2014*

[NHS Lothian Satellite Blood Fridge Policy](#) *approved by the NHS Lothian Policy Approval Group, June 2023*

[NHS Lothian Infection Prevention and Control policies and guidance \(including Management of Blood Spillages\)](#) [NHS Lothian Intranet] found in National Infection Prevention and Control Manual *approved by NHS Health Protection Scotland, May 2012*

[NHS Lothian Administration of Adrenaline \(IM\) in Life-Threatening Anaphylaxis](#) *approved by (unknown), date (unknown) – scheduled for review May 2025*

[NHS Lothian Interpretation and Translation Policy](#) *approved by the NHS Lothian Policy Approval Group, April 2019*

[NHS Lothian Patient Identification Policy and Procedures for Adults, Children and Neonates](#) *approved by NHS Lothian Clinical Policy Group, June 2013*

[NHS Lothian Adverse Event Management Policy](#) *approved by the NHS Lothian Policy Approval Group, June 2023*

[NHS Lothian Adverse Event Management Procedure](#) *approved by the NHS Lothian Corporate Management Team, June 2023*

## **Resources:**

[SNBTS Transfusion Training Matrix](#) [NHS Lothian Intranet]

Learnbloodtransfusion (LBT) Education Programme [www.learnbloodtransfusion.org.uk](http://www.learnbloodtransfusion.org.uk) (also accessed via [NHS Learnpro](#) on the NHS Lothian intranet and via medical education website at <https://www.med.scot.nhs.uk/>)

[www.healthliteracyplace.org.uk/tools-and-techniques/techniques/teach-back/](http://www.healthliteracyplace.org.uk/tools-and-techniques/techniques/teach-back/)

[www.teachbacktraining.org](http://www.teachbacktraining.org)

Additional NHS Lothian transfusion information can be found on the Blood Transfusion pages of the NHS Lothian intranet (Directory > Blood Transfusion) – please go to:

<http://intranet.lothian.scot.nhs.uk/NHSLothian/Healthcare/A-Z/Laboratories/BloodTrans/Pages/BloodTransfusion.aspx>

## References:

[\*Serious Hazards of Transfusion Annual Reports: SHOT office\*](#), Manchester Blood Centre, Plymouth Grove, Manchester

[\*Handbook of Transfusion Medicine\*](#) (2013) 5th edition Ed Derek Norfolk, TSO

The <http://www.transfusionguidelines.org.uk> site is an excellent resource regarding all aspects of transfusion – including guidance materials on consent for transfusion: from homepage go to Transfusion Practice > Consent for Blood Transfusion

British Society for Haematology (BSH) guidelines accessed at [www.b-s-h.org.uk](http://www.b-s-h.org.uk) (search under guidelines then category ‘transfusion’, including:

- British Society for Haematology (2017) [\*Administration of blood components\*](#)
- British Society for Haematology (2016) [\*Guidelines on transfusion for fetuses, neonates and older children\*](#)
- British Society for Haematology (2023) [\*Guideline on the investigation and management of acute transfusion reactions\*](#)
- British Society for Haematology (2022) [\*Haematological management of major haemorrhage\*](#)
- British Committee for Standards in Haematology (2020) [\*Guidelines on of the use of irradiated blood components\*](#)
- British Society for Haematology (2018) [\*Spectrum of fresh-frozen plasma and cryoprecipitate products: their handling and use in various patient groups in the absence of major haemorrhage\*](#)
- British Society for Haematology (2016) [\*Use of platelet transfusions\*](#)
- British Society for Haematology (2006) [\*Guidance for policies on alternatives to allogeneic blood transfusion\*](#)
- British Society for Haematology (2012) [\*Guidelines for pre-transfusion compatibility procedures in blood transfusion laboratories\*](#)
- British Society for Haematology (2014) [\*Guidelines for the use of anti-D immunoglobulin for the prevention of haemolytic disease of the fetus and newborn\*](#)

NICE (The National Institute for Health and Care Excellence) (2015) [\*Guideline NG24 on Blood Transfusion\*](#)

[Blood Safety and Quality Regulations \(UK\)](#) (2005) HMSO

[The Blood Safety and Quality \(Amendment\) \(EU Exit\) Regulations](#) (2019)

The Scottish Office Department of Health NHS MEL (1999) 9 [Better Blood Transfusion](#)

Safety of Blood Tissues and Organs (SaBTO) (2020) [Patient consent for blood transfusion](#)

Scottish Executive Health Department NHS HDL (2005) 25: [1. Scottish National Blood Transfusion Service \(SNBTS\) – Blood Express Project; 2. EU Directive – Blood Safety and Quality Regulations 2005; 3. Emergency Planning – An Integrated Plan for the Management of Blood Shortages](#)

RCN Guideline for Improving Transfusion Practice (2013) [Right blood, right patient, right time](#) Royal College of Nursing (Third Edition)