

Practical Introduction to Transfusion Science

WHO IS THIS FOR?

Band's 4 or 5:

- Healthcare/Biomedical Scientist trainees
- Healthcare/Biomedical Scientists from multi-disciplinary pathology laboratories who require basic transfusion science laboratory knowledge/skills
- Healthcare/Biomedical Scientists with limited knowledge of blood transfusion science or who are returning to work from a career break

Structure

Five days (1 week)

THE AIM OF THE PROGRAMME

To provide an introduction to the underpinning knowledge of the routine practical techniques used within a transfusion laboratory, together with some basic practical experience of routine transfusion techniques.

WHAT YOU WILL LEARN?

- Perform basic ABO and RhD grouping by appropriate techniques and interpret results and data
- Perform antibody screening & identification and correctly identify samples containing an irregular antibody
- Perform a serological crossmatch and identify incompatible units as well as those suitable for transfusion
- Have a greater understanding of the basic underpinning knowledge required to carry out these techniques

WHAT DOES THIS PROGRAMME COVER?

- Red cell antigens and antibodies
- Basic ABO, Rh and other major blood group information
- Antibody screening and basic antibody identification methods
- Pre-transfusion testing guidelines
- Basic 'blood group serology' techniques
- Provision of blood components
- Hazards of transfusion

BEFORE ATTENDING YOU SHOULD

- Attendees should be working in a hospital pathology laboratory or NHSBT laboratory and have a basic knowledge of laboratory procedures and health and safety

PRE-COURSEWORK / LEARNING MATERIALS

There is no pre-coursework to complete for this programme. You will be sent all relevant materials 4-6 weeks before your programme date.

There is an assessment as part of this programme.

Course Times / Locations

10.00am – 16.00pm

Various NHSBT centres across England

- ❖ Dates and locations can be viewed on our [Programme Diary](#)

Further information...

To book a place on this course please complete the [registration form](#)

For enquiries, email HRDirect@nhsbt.nhs.uk