



Blood and Transplant

Scientific and Technical Training

**Professional Education and
Training Prospectus
2010**

June 2010

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Welcome to the Scientific and Technical Training Professional Education and Training Prospectus for 2010.

Changes this year

Transfusion Science

We have introduced two new courses to our portfolio.

- 1 Components awareness - a basic introduction to blood and blood components
- 2 Introduction to reference blood and transplant services – an introduction to specialist reference and diagnostic services in NHSBT

Transfusion Medicine

In conjunction with the Royal College of Pathologists Transfusion Training Group we have revised the courses in transfusion medicine. Instead of a one (or two) day Introductory course and a four week Intermediate course we now run a one week Essential Transfusion Medicine course and a three week Intermediate Transfusion Medicine course for Specialty Registrars in Haematology.

Whilst Modernising Scientific Careers (MSC) is on the horizon the first new university courses accredited for MSC that replace the biomedical science degree are not expected to start until autumn 2011 (apart from Genetics). For now, courses and qualifications remain as previously mapped to different Agenda for Change paybands. When more information is available on MSC it will be incorporated into this prospectus. (Course proformas have an indicative Agenda for Change banding, which should assist in selecting the right level. Courses are also mapped to the dimensions of the NHS Knowledge and Skills Framework.)

This prospectus has separate sections on 1) education and training in transfusion science, 2) improving professional effectiveness and 3) education and training in transfusion medicine. Thanks go to the specialist lecturers who contribute to the delivery of many of the courses in this prospectus.





















Our course calendar, giving dates and locations of courses, can be found on the intranet at http://nhsbtweb/resources/training/scientific & technical/courses_diary.pdf

For further information on any of our courses please look at our intranet pages: http://nhsbtweb/resources/training/scientific & technical/course_proformas.asp

Further resources including booklets on Basic Technical Information for NHSBT staff, GMP - A Brief Guide, and A Short History of Blood Transfusion can also be found on the intranet



The Scientific and Technical Training Team

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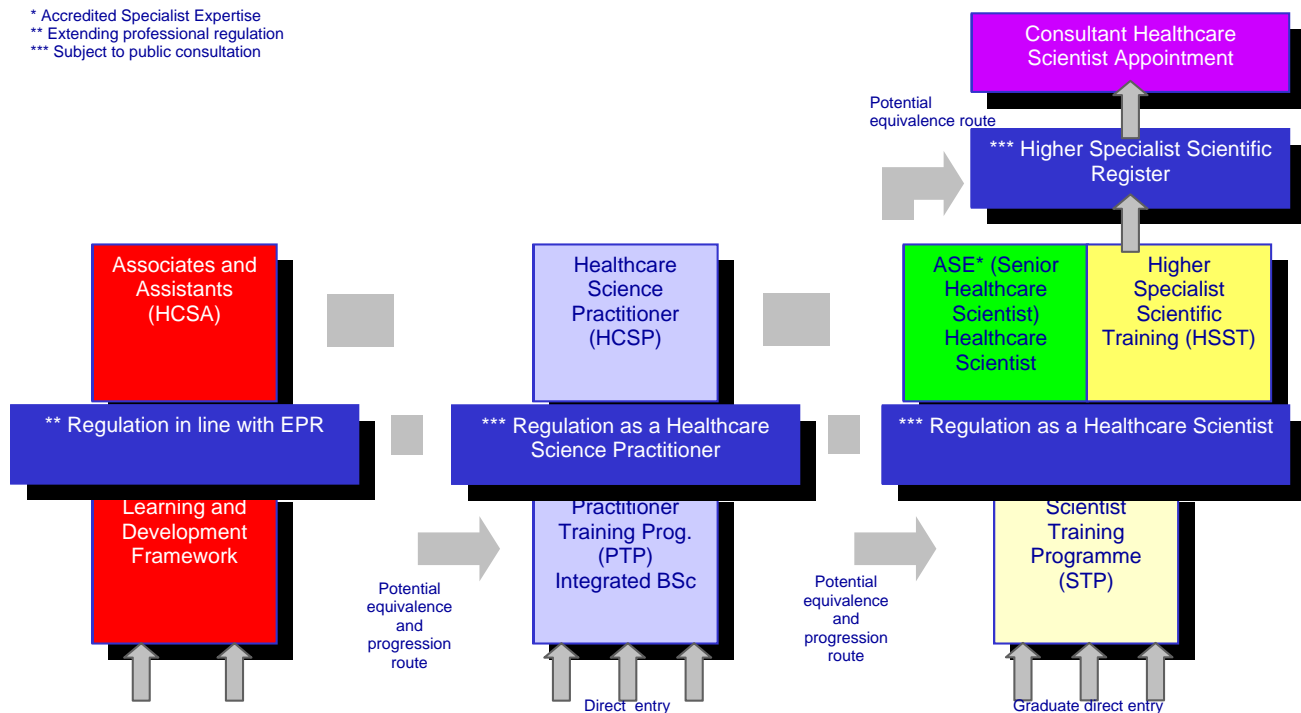
Education and Training in Transfusion Science

The Healthcare Science Career Pathway

NHSBT offers development opportunities to enable progression along the career pathway for healthcare scientists as required by the Department of Health in *Making the Change* (1). To support progression of staff along the career pathway we suggest how our scientific courses link to specific educational qualifications required by healthcare scientists at different Agenda for Change paybands. This may change when Modernising Scientific Careers (2) (MSC) is fully implemented. The first degrees to replace biomedical science degrees are expected to start in autumn 2011

Modernising Scientific Careers: Career and Training Pathways

* Accredited Specialist Expertise
 ** Extending professional regulation
 *** Subject to public consultation



Much of the detail on MSC is not yet available however it is expected that there will be a mechanism to accredit staff with existing qualifications and registration as biomedical scientist or clinical scientist onto the new pathway. Similarly there is little information about higher levels of career development yet. Once this is known this will be added to the prospectus

Qualifications for healthcare scientists

NVQS

STT in conjunction with Learning and Development currently offer a level 2 NVQ in Clinical Laboratory Support. To date 55 staff have completed this qualification. We are also piloting the new level 3 NVQ in Health (Pathology Support Pathway) and level 2 and level 3 NVQs in Business Improvement Techniques. These qualifications will change when accredited for the Qualifications and Credit Framework later in 2010, so we will keep them under review until this work is completed. We will continue to offer the level 2 NVQ in Clinical Laboratory Support until then

Foundation Degree

To date NHSBT has had 21 members of staff complete the Foundation Degree in Applied Blood and Tissues (3). We currently have 43 students working towards this qualification.

Our university partners



University of
Chester

Faculty of Health and Social Care Sciences
KINGSTON UNIVERSITY • ST GEORGE'S, UNIVERSITY OF LONDON



Registration with the Health Professions Council

All biomedical scientists and clinical scientists are required by law to be registered with the Health Professions Council, HPC. It is also mandatory that they take part in Continuing Professional Development. STT provide support and advice to staff on the route to registration and provide tutorials to prepare trainees for their final assessment as biomedical scientists. Until MSC is fully implemented HPC registration as biomedical scientist or clinical scientist is still required for professional healthcare scientific staff

Registration with the Voluntary Registration Council

The British Association of Tissue Banking (BATB) are intending that Tissue Bankers will eventually be regulated via the HPC. In preparation for this Tissues staff are being encouraged to register initially as Tissue Banking Technologists with the Voluntary Registration Council. STT funds the assessment fee for this



Professional Certificates and Diplomas

STT educational courses in Transfusion Science have been aligned with the BBTS Specialist Certificate in Transfusion and the IBMS Specialist Diploma. STT funds these along with the BSHI Specialist Diploma for staff in H&I and the new BBTS/BATB Specialist Certificate in Cell and Tissue Transplantation Science via the *NHSBT Education Support Policy* (4).



There is a well established training scheme with the British Society for Histocompatibility and Immunogenetics (BSHI) for H&I clinical scientists.

Support for Higher Degrees

STT provides advice and support for higher level scientific qualifications, such as Masters degrees, PhDs and taught doctorates. We also provide guidance on how to comply with the *NHS Research Governance Framework* (5) for all student research projects.

Continuing Professional Development (CPD)

CPD events are run at most blood centres, in the form of lunchtime lectures, journal clubs and discussion groups as well as some evening seminars and meetings. On-line professional journals are a relatively new and important resource available to staff for CPD and to support learning and development for their KSF personal development plans. Further details on: http://nhsbtweb/resources/training/scientific_&technical/index.asp

Courses in Transfusion Science

Course title	Overview
Blood Centre Tour [1/2 day]	A basic introduction to the roles and functions of the different laboratories and departments in a blood centre
Component Awareness [1 day]	To provide the theoretical knowledge required to ensure component safety
Introduction to Blood and Transplant Services [1 day]	NHSBT's core purpose is "to save and improve lives". This course provides an overview of the core services and how these benefit patients
Introduction to Reference Blood and Transplant Services [1 day]	In addition to core services NHSBT provides specialist diagnostics and reference services. This course introduces these
Transfusion Matters [1 day]	The roles of the Hospital Transfusion Laboratory and support provided by NHSBT Specialist Services are explained
Registration Portfolio Training for Students [2 days]	To provide advice and guidance to students on how to successfully put together an IBMS Registration Portfolio. Examples of appropriate evidence which demonstrate knowledge and competency are discussed
Portfolio Training for Training Officers [1 day]	Support for IBMS Training Officers, trainers and mentors to enable them to assist laboratory staff to complete their training portfolios effectively
Practical Introduction to Transfusion Science (Specific Topics – see course calendar) [5 days]	An introduction to the knowledge underpinning routine practical techniques used in a transfusion laboratory, together with hands on experience of some of the techniques
Specialist Transfusion Science Theory (Modular topics) [5 days]	The theory behind a variety of blood transfusion topics to the level expected of an HPC-registered specialist practitioner working in transfusion
Specialist Transfusion Science Practice (Specific Topics – see course calendar)	Practical experience of some of the more complex serological techniques and procedures carried out in a transfusion laboratory and the theory behind them. Course duration will depend on the specific topic of study (1-5 days)
Advanced Specialist Transfusion Science (Specific Topics – see course calendar)	Focus on complex and advanced case studies experienced in a hospital transfusion laboratory or a red cell immunohaematology laboratory, and the supporting theory
Transfusion Microbiology – Theory and Practical [3 days]	To provide general and specific theoretical knowledge of immunology and microbiology with specific reference to transfusion related organisms and their detection

Qualifications and Support for Healthcare Science Career Progression

STT is committed to supporting progression along the career pathway (6). The table below provides general guidance at to appropriate qualifications at different Agenda for Change paybands and STT courses to support staff at that level

Course	Scientific Qualifications	AfC Band	Management Qualifications
Portfolio Training for Training Officers Advanced Specialist Transfusion Science;	MRCPath; Taught doctorate; PhD; IBMS Advanced Diploma	8d 8c 8b 8a	MBA or MPA; Management Masters degree
	IBMS Higher Specialist Diploma; IBMS Diploma of Extended Practice; HPC registration (CS); Scientific Masters degree	7	
	BSHI Diploma; IBMS Certificate of Extended Practice; IBMS Specialist Portfolio; BBTS Specialist Certificate	6	
Introduction to Clinical Audit; Specialist Transfusion Science Theory; Specialist Transfusion Science Practice	HPC registration (BMS); BMS degree or BSc plus top up modules; BSc degree	5	ILM Certificate in First Line Management
Registration Portfolio Training for Students			
Practical Introduction to Transfusion Science; Transfusion Microbiology - Theory and Practical; Transfusion Matters Introduction to Reference Blood & Transplant Services	Levels 1 & 2 of BSc degree; Foundation degree	4	ILM Award in First Line Management
Component Awareness; Introduction to Blood and Transplant Services; Blood Centre Tour	Level 1 of Foundation Degree; NVQ	3	
	NVQ	2	

Improving Professional Effectiveness

Through CPD and lifelong learning all healthcare professionals are required to keep up to date with new developments in their professional area and improve and acquire new knowledge and skills to fulfil KSF personal development plans.

Resources available to staff to support this include workshops on research related skills and clinical audit, as well as the resources available through the Library Resource Programme. The Statistics and Clinical Audit service of NHSBT team, lead by Professor Dave Collett, can provide advice on all aspects of the design of experimental and observational studies, as well as resources for the management and analysis of the resulting data.

Research Workshops

Workshops in various aspects of research can be arranged by the STT team. These are no longer timetabled for the year but can be arranged on request for groups of staff. Topics include planning a research project, presenting papers and posters at scientific conferences, writing up research for publication in refereed journals. Contact Ruth Evans for further details.

Ruth.evans@nhsbt.nhs.uk

Phone: 27343

Clinical Audit Training

Staff in the Clinical Audit team run a half day workshop entitled Introduction to Clinical Audit. (See proforma within these pages). They can also provide Advanced Clinical Audit training. Contact Marc Lyon for further details.

Marc.lyon@nhsbt.nhs.uk

Phone: 58705

Statistics and Clinical Audit

In any research study it is important to obtain meaningful results. How many patients do I need in my study? How do I design the study? How do I input the data? What statistical tests are appropriate? How do I interpret the results given in computer output? How can I obtain a p-value? How much detail is needed in my research paper?

In all cases, it is essential that a statistician is consulted very early in the development of a study protocol. They can then help in preparing statistical aspects of the research proposal, ensure that any statistical input is properly costed and that resources are available when the data collection process is complete. For further information, contact Dave Collett (dave.collett@nhsbt.nhs.uk) or Frances Seeney (frances.seeney@nhsbt.nhs.uk).

Library Resource Programme

National Loan Collection

All NHSBT staff can register with the Library Resources Programme in order to access the on-line library catalogue. This enables staff to view details of books and materials held in the library and request loans of books etc. These are sent out by post or using normal deliveries between centres. The National Loan Collection is managed by Jane Cawkwell. Jane.cawkwell@nhsbt.nhs.uk
Phone 27345

Further details are also available on the intranet at:

http://nhsbtweb/resources/library_resource_area/online_catalogue/index.asp

Professional Journals

There is now a central budget for the purchase of professional journals. This has greatly improved access for all staff regardless of which centre they are based in. Access to electronic resources is invaluable for staff seeking to develop their knowledge and skills (for KSF personal development plans), for lifelong learning and to support continuing professional development of scientists, doctors, nurses and managers within NHSBT

Electronic journals for 2010

Blood
Bone Marrow Transplantation
British Journal of Haematology
Cell & Tissue Banking
Current Opinion in Hematology
New England Journal of Medicine
Training Journal
Transfusion
Transfusion and Apheresis Science
Transplantation
Vox Sanguinis

Print journals in all centres for 2010

Health Service Journal
Transfusion Medicine Reviews
Transfusion Alternatives in Transfusion Medicine

Central print collection 2010

Bone Marrow Transplantation
British Journal of Haematology
Cell and Tissue Banking
Current Opinion in Hematology
Health Service Journal
Journal of Clinical Apheresis
New England Journal of Medicine
Transfusion
Transfusion Alternatives in Transfusion Medicine
Transfusion and Apheresis Science
Transfusion Medicine
Vox Sanguinis

A range of online training courses are available in accessing the online journals and include searching skills for the main databases of journals (MEDLINE and CINAHL), NHS Evidence. Further details, plus dates for 2010 can be found at:
http://nhsbtweb/resources/library_resource_area/training/index.asp

Courses to support professional effectiveness

Course title	Overview
Introduction to Clinical Audit [10am – 2pm]	To provide an introduction to clinical audit and understand its role as a quality improvement tool and its place in the clinical governance framework.
Using the NHSBT Electronic Journals Collection and other e-journals	Find out how to access the NHSBT electronic collection of journals. Learn how to log on and download articles. Learn about the NHS Evidence's Core Content collection and other free e-journals on the Internet.
Hierarchy of Evidence	Aims to provide a clear methodology for identifying quality evidence-based research, guidelines, etc. and equips the student with a progressive series of tools which save time in searching resources, help identify the highest quality research and can offer the searcher confidence when tackling a baffling amount of information
CINAHL for Nurses	An introduction to using CINAHL, the world's largest specialist nursing database. Understand the scope and content of the database, learn the main concepts in searching and access full text articles direct to your computer.
Introduction to Medline Searching	An introduction to the main concepts and tools for searching Medline, the world's largest medical and biomedical database.
Getting to know the NHSBT Intranet	An introductory course which aims to give a quick guided tour around the intranet portal, finding information, navigation from the home page and key tools on the portal
Introduction to NHS Evidence (formerly the National Library for Health)	The key resources available through NHS Evidence, including guidance, evidence-based resources and online journals.
Zetoc – Journal Contents, Alerts and Bibliographic Tools	Enable NHSBT staff to keep up to date with journal literature, scientific research & conference proceedings.

Education and Training in Transfusion Medicine

More information can be found on the National website here:
www.blood.co.uk/hospitals/training

As part of our commitment to improving transfusion practice, and to supporting hospitals in the implementation of *Better Blood Transfusion* 3 (7), NHSBT provides education and training in transfusion for all hospital doctors specialising in haematology in England.



The Royal College of Pathologists
Pathology: the science behind the cure

NHSBT is directly funded to provide a formal taught programme in Transfusion Medicine for ALL haematology registrars registered in England. In some parts of the country this runs alongside a rotation in a blood centre.

Course Title	Overview
Essential Transfusion Medicine [1 week]	Introduction to Transfusion Medicine as practised in a hospital for newly appointed Specialty Registrars and Transfusion Practitioners
Intermediate Transfusion Medicine [3 weeks]	Transfusion Medicine Training for Specialty Registrars and Clinical Scientists studying for MRCPPath part 1 exams
RC Path Pre-examination Revision [1 week]	Revision and exam question topic discussion session in preparation for the practical paper of MRCPPath part 2 exams

Course Proformas

BLOOD CENTRE TOUR

Indicative AfC
band:
Various

This course is intended for:

- NHS Blood and Transplant (NHSBT) staff
- Hospital pathology laboratory staff
- Hospital nurses and associated grades
- NHSBT visitors
- Blood donors who have given significant numbers of blood donations

Length of the course:

Approximately 4 - 6 hours, offered as a half-day or one-day format (i.e. dependant upon the start time)

(dependant upon location)

To get the most out of this course the attendee should have completed the following:

- NHSBT staff: must have already attended a 'Welcome Day'
- Non-NHSBT: none

The aim of the course is:

To provide basic introductory information regarding the roles and functions of a Blood Centre with particular emphasis on the laboratories.

This course covers the following topics:

- Provides a brief overview of information regarding the processing, testing and issue of blood components by a Blood Centre
- Provides a brief overview of the specialist services provided by NHSBT
- A tour of selected areas of a Blood Centre, to visibly illustrate the working practices of different laboratories / departments

By the end of the course you should be able to:

- List the basic methods used for the testing, processing and issue of blood and blood components
- Broadly identify the different departments / working areas of a Blood Centre and the relationships between them

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussion

Core reading material to help you with this course:

NHSBT staff: Welcome Day material / information

Location of course:

Various Blood Centres

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

Contributes to KSF:

C2

COMPONENT AWARENESS

Indicative AfC band:
Various

This course is intended for:

NHSBT staff working with blood components, especially those who have recently joined the Service and have little (or no) knowledge of component handling procedures

Length of the course:

Half day

To get the most out of this course the attendee should have completed the following:

NHSBT staff should have completed the Welcome Day

The aim of the course is:

To provide the theoretical knowledge required to ensure component safety

This course covers the following topics:

- NHSBT Core Purpose
- Routine and Specialised components
- Dangers of transfusion
- Procedures used to minimise dangers of transfusion
- Component handling specifications
- ABO and RhD incompatibility

By the end of the course you should be able to:

Describe the component specific dangers of transfusion and the handling procedures in place to minimise them.

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussion
- A marked quiz

Core reading material to help you with this course:

A booklet of information relating to the topics covered in the course is provided to all attendees.

Location of course:

Various Blood Centres

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of attendees

Contributes to KSF:

C2, C3, C4, C5.

INTRODUCTION TO BLOOD AND TRANSPLANT SERVICES

Indicative AfC
band:
Various

This course is intended for:

- NHSBT staff from any background, especially those who have recently joined the Service and have little (or no) knowledge of the functions of the NHSBT
- Hospital Healthcare Professionals

Length of the course:

One day

To get the most out of this course the attendee should have completed the following:

NHSBT staff should have completed the Welcome Day and preferably attended a Blood Centre Tour (see separate Proforma information).

The aim of the course is:

To provide an overview of theoretical information relating to the NHSBT core purpose, to save and improve lives, relating to their role in supplying blood / components, i.e. of getting blood from the donor to the hospital blood bank. To inform attendees of NHSBT's additional roles related to Tissue and Cord Blood Bank Services and the Plasma Fractionation Service (BPL).

This course covers the following topics:

- Donor recruitment and retention
- Donor medical selection
- The donation procedures
- Blood component preparation
- Donation testing
- Issue – Hospital Services
- Tissue and Cord Blood Bank Services
- Plasma Fractionation Service

By the end of the course you should be able to:

Broadly identify / describe the different roles and functions provided by the various areas comprising NHSBT related to blood components, tissue, stem cell and plasma product provision.

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussion
- A marked quiz

Core reading material to help you with this course:

A booklet of information relating to the topics covered in the course is provided to all attendees.

Location of course:

Various Blood Centres

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of attendees

Contributes to KSF:

C2

INTRODUCTION TO REFERENCE BLOOD AND TRANSPLANT SERVICES

Indicative AfC
band:
Various

This course is intended for:

- NHSBT staff from any background, especially those who have recently joined the Service and have little (or no) knowledge of the functions of the NHSBT
- Hospital Healthcare professionals

Length of the course:

One day

To get the most out of this course the attendee should have completed the following:

- NHSBT staff should have completed the Welcome Day and preferably attended Blood Centre tour and Introduction to Blood and Transplant Services Courses

The aim of the course is:

- To provide a theoretical overview of the reference services within NHSBT and how they specifically meet the NHSBT core purpose.

This course covers the following topics:

- Red Cell Immunohaematology
- Histocompatibility and Immunogenetics
- International Blood Group Reference Laboratory
- National Transfusion Microbiology Reference Laboratory
- Components Development Laboratory
- Stem Cell Immunotherapies

By the end of the course you should be able to:

- Be able to broadly identify/describe the different roles and functions of the Reference departments within NHSBT involved in saving and improving patient lives.

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussion
- A marked quiz

Core reading material to help you with this course:

- A booklet of information relating to the topics covered in the course is provided to all attendees.

Location of course:

Various Blood Centres

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

Contributes to KSF:

C2

TRANSFUSION MATTERS

Indicative AfC
band:
Various

This course is intended for:

- NHSBT scientific and laboratory support grade staff, especially those who have recently joined the Service
- Experienced NHSBT Blood Donation staff
- Hospital Healthcare Professionals with an interest in Blood Transfusion

Length of the course:

One day

To get the most out of this course the attendee should have completed the following:

NHSBT staff must have attended a 'Blood Centre Tour' and preferably the 'Introduction to Blood and Transplant Services' course.

The aim of the course is:

To provide an overview of the hospital's role in the transfusion process, including the roles of the hospital Transfusion Laboratory ('Blood Bank') as well as some of NHSBT's specialist services in supporting this process.

This course covers the following topics:

- The indications for transfusing the patient and requesting a transfusion
- The roles of the Transfusion Laboratory in providing blood and components for the patient
- Administration of the transfusion and overview of the causes of adverse reactions
- The role of NHSBT specialist services in provision of a safe transfusion

By the end of the course you should be able to:

- List the mechanism and processes involved in the transfusion of a patient in a hospital environment
- Identify the roles and functions of the hospital Transfusion Laboratory ('Blood Bank') in the safe provision of blood / components for transfusion
- Identify the roles of NHSBT's Red Cell Immunohaematology (RCI) and Histocompatibility and Immunogenetics (H&I) departments in the resolution of complex transfusion situations

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussions
- Course exercises / quizzes

Core reading material to help you with this course:

- Course handout material
- Most recent annual summary SHOT report (www.shot-uk.org)

Location of course:

Various Blood Centre / NHSBT locations

Contributes to KSF:

C2

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of attendees

REGISTRATION PORTFOLIO TRAINING FOR STUDENTS

Indicative AfC band:

5

This course is intended for:

NHSBT staff and hospital based laboratory staff (from all pathology disciplines), who are completing an IBMS Registration Portfolio and thereby obtaining a Certificate of Competence, prior to applying to the HPC for registration as a Biomedical Scientist.

Length of the course:

Two days (block)

To get the most out of this course the attendee should have completed the following:

Must have received (or at least applied for) an IBMS Certificate of Competence Registration Portfolio and preferably be in the process of acquiring evidence to support its completion.

The aim of the course is:

To provide information regarding how to successfully put together an IBMS Registration Portfolio that is suitable for assessment, together with the provision of practical examples of the different types of evidence that demonstrate knowledge and competency acquisition.

This course covers the following topics:

Via the use of workshops, exercises, interactive sessions and group discussions, provide delegates with:

- Information on the process required to successfully complete an IBMS Registration Portfolio
- Examples of different types of evidence that attendees can use for their own Portfolio
- Methods of indexing and cross-referencing evidence
- Information relating to the assessment process

By the end of the course you should be able to:

- List the requirements of the IBMS Certificate of Competence Registration Portfolio
- Select appropriate evidence for the different sections of the IBMS Registration Portfolio
- Identify different types and sources of knowledge and competency evidence

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussions
- Participation in workshops / interactive sessions, as appropriate

Core reading material to help you with this course:

- IBMS Certificate of Competence Registration Portfolio
- Information from the IBMS website: <http://www.ibms.org>
- Course workbook and handout / evidence material used on the course

Location of course:

Various Blood Centres

Contributes to KSF:

C2

HWB8

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees
- Course workshop and assignment outcomes

PORTFOLIO TRAINING FOR TRAINING OFFICERS

Indicative AfC
band:
6-8

This course is intended for:

NHSBT laboratory staff and hospital based pathology staff (of all disciplines) who are designated as Training Officers, Trainers or Mentors of people completing an IBMS Registration or Specialist Portfolio.

Length of the course:

One day

To get the most out of this course the attendee should have completed the following:

Attendees must be HPC registered as a Biomedical Scientist or Clinical Scientist and be familiar with the format and content of Registration and Specialist Portfolios issued by the IBMS.

The aim of the course is:

To provide Training Officers, Trainers and Mentors with a process overview of the requirements for the successful completion of an IBMS Registration or Specialist Portfolio by a student.

This course covers the following topics:

Via the use of workshops, exercises, interactive sessions and group discussions, provide delegates with:

- Routes to HPC registration and the acquisition of the IBMS Certificate of Competence
- Practical aids to Registration and Specialist Portfolio completion
- What constitutes evidence / Indexing and cross-referencing evidence
- Preparing for the assessment of a Portfolio

By the end of the course you should be able to:

- List the requirements for the successful completion of an IBMS Registration / Specialist Portfolio
- Recognise / select appropriate types of evidence and provide feedback and support to students who are completing a Portfolio

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussions
- Participation in role play and/or workshop interactive sessions, as appropriate

Core reading material to help you with this course:

- IBMS Registration and Specialist Portfolios
- Information from the IMBS website:
<http://www.ibms.org>
- Information from the HPC website:
<http://www.hpc-uk.org>

Location of course:

Leeds and Brentwood Blood Centres and Birmingham New Street

Contributes to KSF:

G1

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees
- Course workshop and assignment outcomes

PRACTICAL INTRODUCTION TO TRANSFUSION SCIENCE

Indicative AfC band:

4 or 5

(presented as modular topics – see course programmes)

This course is intended for:

- Healthcare scientist trainees and hospital multi-disciplinary pathology scientists requiring basic transfusion science laboratory knowledge / skills
- Healthcare scientists with limited knowledge of blood transfusion science or who are returning to work from a career break

Length of the course:

Four or five day block course or as separate one or two day topic specific modules.

To get the most out of this course the attendee should have completed the following:

Delegates should already be working in a hospital pathology laboratory or transfusion science laboratory and have a basic knowledge of laboratory safety.

The aim of the course is:

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

This course includes the following modular topics (see specific course programmes):

- Red cell antigens and antibodies
- Basic ABO, Rh and other major blood group information
- Basic 'blood group serology' techniques
- Introduction to HDFN / antenatal serology
- Antibody screening and basic antibody identification methods
- Pre-transfusion testing

By the end of the course you should be able to:

- Perform basic ABO and RhD grouping by appropriate techniques and interpret results
- Perform antibody screening by IAT and correctly identify those samples containing an irregular antibody
- Perform basic IAT serological crossmatch and identify incompatible units as well as those suitable for transfusion

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussion
- Course practicals and results interpretation exercises / assessments

Core reading material to help you with this course:

- Guidelines for compatibility procedures in blood transfusion laboratories (www.bcshguidelines.com)
- Course material / booklet and exercises provided to course attendees

Location of course:

Manchester and Bristol Blood Centres

Contributes to KSF:

HWB8
HWB10

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

SPECIALIST TRANSFUSION SCIENCE THEORY

(COURSE OPTION 1: modular topics – see course programmes)

Indicative AfC
band:
5 or 6

This course is intended for:

- HPC registered healthcare scientists working towards Specialist Practitioner status in Transfusion Science via the BBTS Specialist Certificate examination or completing an IBMS Specialist Portfolio in Transfusion Science or Haematology & Transfusion Science
- Continuing professional development opportunities for HPC registered Healthcare scientists
- Transfusion scientists returning to work after a career break

Length of the course:

Five days or as separate one day topic specific modules.

To get the most out of this course the attendee should have completed the following:

- Have a practical knowledge of routine blood transfusion laboratory techniques and have acquired a basic understanding of transfusion science
- Delegates should have attended the Blood Centre Tour / Introduction to Blood & Transplant Services / Practical Introduction to Transfusion Science courses

The aim of the course is:

To provide a more detailed theoretical understanding of transfusion science and/or add to the delegate's knowledge of the concepts of a variety of specific blood transfusion topics to the level of an HPC registered Specialist Practitioner working in transfusion.

This course includes the following modular topics (see specific course programmes):

- Basic transfusion immunology – antibodies
- Red cell antigen – antibody reactions
- Complement – *in vivo* / *in vitro*
- ABO / Rh / other major blood group systems
- Red cell antibody detection / identification
- Hazards of transfusion – SHOT/SABRE
- Antenatal serology, HDFN and RhIg prophylaxis
- Basic information regarding AIHA
- Testing of blood donations and the production, storage and use of blood components

By the end of the course you should be able to:

Describe the underpinning theoretical principles of a range of transfusion science topics and relate practical procedures used in transfusion laboratories to the appropriate specialist theoretical knowledge.

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussions
- Course exercises, data interpretation and assessments and revision material

Core reading material to help you with this course:

- Course material / exercises provided to course attendees
- The book 'An Introduction to Blood Transfusion Science and Blood Bank Practice' (BBTS)
- Relevant BBTS/BCSH transfusion guidelines

Location of course:

Manchester, Liverpool, Sheffield, Leeds and Newcastle Blood Centres

Contributes to KSF:

HWB8 / HWB10

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

SPECIALIST TRANSFUSION SCIENCE PRACTICE

Specific Topics (see course programmes)

Indicative AfC
band:
5 or 6

This course is intended for:

- Specialist practitioner HPC registered scientific staff working in a transfusion laboratory
- Laboratory staff undertaking the BBTS Specialist Certificate, IBMS Specialist Portfolio in Transfusion Science / Haematology & Transfusion Science

Length of the course:

Four or five day block course or as separate one or two day topic specific modules.

(dependant upon location)

To get the most out of this course the attendee should have completed the following:

- Prior experience of routine transfusion laboratory techniques and a knowledge of basic laboratory safety are essential
- Delegates should have attended the Blood Centre Tour / Introduction to Blood & Transplant Services / Practical Introduction to Transfusion Science courses

The aim of the course is:

To provide theoretical information and practical experience relating to some of the more complex aspects of serological techniques and procedures used within transfusion laboratories.

This course covers the following topics:

Different modular course options are provided, each of which provides underpinning knowledge and practical laboratory experience of a specific specialist transfusion science topic

HDFN:

Antenatal Serology – theory /
prac

Investigation of HDFN

RhIg prophylaxis

ANTIBODY IDENTIFICATION:

Identification using cell panels

Investigation of complex
antibody mixtures – test options

AIHA:

Theory / practical investigations

Adsorption / elution techniques

Serological problems

By the end of the course you should be able to:

Identify when and how to perform certain specialised serological laboratory techniques / procedures, the reasons for performing them and understand / interpret their results (i.e. for the specialised topic area covered by the course).

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussion
- Course practical exercises, case study work, data interpretation and assessments

Core reading material to help you with this course:

- The book 'An Introduction to Blood Transfusion Science and Blood Bank Practice (BBTS)
- Relevant BBTS/BCSH transfusion guidelines
- Course material / booklet and exercises provided to course attendees

Location of course:

Various Blood Centres

Contributes to KSF:

HWB8

HWB10

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

ADVANCED SPECIALIST TRANSFUSION SCIENCE

Specific Topics (see course programmes)

Indicative AfC
band:
6 or 7

This course is intended for:

- Specialist Practitioners and experienced / senior scientific staff working in hospital transfusion laboratories or the NBS
- Laboratory staff undertaking the IBMS Higher Specialist Diploma, IBMS Diploma of Expert and Extended Practice or for an MSc in Transfusion Science

Length of the course:

Two x one-day specific topic courses (may be booked as separate one-day or as a two-day course)

To get the most out of this course the attendee should have completed the following:

Either prior routine experience of working in a hospital transfusion laboratory (including undertaking on-call), or experience of immunohaematology / transfusion science practice in NHSBT.

The aim of the course is:

To provide up-to-date complex / advanced theoretical scientific information relating to a number of specific transfusion related topic areas that are of interest to those working in specialised hospital transfusion or NHSBT immunohaematology laboratories.

This course covers the following topics:

The specific transfusion science topic areas covered by this course vary (please see individual course programmes). Current topic areas include (actual content may vary):

'BLOOD GROUP SYSTEMS':

- Rh genetics and RhD
- Kell Blood Group System
- Duffy Blood Group System
- Kidd Blood Group System

'BLOOD GROUP ANTIBODIES':

- Complex antibody mixtures – data interpretation
- Antibodies to high/low frequency antigens
- Clinical significance of red cell antibodies
- Bg/HLA and HTLA antibodies

By the end of the course you should be able to:

- Understand the more complex aspects of certain theoretical and/or practical transfusion science topics
- Be familiar with recent theoretical developments in specific topic areas

How you will be assessed on this course:

- Informal tutor observation
- Questions and informal discussion
- Results interpretation, case study exercises and/or data interpretation (as appropriate)

Core reading material to help you with this course:

- Transfusion text books, e.g. Human Blood Groups by Geoff Daniels
- Relevant BBTS/BCSH transfusion guidelines
- Recently published transfusion journals

Location of course:

Manchester and Newcastle Blood Centres

Contributes to KSF:

HWB8
HWB10

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

TRANSFUSION MICROBIOLOGY – THEORY AND PRACTICAL

Indicative AfC band:
Various

This course is intended for:

- New HTO, HHTO or pre-HPC registration / trainee grade staff in Testing or NAT laboratories
- Other grades of NHSBT staff working in Testing, with little or no formal knowledge of microbiology
- Other NHSBT staff and non-NHSBT staff who wish to update their theoretical and/or practical knowledge of transfusion microbiology

Length of the course:

As a two-day theory course and a separate two-day practical course

To get the most out of this course the attendee should have completed the following:

Attendees should ideally already have attended the Welcome Day, Blood Centre Tour and Introduction to Blood and Transplant Services courses.

The aim of the course is:

To provide general and specific theoretical knowledge of immunology and microbiology with particular reference to transfusion related organisms and their detection

This course covers the following topics:

- Theory course: Provision of underpinning knowledge related to transfusion transmitted infectious agents and information regarding the laboratory assays used by NHSBT to detect micro-organisms
- Practical course: Practical workshop to aid in the development of skills used in immunoassay techniques and the identification of problems in routine testing laboratories

By the end of the course you should be able to:

- Theory course: Understand the role of the body's immune system in defence against micro-organisms and infection in general and be aware of the range of transmissible micro-organisms that exist and understand the screening algorithms and rationale adopted by NHSBT for the screening of donations
- Practical course: Understand the principles of assay techniques for detecting micro-organisms and be able to identify common problems in the routine testing laboratory

How you will be assessed on this course:

- Multiple choice questionnaire (with pass mark)
- Informal tutor observation during the course
- Questions and informal discussions

Core reading material to help you with this course:

Leaflets / handouts (as appropriate)

Location of course:

Birmingham, Manchester, Bristol & Sheffield

Contributes to KSF:

HWB8
HWB10

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

INTRODUCTION TO CLINICAL AUDIT

Indicative AfC
band:
Various

This course is intended for:

Any member of NHSBT staff who wish to have a basic understanding of clinical audit. NHSBT healthcare scientists, nurses and medical staff with no clinical audit experience.

Length of the course:

Half day

To get the most out of this course the attendee should have completed the following:

None

The aim of the course is:

To provide an introduction to clinical audit and an understanding of its role as a quality improvement tool and its place in the clinical governance framework.

This course covers the following topics:

- Defining clinical audit
- Key stages in the audit cycle
- Benefits and barriers to clinical audit
- The difference between clinical audit and research
- The difference between clinical audit and GMP audit

By the end of the course you should be able to:

- Gain a basic awareness of clinical audit
- Be able to identify the key stages of the audit cycle
- Be able to identify the benefits of clinical audit to patients, donors and the organisation
- Be able to identify the barriers to clinical audit
- Understand how clinical audit differs from other quality initiatives

How you will be assessed on this course:

- Completion of practical exercises
- Informal tutor observation during the course
- Questions and informal discussion

Core reading material to help you with this course:

None

Location of course:

Various Blood Centres

Contributes to KSF:

C2; C4; C5

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

USING THE NHSBT ELECTRONIC JOURNALS COLLECTION AND OTHER E-JOURNALS

Indicative AfC band:
Various

This course is intended for:

- NHSBT staff who are new to using electronic journals
- NHSBT staff wishing to find out which journals are available to them electronically
- NHSBT staff wishing to find out about a wide range of electronic journals, which can be used in their work

Length of the course:

Approximately 90 minutes

To get the most out of this course the attendee should have completed the following:

- Should have some experience of using the Internet
- Have an NHSBT Athens password

Students are requested to arrange for a colleague to cover their calls and enquiries during the session, in order to minimise line noise and disruption for all participants.

The aim of the course is:

- To learn which journals are available to NHSBT staff
- To find out how to log onto the journals and download articles
- Learn about other electronic journals available to NHSBT staff, such as NHS Evidence's National Core Content collection and a range of free e-journals via the Internet
- Hear about the British Library ordering scheme available to NHSBT staff

This course covers the following topics:

- Which journals are available?
- Why do I need Athens?
- Logging on to Blood
- Logging on to Ovid Online
- Browsing journals/finding articles
- National Core Content journals
- Other free journals
- British Library for NHSBT staff
- Copyright considerations

By the end of the course you should be able to:

- Understand what Athens accounts are and how they control access to resources
- Which resources are available to NHSBT staff and understand the National Core Content journal collection
- Be able to access a wide range of online journals and download online journal articles
- Be able to find other free-of-charge journal collections
- Know about the British Library scheme available to NHSBT staff
- Understand and be able to comply with the requirements of the Copyright Licence for NHSBT

How you will be assessed on this course:

- Questions and informal discussions
- Informal tutor assessment during the course

Technical requirements:

- Intranet and Internet access
- Windows 2000 or 2003 / Citrix desktop
- Network PC and telephone

Location of course:

Course is conducted by teleconference / web conference

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

Contributes to KSF:

IK3

HIERARCHY OF EVIDENCE

Indicative AfC
band:
Various

This course is intended for:

All NHSBT staff and students researching information on a given topic.

Length of the course:

Approximately 2 hours

To get the most out of this course the attendee should have completed the following:

- Experience in using the Internet
- Basic knowledge of databases
- NHSBT Athens username and password

The aim of the course is:

- To give a clear methodology for identifying quality evidence based research, guidelines, etc., and provide a progressive series of tools that will save time in researching resources
- To help identify the highest quality research and offer the searcher confidence when tackling a baffling amount of information

This course covers the following topics:

- Introduction and background
- What is Systematic Review?
- What is Meta-Analysis?
- Where to find evidence based tools
- Saving effort when searching
- A hierarchical array of tools for finding evidence

By the end of the course you should be able to:

- Understand the meaning of Systematic Review
- Understand the meaning of Meta-Analysis
- Know where to find key evidential tools
- Be able to formulate an efficient course of action when approaching searches for evidence based research
- Understand the progressive / hierarchical nature of the tools available

How you will be assessed on this course:

- Questions and informal discussion
- Informal tutor observation during the course

Technical requirements:

- Have access to the Intranet and Internet
- Windows 2000 or 2003 / Citrix desktop
- Network PC and telephone

Location of course:

Course to be conducted by teleconference

Note: due to this form of course delivery, a maximum of six people at any one time will be booked to attend.

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

Contributes to KSF:

IK3

CINAHL FOR NURSES

Indicative AfC
band:
Various

This course is intended for:

NHSBT staff wishing to keep up to date with newly published research on a given topic; learn database searching skills or conduct research on nursing topics.

Length of the course:

Approximately 2 hours

To get the most out of this course the attendee should have completed the following:

- Have a basic knowledge of bibliographic references
- Familiarity with the use of the Internet
- NHSBT Athens username and password

The aim of the course is:

To provide an introduction to the specialist nursing database and learn the main concepts in searching databases; understand the scope and content of the database and how to access full text articles direct to your computer.

This course covers the following topics:

- Using AND, OR and NOT
- Thesaurus – what it is and what it does
- Using scope notes
- Explode and focus
- Sub-headings
- Building and combination sets
- Limiting, selecting and printing results
- Full text articles and copyright considerations

By the end of the course you should be able to:

- Understand the information contained within CINAHL
- Be able to conduct basic searches
- Understand keyword and subject heading searches and the use of Explode & Focus when searching for information
- Know what a Scope Note is and how it can be used to enhance searching
- Understand the use of subject headings and related sub-headings
- Know how to use limitation tools
- Be able to connect to full text articles, download them for personal study and print-off references
- Be aware of the general copyright rules relating to the use of full text articles
- Be able to find similar articles and citing references

How you will be assessed on this course:

- Questions and informal discussion
- Informal tutor observation during the course

Technical requirements:

- Intranet and Internet access
- Windows 2000 or 2003 / Citrix desktop
- Network PC and telephone

Location of course:

Course to be conducted by teleconference

Note: due to this form of course delivery, a maximum of six people at any one time will be booked to attend.

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

Contributes to KSF:

IK3

INTRODUCTION TO MEDLINE SEARCHING

Indicative AfC
band:
Various

This course is intended for:

- All NHSBT staff wishing to have an introduction to using Medline for study and/or research
- Those wanting a refresher course on using Medline

Length of the course:

Approximately 2 hours

To get the most out of this course the attendee should have completed the following:

- General Internet and computer skills
- General healthcare knowledge
- Awareness of the theory of evidence based practice
- NHSBT Athens username and password

The aim of the course is:

To provide an introduction to the main concepts and tools for searching Medline.

This course covers the following topics:

- What Medline is and what it contains
- Using AND and OR
- Thesaurus – what it is and what it does
- Using Scope Notes, Explode and Focus
- Sub-headings
- Building and combining sets
- Limiting, selecting and printing your results
- Full text articles and copyright considerations

By the end of the course you should be able to:

- Understand the scope of the information contained within Medline
- Be able to conduct basic searches, find similar articles and citing references
- Understand the keyword, subject heading and related sub-heading searches
- Understand the use of Explode, Focus and basic Boolean operators when searching for information
- Know what a Scope Note is and how it can be used to enhance searching
- Know how to use limitation tools
- Be able to connect to full text articles and download them for personal study as well as print off references
- Be aware of the general copyright rules relating to the use of full text articles

How you will be assessed on this course:

- Questions and informal discussion
- Informal tutor observation during the course

Technical requirements:

- Intranet and Internet access
- Windows 2000 or 2003 / Citrix desktop
- Network PC and telephone

Location of course:

Course to be conducted by teleconference

Note: due to this form of course delivery, a maximum of six people at any one time will be booked to attend.

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

Contributes to KSF:

IK3

GETTING TO KNOW THE NHSBT INTRANET

Indicative AfC
band:
Various

This course is intended for:

- All NHSBT staff who are new to using the NHSBT Intranet portal
- NHSBT staff wishing to refresh their knowledge of the Intranet portal

Length of the course:

Approximately 2 hours

To get the most out of this course the attendee should have completed the following:

Have keyboard and mouse skills as well as a basic knowledge of the Internet

The aim of the course is:

An introduction to using the portal including an introduction to finding information, navigation from the home page and the key tools provided.

This course covers the following topics:

- Menu navigation and adding elements
- Featurenet – finding people, addresses and numbers
- Travel pages
- Finding information on Blood Collection sessions
- Finding document by keyword and code number: QA documents and Featurenet searching
- Access to NHSBT training, AfC and KSF information
- The major directorate pages
- Discussion forums
- Searches using the search engine
- The dictionary and its tools
- Analysing your question

By the end of the course you should be able to:

- Understand the main elements available on the NHSBT home page
- Be able to use the menu to navigate the site and be able to add / manage desktop elements
- Be able to find colleagues' addresses and telephone numbers, hierarchical structures, etc.
- Be able to find a collection session for a donor or colleague as well as locate key controlled documents in the system
- Be aware of training opportunities and be able to access information and apply for courses
- Know how to find information about AfC and KSF as well as the home pages of the major NHSBT directorates
- Be able to find and participate in discussion forums as well as use the dictionary and its associated tools
- Understand how to use the search engine for Intranet and Internet searches
- Be able to formulate a basic query and use the relevant portal tools to answer it

How you will be assessed on this course:

- Questions and informal discussion
- Informal tutor observation during the course
- Completion of exercises following the course

Technical requirements:

- Intranet and Internet access
- Windows 2000 or 2003 / Citrix desktop
- Network PC and telephone

Location of course:

Course to be conducted by teleconference

Note: due to this form of course delivery, a maximum of six people at any one time will be booked to attend.

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

Contributes to KSF:

IK3

INTRODUCTION TO NHS EVIDENCE (FORMERLY THE NATIONAL LIBRARY FOR HEALTH)

Indicative AfC band:
Various

This course is intended for:

All NHSBT staff wishing to keep up to date with developments in healthcare

Length of the course:

Approximately 2 hours

To get the most out of this course the attendee should have completed the following:

- Experience in using the Internet
- Basic knowledge of clinical databases
- NHSBT Athens username and password

The aim of the course is:

To provide an introduction into some of the major resources available through NHS Evidence, including guidance, evidence-based resources and online journals.

This course covers the following topics:

- Searching for information
- Evidence based tools
- Guidance
- Full text journals and books
- Obtaining articles
- Copyright
- The range of clinical databases
- Conducting a simple search
- Specialist libraries

By the end of the course you should be able to:

- Have an overview of the main resources available on NHS Evidence
- Understand the need for using evidence based resources
- Know which tools to use for guidance
- Understand the difference between printed and full text articles and how to use the core content journals
- Understand the basic copyright rules governing access to and the use of full text articles
- Be aware of the clinical databases available and be able to conduct a simple search
- Be aware of the specialist libraries available on NHS Evidence

How you will be assessed on this course:

- Questions and informal discussion
- Informal tutor observation during the course

Technical requirements:

- Intranet and Internet access
- Windows 2000 or 2003 / Citrix desktop
- Network PC and telephone

Location of course:

Course to be conducted by teleconference

Note: due to this form of course delivery, a maximum of six people at any one time will be booked to attend.

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

Contributes to KSF:

IK3

ZETOC – E-MAIL ALERTS FOR JOURNAL CONTENTS AND CONFERENCE PROCEEDINGS

Indicative AfC band:
Various

This course is intended for:

All NHSBT staff wishing to keep up to date with research and professional development.

Length of the course:

Approximately 90 minutes

To get the most out of this course the attendee should have completed the following:

- Experience in using the Internet
- NHSBT Athens username and password
- Basic knowledge of databases

The aim of the course is:

Enable NHSBT staff to keep up to date with journal literature, scientific research & conference proceedings.

This course covers the following topics:

The British Library's Zetoc current awareness service continuously indexes the content pages from over 20,000 scientific journals and over 16,000 conference proceedings. Information on searching the database, creating alerts and receiving e-mail notification every time a new item on your subject is added; checking the contents of current journal issues and bibliographic information from journals and conferences.

- Introduction and overview
- Setting up a new alert
- Adding journals to your alert
- Adding authors or title keywords
- Synonymous terms
- Searching for bibliographic information
- Conference proceedings
- General search tool
- E-mailing results
- Obtaining articles
- Copyright
- NHSBT libraries / the British Library

By the end of the course you should be able to:

- Be able to search the database for journal contents
- Understand the scope of the database and how to conduct searches
- Be able to create and manage personal alerts
- Be able to use ZETOC for bibliographic checking
- Understand the difference between printed and full text articles and how to obtain copies
- Understand the basic copyright rules governing access to and use of full text articles

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussion

Technical requirements:

- Intranet and Internet access
- Windows 2000 or 2003 / Citrix desktop
- Network PC and telephone

Location of course:

Courses to be conducted by teleconference

Contributes to KSF:

IK1
IK3

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

ESSENTIAL TRANSFUSION MEDICINE

Indicative AfC
band:
N/A

This course is intended for:

- Doctors commencing studies in Transfusion Medicine
- All newly registered Specialist Registrars within the first six months of training
- Transfusion Practitioners and Transfusion Liaison Nurses

Length of the course:

One week (block)

To get the most out of this course the attendee should have completed the following:

- Have read the current BCSH/BBTS Guidelines in Transfusion Medicine (www.bcshguidelines.com)

The aim of the course is:

Introduce the major aspects of Transfusion Medicine to enable safe and effective practice to Sprs and ST2/3s newly in post

This course covers the following topics:

This comprehensive course includes tutorials, seminars, case studies, data interpretation and exercises relating to transfusion practice. Topics covered include:

- ABO, Rh and other blood group systems
- NHSBT and provision of components
- Nomenclature of blood group systems
- Blood components and products
- Pre-transfusion testing
- Routine testing of blood components
- Appropriate use of blood components

By the end of the course you should be able to:

- Have a broad understanding of hospital / NBHST based transfusion medicine / science
- Understand the procedures and theory behind pre-transfusion testing
- Understand the range of blood components available from NHSBT

How you will be assessed on this course:

- Informal tutor observation during the course
- Questions and informal discussions
- Course exercises, data interpretation and assessments and revision material

Core reading material to help you with this course:

- Transfusion Medicine BCSH/BBTS Guidelines
- Course material / exercises provided to course attendees

Location of course:

Colindale, Manchester and Filton Blood Centres

Contributes to KSF:

HWB8 and HWB10

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors

INTERMEDIATE TRANSFUSION MEDICINE

This course is intended for:

- Specialist Registrars in Haematology / Transfusion Medicine, taking the RCPATH examination
- Senior Clinical Scientists and healthcare scientific staff working in transfusion laboratories who are studying for the RCPATH, IBMS Advanced Practitioner or MSc in Transfusion examinations

Length of the course:

Three weeks (block)

To get the most out of this course the attendee should have completed the following:

- Medical staff should have attended the 'Essential Transfusion Medicine' course
- Have read the current BCSH/BBTS Guidelines in Transfusion Medicine (www.bcsguidelines.com)

The aim of the course is:

To meet the training needs of Specialist Registrars and Clinical Scientists who are studying for the RCPATH examination in Haematology and Transfusion Medicine.

This course covers the following topics:

This comprehensive course includes tutorials, seminars, case studies, data interpretation and exercises relating to transfusion practice. Topics covered include:

- Advanced red cell serology
- Transfusion microbiology
- Quality aspects of Blood Services
- Blood components and products and their use
- Appropriate use of blood components
- Antenatal testing and HDFN
- HLA / transplantation / platelets & granulocytes
- Pre-transfusion testing and significance
- Auto-immune cytopenias, including AIHA
- Adverse transfusion reactions: SHOT / SABRE

By the end of the course you should be able to:

- Have a broad understanding of hospital / NHSBT based transfusion medicine / science
- Have sufficient transfusion medicine / science knowledge to evaluate and interpret test results and select the appropriate patient treatment and intervention

How you will be assessed on this course:

- Course assessment examination and review
- Informal tutor observation during the course
- Questions and informal discussions
- Course exercises, data interpretation and assessments and revision material

Core reading material to help you with this course:

- 'Practical Transfusion Medicine', Ed. Murphy and Pamphilon
- Transfusion Medicine BCSH/BBTS Guidelines
- Course material / exercises provided to course attendees

Location of course:

Colindale, Manchester and Bristol Blood Centres

Contributes to KSF:

HWB8 and HWB10

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors

RCPATH PRE-EXAMINATION REVISION

Indicative AfC
band:
N/A

This course is intended for:

All Specialist Registrars in Haematology and Transfusion Medicine, together with Clinical Scientists, about to take the data interpretation section of the RCPATH examination.

Length of the course:

One week (5-day) block

To get the most out of this course the attendee should have completed the following:

- All candidates are expected to have attended an Intermediate Transfusion Medicine
- To have read the relevant recommended material as well as BCSH/BBTS Transfusion Guidelines

The aim of the course is:

To prepare candidates for the data interpretation part of the RCPATH examination.

This course covers the following topics:

A variety of clinical scenarios, case studies, data interpretation, tutorials, mock examination questions and EMQs to prepare candidates for their RCPATH examination in Transfusion Medicine. This is an examination orientated revision course.

By the end of the course you should be able to:

Apply transfusion medicine / science knowledge and interpret results across a range of practical / clinical situations in order to satisfactorily complete and pass the data interpretation part of the RCPATH examination in Haematology and Transfusion Medicine

How you will be assessed on this course:

- Answers to case studies, data interpretation and mock/past RCPATH examination questions
- Informal tutor observation during the course
- Questions and informal discussions

Core reading material to help you with this course:

- Course material, tutorial notes, questions, case studies and data interpretation material
- Practical Transfusion Medicine, Ed. Murphy and Pamphilon
- Relevant BCSH/BBTS Guidelines in Transfusion Medicine

Location of course:

Colindale, Sheffield and Bristol Blood Centres

Contributes to KSF:

This course is aimed at helping candidates to pass an examination and as such does not contribute to KSF

Method of evaluation:

- Evaluation feedback from course attendees (anonymous)
- Feedback from course tutors
- Formal and informal feedback from the line managers of course attendees

INTERNAL REGISTRATION FORM: NHSBT STAFF

PLEASE ENSURE THAT YOU HAVE READ THE PROFORMA FOR THIS COURSE (LISTED ON THE STT TRAINING INTRANET SITE – COURSE PROFORMAS) BEFORE COMPLETING THIS REGISTRATION FORM SO AS TO ENSURE THAT THE COURSE IS APPLICABLE FOR YOUR NEEDS AND THAT YOU SATISFY ALL REQUIREMENTS.

Please complete all sections of this registration form and e-mail it to the appropriate person identified below (based on the location of the course)

DETAILS OF THE COURSE YOU WISH TO ATTEND

Course title: | |

Course date: | |

Course location: | |

PERSONAL DETAILS

Surname: | |

First Name: | |

Title (Prof. / Dr / Mr / Ms / Mrs / Miss): | |

Blood Centre Location: | |

Department: | |

E-mail address: | |

Featurenet contact number: | |

Fax number: | |

Post and Grade: | |

Assignment number: | |

Your work experience / background: | |

STT courses previously attended: | |

I confirm I am up to date with mandatory training: | |

MANAGER'S DETAILS

Manager's name: | |

Featurenet extension: | |

Cost centre to which cancellation fee should be charged: | |

Date: | |

Applications will NOT be accepted without the manager's name, Featurenet number and cost centre information, as this indicates that approval to attend has been given and that they have budgetary responsibility for the member of staff.

Please ensure that completed Registration Forms are e-mailed to the correct STT Training Administrator (according to location) as follows:

Courses in Liverpool / Leeds / Manchester / Sheffield / Newcastle:

E-mail the completed form to: satinder.dhesi@nbs.nhs.uk

Courses in Bristol / Oxford / Southampton (Inc: Research & Microbiology Training Courses):

E-mail the completed form to: claire.reichel@nbs.nhs.uk

Courses in Birmingham: E-mail the completed form to: linda.roberts@nbs.nhs.uk

Courses in Colindale / London (Inc: West End & Tooting) / Brentwood / Cambridge:

E-mail the completed form to: wendy.sewell@nbs.nhs.uk

For other STT courses: (e.g. Library Training Courses):

E-mail the completed form to: danielle.oakley@nbs.nhs.uk

Cancellation Policy

The Scientific & Technical Training function frequently has a waiting list of delegates wishing to attend our courses. Your co-operation in notifying the appropriate person (identified above) if you are unable to be present will ensure that we can give others the opportunity to attend. Cancellation within one week of the course date or non-attendance will result in course payment not being refunded.

References

- 1 Making the Change: a strategy for the professions in healthcare science. Department of Health, 2001
http://www.dh.gov.uk/PublicationsAndStatistics/Publications/PublicationsPolicyAndGuidance/PublicationsPolicyAndGuidanceArticle/fs/en?CONTENT_ID=4010607&chk=jEtC4G
- 2 Modernising Scientific Careers: The UK Way Forward
http://www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolicyAndGuidance/DH_113275
- 3 Foundation Degree in Applied Blood and Tissues
Application pack (for copies phone 0516)
- 4 NHSBT Education Support Policy
http://nhsbtweb/group_services/human_resources/HR_operations/policies_procedures/EducationSupport_NBS.pdf
- 5 The NHS Research Governance Framework, 2nd edition, 2005
http://www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolicyAndGuidance/DH_4108962
- 6 A Career Framework for Healthcare Scientists in the NHS. Department of Health, 2005.
<http://www.imi.org.uk/fhcs/HCSCareerFrameworkOverview.pdf>
- 7 Better Blood Transfusion 3. Department of Health, 2007
http://www.dh.gov.uk/en/Publicationsandstatistics/Lettersandcirculars/Healthservicecircul ars/DH_080613

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