Welcome to NHSL Medical Education

The NHS Lanarkshire Department of Medical Education has been working across the three acute hospitals, since 2001, responding to local training needs and national training directives and delivering ‘pathways for clinical learning’ for all clinicians from student to consultant, through our 4 training programs:

♦ Student Programme
♦ Foundation Programme
♦ Specialty Trainee Programme
♦ Senior Staff Programme

These aim to complement the existing learning opportunities provided within units and details of each can be found in the separate programme booklets. In addition, the department supports the NHS Lanarkshire General Practice Protected Learning Scheme.

The training programmes and the provision of facilities and resources are responsive to feedback gathered from students and trainees through the relevant surveys (local/ University / Deanery / PMETB) and from senior staff in the annual online training needs assessment survey. We strive to provide the highest level of teaching and training supported by quality facilities and resources. We are always looking for suggestions for further development (meded@lanarkshire.scot.nhs.uk).

NHS Lanarkshire Medical Education has a dedicated Medical Education Training Centre located within the grounds of Kirklands Hospital, Bothwell.

The centre is readily accessible from the three acute hospitals and provides a central hub for medical training. It is especially equipped to support clinical simulation for medics at all levels, student to consultant. Centre details can be located via http://www.llcc.scot.nhs.uk/home/welcome.asp
The Department of Medical Education management team is involved in the strategic development of the NHS Lanarkshire programmes and the co-ordination of their delivery.

**Director of Medical Education**

Responsible for the development and management of all aspects of medical training from student to senior staff across both acute and primary care divisions of NHSL

**Deputy Directors of Medical Education**

The two deputies take different leads in regard to a) development and provision of CPD accredited generic training courses for Senior Medical Staff and b) local strategic and financial planning in regard to undergraduate and general practice components of the department work.

**Training Quality Leads**

The Training Quality Leads, based in each of the three Acute Lanarkshire Hospitals, are responsible for a variety of aspects of training including the co-ordination of trainee hospital-based induction; the local management of training facilities; quality control in relation to training delivery in departments; trainee support, career advice and advocacy.

**Foundation Programme Tutors**

Three Foundation Tutors are based in NHSL in relation to four West of Scotland Foundation Programmes. They oversee the training delivery, assessment and support of the 120 NHSL Foundation Trainees.

**Sub-Deans**

Hospital Sub-Deans are attached to each of the three NHSL Acute Hospitals representing the University of Glasgow and co-ordinating the teaching provision and facilities for Glasgow medical students.

In addition, at Wishaw General there is also Sub-deans who represent the needs of students from the University of Dundee; the University of Edinburgh; and Obstetric teaching.

**Clinical Skills Lead**

The Clinical Skills Lead is responsible for the delivery and development of all clinical practical skills in NHSL relevant to undergraduate and postgraduate medicine. Resuscitation training is also managed by the clinical skills lead, including the provision of ALS, ILS, and PILS courses.

**IT Lead**

The IT Lead manages the provision of medical education IT equipment for Junior Doctors, the maintenance of the Medical Education websites, and the delivery of the Video Conferencing facility for use in teaching and training.

**Business Support Lead**

The Business Support Manager is responsible for overseeing the budgetary and general operational elements of the Department and for reporting to local and national stakeholders as required.

**Administrative Lead**

The PA to the Director of Medical Education manages the Department’s administrative staff across our central and site-based offices.
MEDED Administrative staff

The Medical Education Central Office is based at the training centre at Kirklands. The Central Office team comprises administrative staff that support our training across all our sites. They are responsible for coordinating the design and provision of training for undergraduates, medical trainees and senior medical staff. In addition they are responsible for the design and production of our written and electronic materials.

Site office Staff (Postgraduate)

Medical Education Site offices are located at Hairmyres, Monklands and Wishaw General Hospitals. Each has Postgraduate/ Foundation administrators and a Sub-Dean secretary.
Numerous clinical staff are involved in the actual delivery of teaching and training across NHS Lanarkshire. However, some have a particular level of involvement:

**Educational Supervisors**

Educational supervisors support and assess Foundation and Specialty trainees. Training to support them in this role is either provided locally or funded by NHSL.

**Clinical Supervisors**

The vast majority of senior staff will be called upon to act as clinical supervisors for either Foundation or Specialty trainees. Training to support them in this role is either provided locally or funded by NHSL.

**Clinical Teachers**

Although many senior staff are involved in the regular provision of teaching to medical undergraduates, some individuals have taken on an additional level of activity. This may be through regular commitment as PBL facilitators, or through specific contracted teaching activity that reflects a specialist interest, expressed through their job-plan.

**Lead Clinical Trainers**

There are currently seven members of senior staff taking a lead in the development and provision of skills-based teaching in their roles as lead clinical trainers. In addition, they are championing specific aspects of teaching or training within the units in which they work.

**Clinical Teaching Fellows**

The clinical teaching fellows are middle grade trainees who are devoting at least a year to the pursuit of specialised training in medical education and its delivery. Each is involved in the pursuit of a Diploma in Medical Education as well as being part of the developmental projects and research within the department. In addition, each contributes to the medical education management meetings. They are trained while in post (if not already) as PBL facilitators and, where invited, as ALS instructors. They also participate in the teaching of 3rd, 4th and 5th year medical students as well as in the tutorial and scenario-based training for Foundation trainees.

**Clinical Skills Team**

The medical education clinical skills team are often comprised of senior CCU or ITU nurses before taking on such roles, they have developed a particular interest, in skill-orientated teaching and training, especially in regard to the arrest and peri-arrest situation. They provide a comprehensive resuscitation and clinical skills programme for all NHSL clinical staff. In addition, they also take a particular lead in the development and delivery of new programmes for medical students and Foundation trainees as well as in regard to scenario-based programmes for senior medical staff.
The Medical Education Training Centre represents a major investment in the provision of Medical Training facilities within NHS Lanarkshire.

Readily accessible from the three acute hospitals, the Medical Education Training Centre is located in Bothwell and provides a central hub for medical training. It is especially equipped to support clinical simulation for medics at all levels, student to consultant.

The simulated 2-bedded ward and observation room are highlights of the facility which comprises the following:

- Lecture Theatre: with 4 metre wide dual projection capacity screen, flexible layout; capacity 60 – 150
- Conference Room: with large drop-down projection screen and multimedia projector; capacity 20 - 25
- 3 Training Rooms: capacity 15 – 20
- Simulation Ward with 3 henley beds and monitors; linked to observation room
- Debriefing/ Interview room
The Lecture Theatre, conference room and each training room have SmartBoard projection facilities, facilitating group interaction and live keynote recording. All 3 training rooms and the simulation room are linked to the observation room by state-of-the-art SMOTS cameras and microphones enabling recording or direction of the multiple simultaneous scenarios in the different rooms.

Modern equipment, ranging from simple models to sophisticated high-fidelity manikins is used for teaching diagnostic, procedural and treatment skills.

The extensive range of simulation equipment available for clinical training is also available for hire by trained individuals. Laptops are also available for hire with Internet facilities available throughout the centre. Video conferencing is available on request.
NHSL MEDICAL EDUCATION
GENERAL TRAINING RESOURCES

A comprehensive range of resources is available to support those who are part of our programmes:

General facilities

Hairmyres Hospital

The Education and Training Centre is located on Level 0 and the following rooms are available:

- Lecture theatre: tiered, with capacity of 130
- Seminar room: capacity of 12-14
- Conference room: capacity of 12-15
- Training room: capacity of 12-14
- Study room: capacity of 10-12

Rooms are equipped with OHP, video, TV and flipchart and pens. There are SmartBoard facilities in the Lecture theatre and Conference room and multimedia support and laptops are available on request.

Monklands Hospital

Within the Education Department, the following rooms are available:

- Lecture theatre: flat, with a capacity of 76
- Seminar room 1: capacity of 18
- Seminar room 2: capacity of 20

Rooms are equipped with laptops, projectors, flipchart and pens.

In addition, other training rooms are situated within the main hospital buildings.

- Laboratory conference room: capacity of 12
- A&E seminar room: capacity of 12
- Renal room: capacity of 12
- Boardroom: capacity of 16
- Anaesthetics Meeting Room: capacity of 12

The Training Department is located in the Corporate Services Building (located next to the main hospital building). The following rooms are available:

- Main training room: capacity of 20
- Meeting room: capacity of 10
The Ronald Miller Education and Training Centre is situated on Level 0 at Wishaw General Hospital and the following training rooms are available:

- Lecture theatre: flat, with capacity of 120
- Conference room 1: capacity of 12-15; boardroom style
- Conference room 2: capacity of 15-20
- Syndicate room 1: capacity of 8-10
- Syndicate room 2: capacity of 8-10
- Syndicate room 3: capacity of 12-15

All rooms are equipped with flipchart. Multimedia, laptop, DVD and TV are available on request. Internet access is also available upon request in the Lecture theatre, Conference rooms 1 and 2 and Syndicate room 3.

There are also 5 meeting rooms available at Wishaw General Hospital which are located on Level 3.

There are also various training rooms based outwith the 3 hospital sites the main facility being Law House in Carluke, where the provision is:

- Training room 1: capacity of 20-25
- Training room 2: capacity of 20-25
- Training room 3: capacity of 12-16
- Training room 4: capacity of 20

There are also 2 meeting rooms available at Law House. All rooms are equipped with a TV, video, DVD player, OHP and flipchart and pens. Multimedia equipment and laptops are available on request.
Libraries are available on each of the acute sites and are accessible 24/7. They are staffed during office hours Monday-Friday. Access is available using the hospital security swipe card system.

Each library has a multi-disciplinary collection of books, journals, videos & DVDs. The collections contain over 5,000 books covering all clinical subject areas including nursing. The library also has a small, but diverse collection of management, leadership, teambuilding and computing textbooks. Journal access is also provided. The online catalogue for all of Lanarkshire library collections can be accessed from http://www.shelcat.org.

In addition, the libraries also have computers, printers, photocopiers, scanners, small scale binding (provided at a cost), video and DVD players for staff to access. Moreover, specific computers are set aside for medical student access from 9am to 5pm.

Contact

- Hairmyres Hospital Library (01355 585487/88)
  library.hm@lanarkshire.scot.nhs.uk
- Monklands Hospital Library (01236 748748 ex 2005):
  library.mk@lanarkshire.scot.nhs.uk
- Wishaw Hospital Library (01698 366316):
  library.ws@lanarkshire.scot.nhs.uk
Multimedia services

Each of the acute hospitals has its own Medical Education Video Conferencing (VC) equipment. The mobile units mean that VC can be provided from almost any room in each hospital. The facility supports inter-hospital departmental teaching, reducing the number of staff required to teach any one departmental programme and enabling trainees or students based on the individual sites to share in larger forums.

In addition, using our state of the art MediaSite® equipment, teaching sessions/lectures can also be recorded and web-streamed for later use. The service can be accessed by contacting the IT Lead.

Computer access

General desk-top access: as well as providing additional PCs in ward areas to support access by trainees, NHSL Medical Education has enabled PCs in each acute hospital library to be designated specifically for medical student access during working hours. Hairmyres also has an extra PC available in the medical student teaching room near the library.
MEDED

[www.medednhsl.com](http://www.medednhsl.com) (for all medical staff)

Codes to access this website are provided to all those based with us in NHSL for a period of time. It provides a range of supportive information; links and tools:

- for all: access to clinical guidelines and web-collection and course booking
- for trainees: free access to onexamination.com
- for seniors: online induction with appraisal guide and appraisal forms online
- for trainers: anatomy TV and supervisor guidance

GP CPD

[www.medednhsl.com/gpmeded](http://www.medednhsl.com/gpmeded) (for GPs)

This website enables general practitioners to register and record attendance at the protected learning scheme sessions; to record evaluation relating to the events and to generate certificates of attendance.

General facilities

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

This website presents our learning and general training opportunities for those staff interested in coming to a post in NHSL.

‘Elements’

[www.medicelements.co.uk](http://www.medicelements.co.uk) (for students)

This website is a unique development by NHS Lanarkshire to support the clinical bedside teaching of year 4/5 medical students. Through the 4 elements of the site, student teaching on clinical bedside cases adopts a new learning approach. This blends preparatory online exploration of the relevant pathophysiology of the case, the clinical management relating to the case, and the history and examination of the case, along with evaluation of the learning and self-assessment of the learning points.
STAR

www.medednhsl.com/STAR (for seniors)

STAR is a complete online management training system launched in 2010 – 11.

The web site has been created specifically to make learning and reflection available in a format that better suits the availability of senior medical staff, and to provide certificates as evidence of continuing professional development. It will also deliver on training required to support core clinical service e.g. Child Protection training.

STAR has been commissioned by NHS Education for Scotland to deliver e-teaching material for supervisors.

DOTS

www.nhsdots.org (for trainees)

NHSL is the parent home of the NHS Education Scotland Doctors Online Training System which is derived from work developed and piloted by NHS Lanarkshire.

The Doctors Online Training Systems is used by the Medical Education Department to communicate to all grades of trainees regarding any training courses, confirmation of bookings and other important information.
Training equipment is available across the Trust through discussion with the Clinical Skills Lead:

### Basic Training Equipment

- Airway trainers x 6
- ALS Adult trainers x 3
- Skillmaster ALS Trainers x 4
- Resusci-Anne trainers x 11
- Baby BLS x 4
- Resusci Junior x 5
- ALS Baby Trainer x 4
- ALS Junior Trainer x 2
- ALS Heartsim 2000 manikin (CCU)
- ALS 4000 Manikin x 2
- 4Agilent XL (3 Pacing) Plus
- 6FR2 Defibrillators
- ILS Junior manikin and trauma limbs
- Modular Resusci-Anne manikin
- ECG Rhythm simulator (CCU)
- ALS Skill trainer 200 manikin
- ECG Rhythm simulator 200

### Medium Fidelity

- Mega Code Kelly Trainer
- Mega Code Kid Trainer
- Simman ALS Manikin x 3

### High Fidelity

- Sim 3G
- Baby Sim
Venous/Arterial Access Trainers

- Venepuncture training aids x 10
- Arterial puncture arm x 6
- Central/Arterial Line waveform Simulator
- Central line torso
- Peter PICC½ + Torso
- Paediatric injection head
- Chester chest model x 3
- Site Rite IV Ultrasound
- CVC insertion simulator 2
- Ultrasound vascular access trainer

Patient Examination Training Aids

- Prostate examination simulator
- Pelvic training manikin
- Ophthalmoscopic trainer
- Breast nodule simulator
- Otoscope trainer
- Testicular examination trainer

Specialty Training

Trauma

- Trauma arms and legs for modular Annie
- Trauma wound kit
- Head trauma assembly
- Mr Hurt

Obstetric

- Obstetric delivery simulator
- 3 obstetric manikins
- K2 foetal monitoring CD training package

Surgical

- Laparoscopic trainer
- Suture tutor training aid
- Ingrowing toenail assembly

Airways

- Bronchoscopy Trainer
- Tracheostomy Trainers

Other

- Shoulder/joint injection simulator x 2