

PROSPECTUS 2006/7

RAVEN DEPARTMENT OF EDUCATION

THE RAVEN DEPARTMENT OF EDUCATION IS A WORLD-RENOWNED CENTRE OF EXCELLENCE WHERE THE CHALLENGE OF DEVELOPING INNOVATIVE AND RELEVANT COURSES FOR SURGEONS AT ALL LEVELS IS MET BY A TEAM OF SURGEONS, ANATOMISTS, TECHNICIANS AND EDUCATIONALISTS, WORKING TOGETHER IN A CREATIVE ENVIRONMENT.



The Royal
College

Surgeons

Sungland

INTRODUCTION

CHAIRMAN

I am delighted to report that the Eagle Project, a major refurbishment initiative on the fourth floor of the College, is now underway. The focus of the new developments will be on regional delivery, with the College as the hub for nationwide activity to support the education and training needs of both trainees and trainers within the surgical team. Designed in four phases, the first phase will be a new anatomical skills centre, to be completed in the Autumn of 2007. Phase two will be a clinical skills unit, available the following year to support a range of educational initiatives including training for the multiprofessional team, assessment, trauma and emergency and critical care. The third and fourth phases will deliver

high quality seminar and breakout resources for supporting the key roles within surgery in particular leadership, management and education roles.

I would like to take this opportunity to recognise those surgeons and members of the surgical team who so selflessly support the education and training of surgeons. Like you, I see this as an essential role within the profession and I am particularly appreciative of the tutors, convenors and faculty members who regularly



support the courses run by the Raven Department of Education.

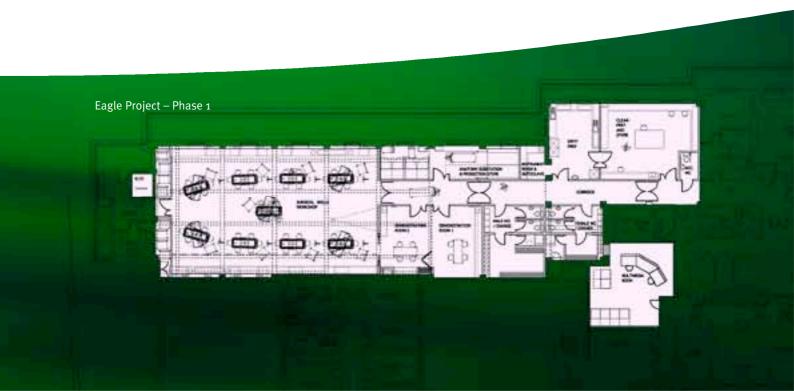
Time is a very precious resource and with the current constraints within the NHS I am very aware of how much energy is required to support our trainees. If you are not currently involved and would be interested in taking part, please contact our Head of Department Dr Natalie Briggs (nbriggs@rcseng.ac.uk).

Bill Thomas

Chairman of the Raven Department of Education

SENIOR MANAGEMENT TEAM

Natalie Briggs, Head of the Raven Department of Education
Francine Alexander, Professional Development Projects Manager
Alex Barbour, Projects Manager
Yvonne Guthrie, Head of Specialty Programmes
Andrea Kelly, International Coordinator and Education Policy Adviser
Suzy Lamont, Projects Manager
Judy Murfitt, Core Programmes Manager
Alan Swales, Business Manager



DIRECTOR

The Raven Department of Education has a very strong track record of delivering education and training programmes within the College, regionally and internationally. The department is launching STEP™ Foundation, a programme to support the new Foundation years, and materials for the surgical core skills programmes are being developed. Our specialist tutors are reviewing all current courses and mapping them against the new intercollegiate surgical curriculum, to meet the standards outlined by PMETB and the Modernising Medical Careers framework. In addition, we are introducing new courses to support leadership, management and education within the profession.

The first phase of the Eagle Project, the new anatomical centre, is already underway. As part of the research for the project I visited ten university anatomy centres and found real unease about the lack of opportunities for surgical anatomical training. This new centre is a major initiative which will increase the use of cadaveric material both within the College and at regional centres, and will be a national resource.

Within the department, a series of very successful projects have been launched to support high standards in surgery. These include education advisory support for the Intercollegiate Surgical Curriculum, the Sentinel Node project led by Professor Robert Mansel, and the Minimally Invasive Project led by Mr John Black. Innovative developments this year include new programmes in Aesthetics, and in Trauma and Emergency surgery, to support the needs of an increasingly specialised workforce.

Additionally, we are exploring how best to develop education programmes to support all those involved in interventionalist procedures. Finally, we are working in partnership with the university sector to expand our interests in education research and the complexities of teaching and learning within clinical settings.

Dick Rainsbury

Director of the Raven Department of Education

Supported by B Braun Medical Ltd



Dick Rainsbury, left and Richard Canter

DEPUTY DIRECTOR

Richard Canter, Deputy Director of the Raven Department of Education, has a particular role in supporting surgical training in the workplace. He is coordinating the department's approach to the idea of Deanery Postgraduate Schools of Surgery, seen as a way of reversing the problems that surgical training is beginning to experience.

"We need significant changes in terms of organisational systems and resources, involving the cooperation and assistance of Deaneries,
Colleges and Trusts, if we are to produce high quality surgeons for the future. There is a need to develop clear guidelines for accreditation of trainers, educational facilitators, and programme directors as well as clear guidelines for the accreditation of

training programmes and training programme assessors. The role of trainers generally needs to be made more attractive in terms of appropriate resources to perform the post properly and an appropriate career structure to encourage the next generation of surgical trainers."

CORE PROGRAMMES

THE FOUNDATION OF SOUND SURGICAL TRAINING

The Raven Department of Education has earned a well-deserved reputation for providing the most comprehensive education package to support those embarking on a surgical career.

Our portfolio of basic surgical training courses includes:

- ATLS® Advanced Trauma
 Life Support
- BSS Intercollegiate Basic Surgical Skills
- CCrISP™ Care of the Critically Ill Surgical Patient
- Preparation for IMRCS Oral Examination Course
- SBSP
 Scientific Basis of Surgical Practice: the Regionally Delivered IMRCS Preparatory Course
- STEP™ Surgical Training Education Programme.

The Core Programmes have been developed to complement initial hospital-based surgical training and education, with the aim of:

- equipping you to perform competently in the clinical environment;
- helping you to develop effective and confident communication skills;
- focusing and complementing your own reading and locally available training; and
- preparing you for the IMRCS examinations and your future as a surgical trainee.

Experienced surgical tutors and faculty, supported by our team of educators and administrators, are constantly reviewing and refining course content.

Our practical, hands-on workshops are now available at over 125 centres throughout the UK.

Our distance learning programme – $STEP^{TM}$ – gives you the freedom to study at your own pace, with the support of both printed and webbased materials.

For further details, including course dates and regional centres, please visit our website www.rcseng.ac.uk, alternatively call or email:

ATLS®	020 7869 6309	atls@rcseng.ac.uk
BSS	020 7869 6312	bss@rcseng.ac.uk
CCrISP™	020 7869 6311	ccrisp@rcseng.ac.uk
STEP™/Preparation for IMRCS/SBSP	020 7869 6315	step@rcseng.ac.uk

NEW COURSES FOR FOUNDATION TRAINEES

With the advent of the new system of training within *Modernising Medical Careers* we are currently developing a range of courses as relevant to the Foundation curriculum as possible in order to support your hospital-based generic learning throughout those Foundation years. These courses are suitable for all Foundation trainees, whether or not you subsequently enter surgical training, however if surgery is your ultimate career goal they should

enable you to demonstrate your commitment to a surgical career.

Details and availability of our new courses will be advertised first on our website www.rcseng.ac.uk.

START Surgery – Systematic Training in Acute Illness Recognition and Treatment for Surgery is a one-day course designed to advance the practical, theoretical and personal skills necessary for the care of critically ill surgical patients. Further

details from ccrisp@rcseng.ac.uk or call 020 7869 6311

STEP™ Foundation – Distance learning materials for all Foundation trainees, covering common routine situations, managing acute illness, practical procedures and preparation for surgical training. Further details from step@rcseng.ac.uk or call 020 7869 6315

PROFESSIONAL DEVELOPMENT FOR SURGEONS

The Professional and Generic Skills Development Team has been established to provide programmes for consultants at all stages of their career.

TRAINING THE TRAINERS PROGRAMME

The first module is the wellestablished two-day Training the
Trainers (TtT) course, recently
updated to support the introduction
of the new intercollegiate surgical
curriculum. Delivered by a surgeon
and an educator the course develops
the skills of surgeons to teach,
focusing on surgical skills in the
theatre environment. The course is
applicable to all surgeons who take
on a teaching role, but is strongly
recommended for consultants. The
course is delivered in the College
and at regional centres.

In 2006–7 we are introducing the second module of the programme, Teaching and Assessing in Practice (TAIP), and a one-day Surgical

Conversion course for surgeons who have completed a generic Training the Trainers course. TAIP is a two-day programme on the role of surgeon as assessor; a role that will become more defined with the introduction of the new curriculum. The Surgical Conversion course will build on the knowledge and skills obtained in a generic course but will focus on teaching surgical skills in a theatre environment, a key role for trainers in the new curriculum.

SAFETY AND LEADERSHIP FOR INTERVENTIONAL PROCEDURES AND SURGERY (SLIPS)

A new course that is being further piloted in early 2006–7. The course has been developed using experts



from the field of risk management, aviation, crew resouræ management, occupational psychology and surgical safety. The course helps to develop understanding of the causes and consequences of error and the effects of human behaviour on communications and safety. The course is relevant to all surgeons but will be of particular benefit to consultants and senior specialist registrars.

CONFERENCES

The team is planning three conferences for 2006–7.

- The 5th National Programme Directors Conference
- Surgical Education
- Everybody's business: Lessons from high risk industries for patient safety

ANATOMY PROJECT

There has been a reduction in the teaching of anatomy through dissection over the years, and a move towards prosection. Some medical schools are teaching anatomy without using cadavers at all. There is therefore a concern that a reduction in doctors' detailed anatomical knowledge could

ultimately affect patient safety. The
College has recognised this issue
and has set up an Anatomy Steering
Group to review anatomy teaching
at all levels. It will focus initially
on reviewing the provision at
undergraduate and foundation
level and put together a faculty
development programme to support

new programmes. The group will also address the issue of cadaver supply which is also in decline. A conference is planned for 2007 to discuss these issues, and to gain a consensus on the strategy for the future.

THE RAVEN TUTORS

The Raven Department of Education's reputation as a leading supplier of surgical education is founded on the expertise of our tutors. Led by the Director, they are practising surgeons seconded part-time to provide academic direction for our programmes.



Mr Ghassan Alusi Otorhinolaryngology Tutor Sponsored by RCS



Mr Ciaran Healy
Plastic Surgery Tutor
Sponsored by
Mentor Medical Systems/
The George Drexler Foundation





Mr Iain Anderson Tutor in Critical Care Sponsored by Mr & Mrs L Grant



Mr Philip Hirst

BASK Tutor
Sponsored by Plus Orthopedics





Professor Michael Bailey Minimally Invasive Surgery Tutor Sponsored by Ethicon Endo-Surgery



Mr Dalvi Humzah STEP™ Tutor Sponsored by RCS





Mr Adrian Ball
Core Breast Curriculum
Project Tutor
Supported by charitable funding



Mr Jonathan Hyde Cardiothoracic Surgery Tutor Sponsored by the Society of Cardiothoracic Surgeons of Great Britain and Ireland/ Freemasons Grand Charity





Mr Jonathan Beard ISCP Tutor – Assessment Sponsored by ISCP



Professor Mike Larvin
Raven Publishing Tutor
Sponsored by RCS





Mr Nigel Clay Orthopaedic Core Skills Tuto Sponsored by DePuy UK



Miss Fiona MacNeill
Breast Surgery Tutor
Supported by an unrestricted educational grant from
AstraZeneca





Dr Richard Greene Regional IMRCS Courses Tutor Sponsored by RCS



Mr Shane MacSweeney Vascular Tutor Sponsored by B Braun Medical Ltd/Vascular Society





Professor Vishy Mahadevan Barbers' Company Reader in Anatomy Sponsoredby Worshipful Company of Barbers



Mr Ian Sabin Neurosurgery Tutor Sponsored by Medtronic Ltd





Mr Rory McCloy BSS Tutor Sponsored by Mölnlycke Health Care





Mr Rob Sayers

Development Tutor for Foundation CCrISP™
Sponsored by RCS





Mr Joe McGoldrick ATLS® Tutor Sponsored by RCS





Mr Rang Shawis
Paediatric Surgery Tutor
Sponsored by charitable funding



Ruth McKeeISCP Tutor – Web Development
Sponsored by ISCP





Mr Kevin Sherman Tutor in Orthopaedic Surgery Sponsored by Stryker UK





Professor Michael McMahon Minimally Invasive Surgery Tutor Sponsored by Stryker UK





Mr Alistair Stirling
Spinal Surgery Tutor
Sponsored by Medtronic Ltd/
Stryker UK/DePuy UK/Synthes





Mr David Mitchell Oral and Maxillofacial Tutor Sponsored by RCS



Mr Aes Spo of P

Mr Norman Waterhouse Aesthetic Surgery Tutor Sponsored by British Association of Plastic Surgeons



Mr Rodney PeytonFaculty Development Tutor
Sponsored by RCS





Mr Alastair Windsor Coloproctology Tutor Sponsored by KCI Medical Ltd



SPECIALTY SKILLS PROGRAMMES

The Raven Department of Education offers surgical trainees an extensive range of courses across the specialties covering surgical, multidisciplinary and generic skills.

Working in partnership with the specialist advisory committees and specialist associations, our team of tutors and convenors work to ensure that the courses meet the needs of the profession. In each specialist area, the curriculum is constantly reviewed and developed to take account of national demands in

surgery and the latest technological advances. We currently offer a range of skills courses, building on the sound generic foundations of the Basic Surgical Skills course, for surgical trainees in years 2-4. These practical, hands-on workshops cover the operative procedures and anatomical knowledge regarded as essential to trainees in any given specialty. Courses teaching more complex procedures using anatomical prosection are available to trainees and consultants. These courses have been designed to provide training in some of the latest innovative techniques and advanced

procedures within a specialty. The latest examples of best practice, state of the art equipment and expert faculty combine to create unrivalled opportunities for learning new skills and procedures.

RAVEN TUTORS

The Raven tutor for each specialty – in close liaison with their specialist association and SAC – has mapped the profile of courses that are needed at key stages of progress throughout the six/seven years of surgical training, and that profile is continually monitored. This profiling enables us to identify any gaps where there is currently no provision and to develop courses to meet that need. The courses cover technical

Excellent course, taught me things I wish I knew at the beginning of my cardiothoracic job. Scenarios were particularly helpful and educational.

INTRODUCTORY CARDIAC SURGERY

THE CLINICAL EFFECTIVENESS UNIT (CEU)

The Clinical Effectiveness Unit (CEU) runs several courses for surgeons interested in research and evidence-based surgery:

STATISTICAL METHODS FOR SURGEONS

A three-day hands-on course that aims to help trainee and consultant surgeons to become more efficient at analysing their research data. The course covers the presentation of results, descriptive statistics,

significance tests and confidence intervals and regression analysis.

CLINICAL RESEARCH METHODS FOR SURGEONS

A two-day course aimed at trainee and consultant surgeons interested in clinical research and evidence-based surgery. The course covers clinical research methods needed to study the effectiveness of therapeutic interventions and the accuracy of diagnostic tests. The

participants will learn different ways to critically appraise the validity and applicability of research evidence on clinical effectiveness and to carry out a systematic literature review.

FINDING THE EVIDENCE

This course, which covers key skills, techniques and sources that can be used in literature searching, is run by the College Library to complement the Research Methods course.

For further details, please contact Jan van der Meulen on 020 7869 6600/6601, or email jmeulen@rcseng.ac.uk

skills and basic sciences, but also make links to experience in the workplace (as with the *Core Skills in Breast Disease Management* course that combines an open learning programme with on-the-job activities and regional seminars and skills workshops). In particular, customised *'core skills'* courses are developed in each specialty – focusing on the basic technical skills required beyond the first year of surgical training.

NEW INITIATIVES

The highly successful *Core Skills* in *Operative Orthopaedic Surgery* course has been significantly revised and is much more clearly aligned towards practical sessions preceded by short, focused lectures. It is now running in Liverpool, Sheffield and Cardiff with more centres planned.



CONTACTS

Further information about surgical training courses is available from the following:

Breast Surgery	020 7869 6332	breast@rcseng.ac.uk
Cardiothoracic Surgery	020 7869 6331	cardiothoracics@rcseng.ac.uk
Colorectal Surgery	020 7869 6332	coloproctology@rcseng.ac.uk
General Surgery	020 7869 6343	generalsurgery@rcseng.ac.uk
Neurosurgery	020 7869 6341	neurosurgery@rcseng.ac.uk
Oral & Maxillofacial Surgery	020 7869 6341	maxfac@rcseng.ac.uk
Orthopaedic Surgery	020 7869 6337	orthopaedics@rcseng.ac.uk
Otorhinolaryngology	020 7869 6341	ent@rcseng.ac.uk
Plastic Surgery	020 7869 6331	plastic@rcseng.ac.uk
Paediatric Surgery	020 7869 6343	paediatric@rcseng.ac.uk
Urology	020 7869 6331	urology@rcseng.ac.uk
Vascular Surgery	020 7869 6332	vascular@rcseng.ac.uk

Superb course, enthusiastically taught at an appropriate level.

BASIC SURGICAL ANATOMY OF THE HEAD AND NECK

Brilliant – a must for all upper GI trainees

G2 GASTRECTOMY

SPECIALTY SKILLS PROJECTS

SENTINEL LYMPH NODE BIOPSY

The Department has been working on a collaborative project led by **Professor Robert Mansel** of the University of Wales College of Medicine, a world expert in sentinel lymph node biopsy, to develop an exciting new multidisciplinary training programme.



The Programme begins with the surgical team attending a theory training day at one of the four regional centres and is followed by two days of intensive in-hospital training by a visiting faculty team. There is then a process of validation of 25 cases which surgeons must document for the programme to be completed. The two year programme is being rolled out under the guidance of **Miss Fiona MacNeill**,

our Tutor in Breast Surgery, and is expected to finish at the end of 2006.

MINIMALLY INVASIVE SURGERY

Professor Michael Bailey and
Professor Michael McMahon have
been developing courses at basic,
intermediate and advanced levels to
form a national training programme
in laparoscopic surgery. The courses
have been integrated into the
overall surgical training curriculum
and will be supplemented by high
quality learning materials. A regional
network has been established to
deliver these courses to ensure
that training in laparoscopic surgery
throughout the country is consistent
and of a high standard.

THE CARDIAC WETLAB PROJECT

The value of skills training in a skills lab setting is now well recognised, and we have produced an educational package to support cardiac surgical units in setting up their own cardiac skills training laboratory. Supported by the Department of Health and St Jude Medical, the package

includes a guide to establishing and running a permanent skills lab, a series of DVDs illustrating common cardiac surgical procedures and a workbook for trainees to record their self directed learning. It is hoped that this project will enable the development of skills training in every cardiac surgical unit across the country.

Early indications are that repeated practice in the wetlab reduces the number of times a trainee needs to repeat a clinical procedure under supervision, before being deemed competent to carry it out without that direct supervision. A working group, with representation from The Royal College of Surgeons of England, the Society of Cardiothoracic Surgeons of Great Britain and Ireland, and the Medical Education Department at the University of Dundee, has been formed to evaluate these educational resources, and a framework for this evaluation has already been agreed.

SPECIALTY CORE SKILLS PROJECT

The nine specialty and three subspecialty programmes offered by the Raven Department of Education all currently include a 'Core Skills' course. This has been introduced to provide surgical trainees with the knowledge and skills essential to the initial years within a specialty.

Given the reduced opportunities for training in the workplace, these courses are vital for equipping new surgeons with the proficiency to deliver high standards of patient care.

The aim of this project is to provide revised courses for all specialties and sub-specialties that reflect the Intercollegiate Surgical Curriculum Project and to publish accompanying educational resources, which include participant and faculty handbooks and a DVD for each course. It is anticipated that the specialty Core Skills courses will become essential components of the new surgical curriculum.

INTERNATIONAL ACTIVITIES

AN INTERNATIONAL RESOURCE: THINKING GLOBALLY, ACTING LOCALLY

PROFESSIONAL DEVELOPMENT COURSES

Training the Trainers

A two-day course for surgeons who are concerned to develop their role as educational, as well as clinical, practitioners.

SURGICAL SKILLS COURSES

Basic Surgical Skills

A three-day course for trainees in their first surgical post, teaching "one safe way" to develop techniques such as knotting, suturing, anastomosis etc.

Specialty-based Skills

"Core skills" courses are available within each surgical sub-specialty.

Multiprofessional Skills

Short courses in colonoscopy are available for the whole surgical team.

TEACHING AND LEARNING RESOURCES

Print and multimedia materials supporting our courses are available for sale. Check our website for catalogue and order form — www.rcseng.ac.uk/international/sales

PROJECTS

Commonwealth project

The College offers an adaptation of the three-day *Basic Surgical Skills* course: *Introduction to Surgical Skills* – developed with assistance from The Commonwealth of Learning. This is a teaching resource pack of flexible materials that can be adapted according to local needs.

European Reconstruction Agency

The College is also assisting
University Hospital in Pristina with
the development of courses and
curriculum for new training systems
being introduced in Kosovo.

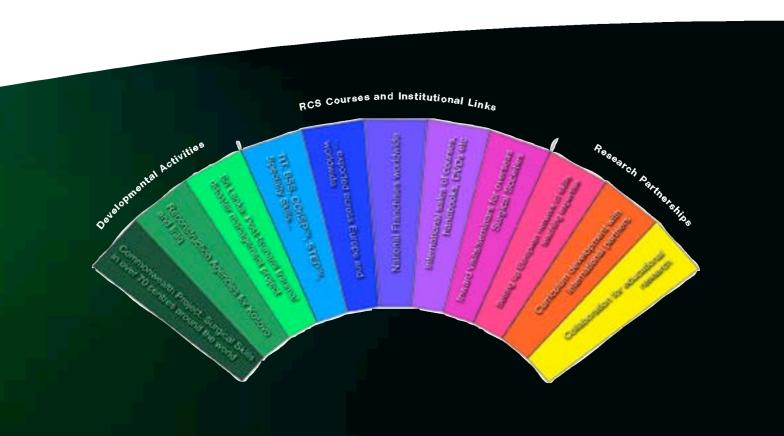
DEVELOPMENT INITIATIVES

In addition the College is collaborating with international partners in the areas of:

- curriculum development
- educational research
- networking of skills-teaching expertise

INTERNATIONAL SKILLS NETWORK

Visit the International Network for Learning and Teaching Skills (INLTSS) website at www.rcseng.ac.uk/international



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The Raven Department of Education gratefully acknowledges the help and support of all the corporate, trust and individual donors and partners listed below. Without their energy and involvement, we would not be able to offer such high quality courses.

WORKING WITH INDUSTRY

The Raven Department of Education has championed many new approaches to surgical education and offers an unparalleled portfolio of postgraduate courses. Keeping pace with new technology and techniques within surgery, both intellectually and financially, is a constant challenge. Industry support - providing equipment, technical expertise and funding has been crucial in enabling the College to develop and enhance its training programmes. The College is keen to work with its colleagues in industry to sustain the highest quality surgical education and training and believes cooperation and mutually beneficial partnerships are vital for the continued success of these programmes.

The College has a wealth of experience in organising and participating in some of the most innovative and successful partnerships and is committed to delivering an efficient, creative and flexible service. Sponsorship offers a range of opportunities to work collaboratively with the College and a unique opportunity to communicate with the surgical community, enabling Industry to:

- Raise company and brand awareness with a variety of targeted audiences
- Enhance company image through association with the College's educational programme
- · Increase sales and build customer loyalty
- Improve teamwork, morale and commitment amongst sales teams
- Develop initiatives that complement other marketing activities

For further information please call on 020 7869 6081 or email development@rcseng.ac.uk

The Ashley Charitable Trust
The Bernard Sunley Foundation
British Association of Plastic Surgeons
The Frances and Augustus Newman
Foundation

