



PROSPECTUS

HCS Post Graduate Diploma
In Principles of Navigation and Robotic
Assisted Total Knee Arthroplasty



HEALTHCARE SKILLS
Training International

**The integrity of industry standards
is the future of patient safety**

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HCS Post Graduate Diploma In Principles of Navigation and Robotic Assisted Total Knee

DAY ONE

Registration & Coffee	08.30
Introduction to course and CAS	08.45
Revision of Knee Arthroplasty Principles	09.00
What's behind CT free navigation	09.20
What's behind Image based navigation and robotic	10.00
BREAK	
Theatre set up, Trackers, Robots and Registration	11.00
Alignment and Measured Resection Technique in TKA	11.20
Alignment and Gap Balanced Technique in TKA	11.40
Algorithm for soft tissue balancing using technology	11.55
Differences between tracking systems	12.30
LUNCH	
What is the evidence? More than 25 years after it all started	13.40
Workshop Introduction	14.10
	14.40

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WORKSHOP 1

(Navigation/Robotics)

14.45

BREAK

15.45

WORKSHOP 2

(Navigation/ Robotics)

16.00

Ethics

16.45

Summary/Questions and Answers

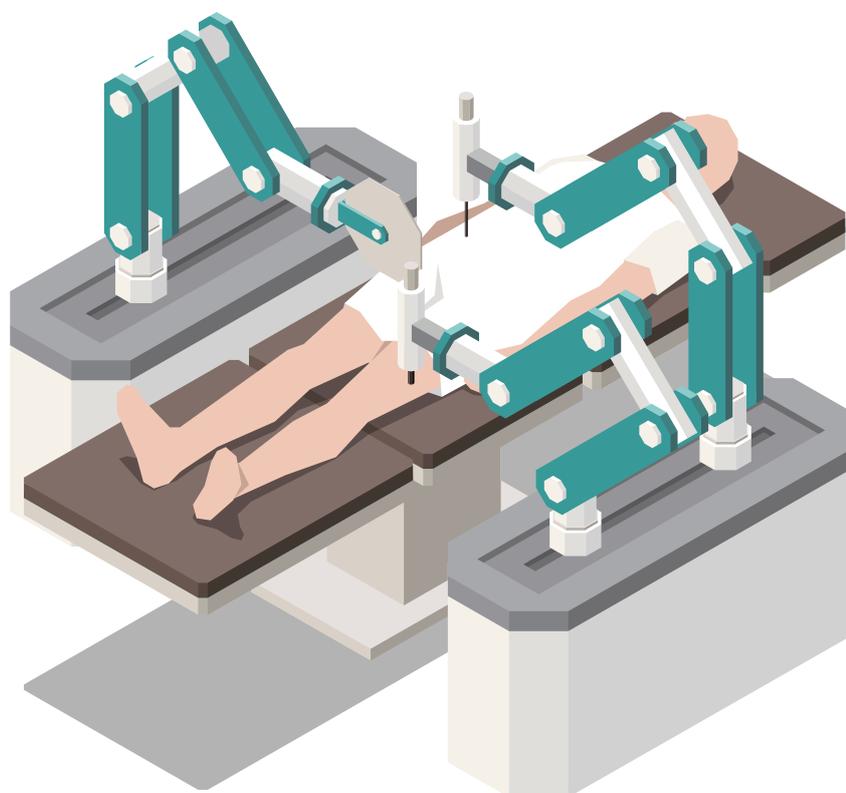
17.20

CLOSE

17.30

Course Dinner

19.30



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DAY TWO

Arrival/Coffee	08:30
Introduction What do we need to know and do by the end of the day	08:45
Recap Day 1: Ask the faculty?	08:50
Patient Specific Guides	09:10
Robotics in Orthopaedic Joint Replacement: principles	09:20
Robotics in Knee Replacement: systems	09:40
BREAK	10:20
The Computer as a Teaching Tool	10:35
Risks and Complications	11:05
Workshop (Other Technologies)	11:30
LUNCH	13:30
Evolution of Surgical Workflows	14:00
Assessment introduction	14:30
Workshop 1 Assessment	14:35
BREAK	15:15
Workshop 2 Assessment	15:30
Summary/Questions and Answers	16:15
CLOSE	16:30

COURSE COSTS



£1500 (plus VAT) per delegate

£1250 (plus VAT) per delegate for CAOS members

INCLUDES

£235 (plus VAT) per delegate for the qualification registration paid to The Regulated Awarding Body

REGISTER

If you would like to register for a place on this course, please email: jane@healthcareskills.com

OR TO BOOK AND PAY ONLINE CLICK THIS LINK

<https://healthcareskills.com/product/post-graduate-diploma-in-principles-of-computer-assisted-orthopaedic-surgery/>

FACULTY LEADERS

Rashid Abu-Rajab

Frederic Picard

Alberto Gregori

Frank Foley

Dinesh Nathwani

Joe Baines

Andrew Johnston

Toni Papadopoulos

Ferdinando Rodriguez Y Baena

Jason Roberts

Nick Ohly

Consultant Orthopaedic Surgeon

Consultant Orthopaedic Surgeon

Consultant Orthopaedic Surgeon

Senior Industry Professional

Consultant Orthopaedic Surgeon

Consultant Orthopaedic Surgeon

Consultant Orthopaedic Surgeon

Consultant Orthopaedic Surgeon

Professor in Medical Robotics

Consultant Orthopaedic Surgeon

Consultant Orthopaedic Surgeon



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INFORMATION

Level: 7
Entry Criteria: Qualified medic with minimum 3 years experience in Orthopaedic Surgery

Description

This qualification develops the knowledge and skills relevant to navigation and robotic assisted knee arthroplasty. Pre-course study examines contemporary prosthetic knee alignment and balance rationale and the principles of navigation and robotic assisted arthroplasty. The course examines the methodology of using navigation and robot for surgical planning, decision-making and execution. Practical workshop sessions develop and assess the delegate's comprehension of the software and surgical workflows

Assessment Criteria

As a professional qualification there are four key elements to be assessed:

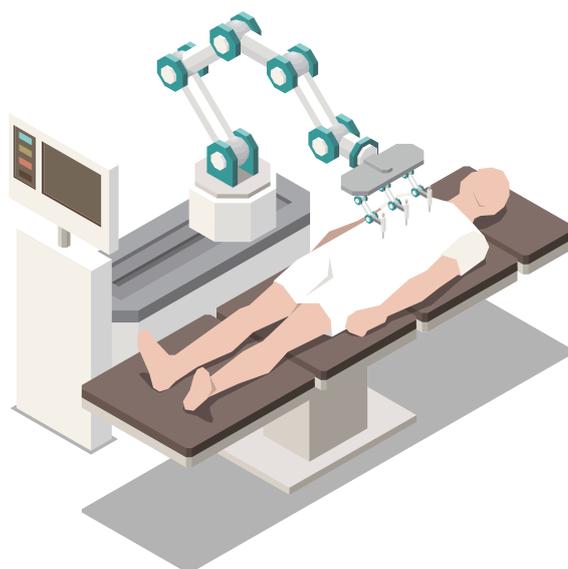
- Knee alignment principles
- The principles of optical, electromagnetic and other tracking systems
- Medical imaging techniques
- Soft tissue and joint gap management

This unit will be assessed through four different activities:

- Verbal technical instruction exercises providing reasoned arguments for decision
- Candidates will complete a multiple-choice questionnaire covering all aspects of the unit
- Orthopaedic Science case study presentations
- Written exercise on Principles of knee alignment and balancing

Delivery

The programme will be delivered through formal presentations, problem based learning and practical clinical (bio skills) sessions administered and facilitated by clinical educators with the defining experience and qualifications.



Those who have completed Healthcare Skills Training International courses include:

- Practicing medics (surgeons, physicians, all medical practitioners)
- Pharmacists
- Nurses
- Medical Device company representatives
- Pharmaceutical company representatives
- Regulatory personnel in companies that manufacture, sell or place medical devices on the market
- Veterinarians

“ Healthcare Skills International ensure that the highest ethical, legal and teaching standards are maintained through the delivery of our professional qualification programmes ”

Clinical Lead for Healthcare Skills International

The outcomes for those who successfully complete them are:

- An understanding of what constitutes best practice and key skills in a clinical environment
- A firm grasp of legal obligations in hospital and clinical settings
- An ability to assimilate the expectations of members of the clinical team
- The acquisition of skills that will help to improve training approaches and skills to maximise clinical output
- An understanding of detailed regulatory requirements and implications of medical device legislation
- The potential to develop their skill sets to a level of medical device formal/corporate sign-off
- An understanding of obligations relating to the sale of and correct patient use of medical devices and required reporting/record-taking

All those who take part in our courses are able to legitimately demonstrate a level of competence that meets all relevant professional requirements reflecting the national qualifications framework.

Healthcare Skills provide the following qualifications framework that is defined by national standards and meets all relevant requirements and registration systems:

- Post-graduate Diploma in Computer Assisted Surgery
- Post-graduate Diploma in Clinical Education
- Orthopaedic Healthcare Industry Professional Diploma
- Media engagement for healthcare professionals – Certificate and Diploma
- Suite of medical device regulatory and medical device commercial qualifications – Certificate and Diploma
- Advanced Professional Award in Hospital Procurement
- Hospital Access/Theatre (OR) Skills – Professional Award
- Pharmaceutical Ethics – Certificate and Diploma



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Healthcare Skills Training International are proud to be in partnership with:

Cochlear UK & Europe

Computer Assisted Orthopaedic Surgery (CAOS, BOA)

University of Madrid (Fannin, Medical Device Regulations)

Barema

OUR TRAINING VENUES

GOLDEN JUBILEE NATIONAL HOSPITAL,
National Waiting Times Centre Board, Golden
Jubilee National Hospital, Beardmore Street,
Clydebank,
G81 4SA,
UK.

HOSPITAL NISA 9 DE OCTUBRE,
Valle de la Ballestera 59, 46015
Valencia,
Spain.

LEITER HOTELLERIE,
Spital und Gesundheitszentrum SANITAS,
Grütstrasse 60,
8802 Kilchberg,
Switzerland.

LA SALLE CENTRO UNIVERSITARIO
C/ La Salle, 10,
28023 Madrid,
Spain.

HOSPITAL NISA PARDO DE ARAVACA,
La Salle, 12,
28023 Madrid,
Spain.

NISA SEVILLA ALJARAFE HOSPITAL,
Avda. Plácido Fernández Viagas, s/n 41950
Castilleja de la Cuesta Sevilla,
Spain.

ADDENBROOKE'S HOSPITAL
Cambridge University Hospitals,
Hills Road,
Cambridge,
CB2 0QQ.

CHARING CROSS HOSPITAL
Fulham Palace Road,
London
W6 8RF



HOW DO HEALTHCARE SKILLS INTERNATIONAL WORK WITH EDUQUAL?

Healthcare Skills International is an approved audited education centre, delivering a range of professional, competence-based qualifications awarded by EduQual.

Why do Healthcare Skills work with EduQual?

1. Professional Healthcare Skills qualifications developed with employers.

EduQual work with the relevant sector skills bodies and industry professionals to ensure that the qualifications they offer meet the needs of employers and provide the latest industry thinking.

2. Guaranteed and reliable quality

EduQual is underpinned by a commitment to meeting the highest standards of quality. Qualifications are developed in line with the standards specified on the Qualifications and Credit framework (QCF) produced by the UK's national qualifications regulator ofqual.

3. Delivering 'fit for purpose' ready certified professionals.

Completing an EduQual professional qualification with Healthcare Skills means you are ready to enter the workplace. Each candidate is certified by eduQual as having demonstrated that they have the skills they need to operate effectively in their chosen industry.

With EduQual qualifications delivered by Healthcare Skills, corporations' representatives can provide externally validated evidence of competence to demonstrate, teach, support and promote their products.

EduQual is a UK awarding organisation which develops and accredits qualifications designed to meet the needs of learners and industry sectors and to provide individuals with opportunities for personal and professional development.

EduQual qualifications are based on the National Qualification Framework which consists of Awards, Certificates and Diplomas following levels set by ofqual, the regulator for qualifications in England.



“ Working with EduQual has been a great success. Through EduQual, Healthcare Skills are able to deliver professional qualifications based on professional standards. There are many training courses available for business professionals; the advantage of EduQual courses is that learners achieve professional qualifications”

Diane Irvine, CEO, Healthcare Skills



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Qualification Level	Award 10-120 Hrs	Certificate 130 - 360 Hrs	Diploma 370 - 900	Extended Diploma >900 Hours	Level Descriptors
7	Postgraduate Award	Postgraduate Certificate	Postgraduate Diploma	Extended Postgraduate Diploma	Achievement at level 7 reflects the ability to reformulate and use relevant understanding, methodologies and approaches to address problematic situations that involve many interacting factors. It includes taking responsibility for planning and developing courses of action that initiate or underpin substantial change or development, as well as exercising broad autonomy and judgment. It also reflects an understanding of relevant theoretical and methodological perspectives, and how they affect their area of study or work.
6	Graduate Award	Graduate Certificate	Graduate Diploma	Extended Graduate Diploma	Achievement at level 6 reflect the ability to refine and use relevant understanding, methods and skills to address complex problems that have limited definition. It includes taking responsibility for planning and developing courses of action that are able to underpin substantial change or development as well as exercising broad autonomy and judgement. It also reflects an understanding of different perspectives, approaches or schools of thought and the theories that underpin them.
5	Advanced Professional Award	Advanced Professional Certificate	Advanced Professional Diploma	Extended Advanced Professional Diploma	Achievement at level 5 reflects the ability to identify and use relevant understanding, methods and skills to address broadly-defined, complex problems. It includes taking responsibility for planning and developing courses of action as well as exercising autonomy and judgment within broad parameters. It also reflects understanding of different perspectives, approaches or schools of thought and the reasoning behind them.
4	Professional Award	Professional Certificate	Professional Diploma	Extended Professional Diploma	Achievement at level 4 reflects the ability to identify and use relevant understanding, methods and skills to address problems that are well defined but complex and non-routine. It includes taking responsibility for overall courses of action as well as exercising autonomy and judgment within fairly broad parameters. It also reflects understanding of different perspectives or approaches within an area of study or work.
3	Advanced Award	Advanced Certificate	Advanced Diploma	Extended Advanced Diploma	Achievement at level 3 reflects that ability to identify and use relevant understanding, methods and skills to complete tasks and address problems that, while well defined, have a measure of complexity. It includes taking responsibility for initiating and completing tasks and procedures as well as exercising autonomy and judgment within limited parameters. It also reflects awareness of different perspectives or approaches within an area of study or work.
2	Intermediate Award	Intermediate Certificate	Intermediate Diploma	Extended Intermediate Diploma	Achievement at level 2 reflects the ability to select and use relevant knowledge ideas, skills and procedures to complete well-defined tasks and address straightforward problems. It includes taking responsibility for completing tasks and procedures and exercising autonomy and judgment subject to overall direction or guidance.
1	Foundation Award	Foundation Certificate	Foundation Diploma	Extended Foundation Diploma	Achievement at level 1 reflects the ability to use relevant knowledge, skills and procedures to complete routine tasks. It includes responsibility for completing tasks and procedures subject to direction or guidance.
Entry	Entry Award	Entry Certificate	Entry Diploma	Extended Entry Diploma	Achievement at Entry level reflects progress towards making use of skills, knowledge and understanding (i) that relate to the immediate environment, or (ii) to carry out simple familiar tasks and activities with guidance, or (iii) to carry out structured tasks and activities with guidance.



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