



e-learning for advanced radiotherapy techniques



Introduction

Radiotherap-*e* is a web-based educational resource for **Advanced Radiotherapy** produced in partnership with the Royal College of Radiologists, the Institute of Physics and Engineering in Medicine, the Society and College of Radiographers and DH e-Learning for Healthcare.

Purpose

Over the past decade, radiotherapy has seen unprecedented advances in technology and techniques, many of which incorporate new concepts and skills which may be unfamiliar to the current workforce. The aim of Radiotherap-*e* is to provide on-line resources to support the development of the necessary knowledge and practical skills to implement advanced radiotherapy techniques safely and efficiently.

Content

Radiotherap-*e* offers multi-professional learning resources for the trained workforce involved in the delivery of radiotherapy, including oncologists, physicists, radiographers and dosimetrists.

Currently, the programme comprises four modules:

- **Module 1** Image-guided brachytherapy for cervix cancer
- **Module 2** Intensity-modulated radiotherapy
- **Module 3** Stereotactic radiotherapy
- **Module 4** Prostate brachytherapy

Each module consists of several sessions, designed to contain informative and engaging content to interest the trained professional. Aspects covered include image interpretation and target volume delineation, dosimetry planning and optimisation, quality assurance and patient care. The sessions include a variety of media including text, images, animations, videos and assessments, as well as a number of customised tools which simulate everyday tasks in the radiotherapy process.

Focus

The emphasis in Radiotherap-*e* is to share the lessons learned through experience of the practical aspects of implementing advanced radiotherapy techniques, including 'shortcuts' and 'pitfalls' and topics of uncertainty for consideration. There is extensive use of clinical examples which inevitably reflect the personal experience of the authors. Comparisons of different techniques, equipment and protocols, together with their rationale, are included so that users can evaluate the application and relevance to their own practice. References are included where appropriate but there is no attempt to provide a comprehensive review of the evidence base.

It is recognised that in any emerging field, knowledge is incomplete and will inevitably change with time. The content of Radiotherap-*e* is therefore not meant to be exhaustive but to stimulate critical thinking and discussion amongst those implementing the technique.

**For more information or to register, please visit
www.e-lfh.org.uk/radiotherap-e**



e-Learning for Healthcare is a Department of Health programme working in partnership with the NHS and professional bodies to provide high quality e-learning content for the training of the healthcare workforce across the UK



Editorial Board

The Radiotherap-e Editorial Board was formed to oversee the overall content development for the project. The Board is responsible for ensuring that the content is of appropriate breadth and depth and addresses the needs of the three professions.

Members of the Editorial Board were nominated by their respective professional bodies:

RCR

Dr Li Tee Tan (Clinical Lead)
Prof Peter Hoskin
Dr Charles Kelly
Dr Gerry Hanna (SpR)

Cambridge University Hospitals
Mount Vernon Hospital
Newcastle Cancer Centre
Belfast City Hospital

IPEM

Margaret Bidmead (IPEM lead)
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