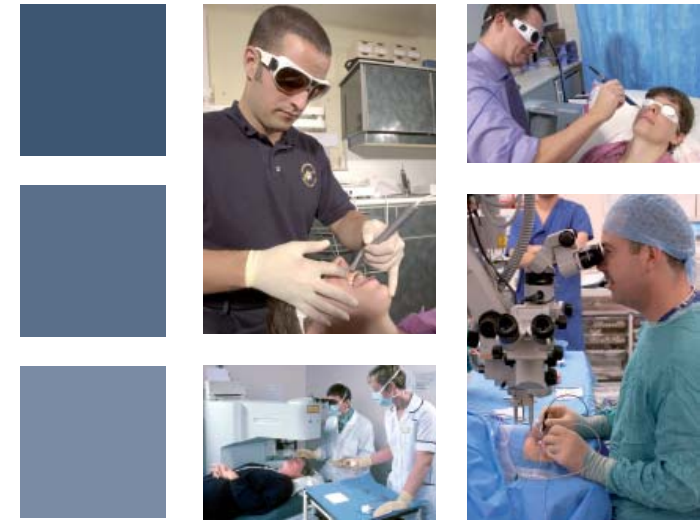


## Laser and IPL Sources Safety Training

A training course for Medical, Dental and Aesthetic Applications



2 July 2009

HPA Training Centre Chilton

HPA Radiation Protection Division  
 Centre for Radiation, Chemical and Environmental Hazards  
 Chilton Didcot Oxon OX11 0RQ UK

### Course Contents and Delegate Suitability

This course aims to cover the 'Core of Knowledge' syllabus identified in Appendix C of the

- MHRA 'Guidance on the Safe Use of Lasers, Intense Light Source Systems and LEDs in Medical, Surgical, Dental and Aesthetic Practices' (DB2008(03))

and also the topics identified in Annex D of the BSI guidance document

- PD IEC/TR 60825-8:2006 'Safety of Laser Products, Part 8: Guidance for the safe use of laser beams on humans'.

It covers the training requirements of:

- Private and Voluntary Health Care (England) Regulations 2001 and the Private and Voluntary Health Care (Wales) Regulations 2002 (excluding Regulation 42(2)(a))
- National Minimum Standards

### Delegates

This course is suitable for the laser/IPL user involved in safety or management of these devices.

### Further Information

For general information about any other radiation protection matters contact the

Press and Information Group  
 Health Protection Agency  
 Centre for Radiation, Chemical and Environmental Hazards  
 Chilton Didcot Oxon OX11 0RQ

Tel +44 (0) 1235 822742  
 email [chiltoninformationoffice@hpa.org.uk](mailto:chiltoninformationoffice@hpa.org.uk)  
[www.hpa.org.uk/radiation](http://www.hpa.org.uk/radiation)

## Provisional Contents

- Basic Physical Properties of Lasers and Intense Pulsed Lights (IPL)
- A Brief Overview of the Applications of Lasers and IPLs
- Properties of the Output Characteristics of Lasers and IPLs
- The Effects of Laser and Optical Radiation on Biological Tissues
- Protective Responses to Optical Radiations
- The Maximum Permissible Exposure (MPE) and Nominal Ocular Hazard Distance (NOHD)
- Quantifying Hazards from Lasers and IPLs, including Non-beam Hazards
- General Health and Safety Legislation, and Specific Optical Legislation, Guidance and Standards
- The Laser Classification System
- Examples of Adverse Laser Incidents
- Basic Risk Assessment Applied to Uses of Lasers and IPLs
- Practical Laser Safety, Covering the Hierarchy of Engineering and Administrative Controls, and Personal Protective Equipment (PPE)
- A Practical Tool for Managing Optical Radiation Safely in the Workplace

It is also anticipated that representatives from the Healthcare Commission (HCC) and the Medicines and Healthcare Regulatory Agency (MHRA) will speak about the views of these organisations on a variety of laser and intense light source practices. This session is subject to confirmation.

The course will end with an open discussion session. It is anticipated that the course will run from 9.30 - 16.45.

## Fee

£245 per delegate. Morning coffee, buffet lunch and afternoon tea will be included.

## Lecturers

The lecturers will be staff from HPA Radiation Protection Division and invited speakers, all of whom are specialists in the topics covered by the course.

## Enquiries

Administration and booking enquiries should be made to the Training Centre.

Tel +44 (0) 1235 822701  
Fax +44 (0) 1235 822601  
email chilton.training@hpa.org.uk

Technical enquiries should be made to the Course Manager, Steve Pritchard

Tel +44 (0) 1235 822681  
Fax +44 (0) 1235 822650  
email steve.pritchard@hpa.org.uk

## Summary of Booking Conditions

- 1 Closing date is four weeks before scheduled course date.
- 2 Applications will be regarded as provisional until such time as the full course fee has been paid.
- 3 Completed application forms should be sent with full payment to the address overleaf. Payment can be made by cheque, payable to the 'Health Protection Agency', credit card over the telephone or by completing the Application Form available from the HPA website under the Training & Events section at [www.hpa.org.uk](http://www.hpa.org.uk). All payments must be made in pounds sterling. Facilities for electronic payment are available on request from the Training Centre.
- 4 Invoices will not be issued.
- 5 Accepted applicants will be sent joining instructions prior to the course.
- 6 Cancellations of confirmed bookings will incur a charge of £50 per place when made 14 or more days prior to the course start date. Full payment will be due for cancellations made less than 14 days prior to the course start date. Substitutions may be made at any time by notification to the Training Centre in writing. HPA reserves the right to cancel any course due to circumstances beyond its control and its liability shall be limited to the refund of fees paid.
- 7 The course is not to be recorded in any way without prior knowledge of HPA. Material supplied on the course is subject to copyright and must not be duplicated in whole or in part.
- 8 Full HPA Terms and Conditions apply and can be found under the Training & Events section at [www.hpa.org.uk](http://www.hpa.org.uk).

Please note HPA has a No Smoking policy on its property

## Laser and IPL Sources Safety Training

2 July 2009

### HPA Training Centre Chilton

- Cheque enclosed for £245  
 I have paid by credit card  
 I will pay by BACS (please contact the Training Administrator)

Title
Surname
Forename(s)
Employer and address
Postcode and country
Nationality
Tel
Fax
email
Alternative correspondence address
Postcode and country
Please state any dietary or other special needs
I confirm that I have read and agree to the Full Terms and Conditions of booking available on the HPA website
Signed _____ Date _____
Print name
Course Reference No. LIS/LXRY