

Laser/Intense Light Source (ILS) 'Core of Knowledge' Course

Looking for an interactive and information packed day learning about laser and light devices and aesthetic applications?

Then why not join us at one of our Workshops at the Mapperley Park Academy

Dr. Elizabeth Raymond Brown, RPA2000 Certified Laser Protection Adviser, will be delivering our next laser/light 'Core of Knowledge' course so you can be assured of a great day of learning, giving you a solid foundation in all things laser and intense light! The day will include lots of questions and answers, videos and full supporting reference notes together with a Certificate of Attendance.

If you are just starting out in laser/light therapies and need to know about different devices, how to choose your system, setting up a clinic, or safe practice and compliance, then this is the course for you. Or if you need refresher training and an update on laser and light therapies this is a great course to attend.

Evidence of 'Core of Knowledge' is a requirement for laser/light protection supervisors, authorised users and assisting staff using lasers (Class 3R, 3B and 4) and intense light sources (ILS)/IPL devices.

The 'Core of Knowledge' syllabus is a list of 20 topics that all laser/light users are expected to know – ranging from basics of laser and light devices, safety, risk assessment and the role of the Laser Protection Advisers (LPA) and Supervisors. (MHRA document: Lasers, intense light source systems and LEDs – guidance for safe use in medical, surgical, dental and aesthetic practices. September 2015.)

Format for the Day

0945 - – Welcome and Introductions

1015 - 1115 Laser/Intense light technologies and aesthetic applications

1115 - 1130 *Tea/Coffee Break*

1130 – 1300 Light-Tissue Interactions – equipment variables, treatment variables, looking at your device specifications and getting the best from your system

1300 - 1345 *Lunch*

1345 – 1500 Laser/ILS devices and associated hazards – safety and compliance issues

1500 – 1515 *Tea/Coffee Break*

1515 - 1600 Working safely in the Laser/ILS Controlled Area - safety management, protective eyewear, implementing Local Rules, etc.

1600 - Questions and Answer Session, Departure

Here are what our attendees say from our latest face-to-face courses (Feb & May 2019)

"A brilliant day, it covered exactly what I wanted to know"

"I am very glad I have attended this course"

"Very easy to follow and very informative, very happy with the whole day"

"Absolutely and even beyond [my expectations] as Dr Brown gives a lot of very useful advice and information"

"Training was fantastic, I really enjoyed it thank you for your time"

"Extremely helpful, not once did I feel lost or bored, I loved the training"

"Dr Elizabeth is amazing tutor. Lots of new information and knowledge I have learned"

"Thank you Liz, very much enjoyed this day".

About the quality of presentations, course notes and overall rating – 5/5 from all delegates. About the course duration and level – perfect!

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Course Tutor: Dr Elizabeth Raymond Brown of Laser Education Limited

The 'Core of Knowledge' Syllabus is defined in the MHRA: Lasers, intense light source systems and LEDs – guidance for safe use in medical, surgical, dental and aesthetic practices. September 2015.

During the day we will discuss the topics below supported with full reference notes, videos and examples of laser/light therapies.

Fundamentals of optical radiation devices and their interaction with tissue

- Understand how the different types of optical radiation are produced, what types of active media are used, and emission modes and delivery systems.
- Understand the characteristics of optical radiation emitted from different types of equipment.
- Be familiar with the intended purpose of the optical radiation equipment.
- Understand the effects of optical radiation exposure to eyes, skin and other tissue.

Hazards and how to control them

- Understand the principles of risk assessment.
- Be aware of the effects of exposure and health hazards, including eye, skin and tissue, which can arise from the use of laser, IPL or other optical radiation equipment.
- Be aware of the basic principles of the maximum permissible exposure levels and how to keep exposure of unprotected skin and eyes below these levels.
- Understand the hazards from optical radiation equipment, including optical beams, electrical hazards, equipment malfunctions, fire risks and smoke plume effects.
- Understand the hazards to patients and clients and the methods of minimising risks.
- Understand the hazards associated to the different staff groups and methods for minimising risks.
- Understand the hazards from reflections or absorption of the optical radiation beam with respect to instruments, or reflective surfaces, or other equipment.
- Understand the hazard control procedures, including the use of personal protection.
- Be familiar with the additional precautions that may be necessary when undertaking non-routine activities with the equipment.

Safety management

- Be familiar with the basic principles of the administration of safety.
- Be aware of the relevant legislation, standards and hazard classifications relevant to lasers, IPLs and LEDs.
- Understand the safety procedures and policies governing optical radiation equipment use, including the local rules, and controlled area.
- Understand the role of the laser protection adviser, laser protection supervisor, authorised users and assisting staff.
- Be aware of the principles and requirements of equipment quality assurance processes and procedures.
- Be aware of the meaning of the warning labels and signs associated with optical radiation equipment.
- Understand the general principles of emergency action and how to report accidents.