

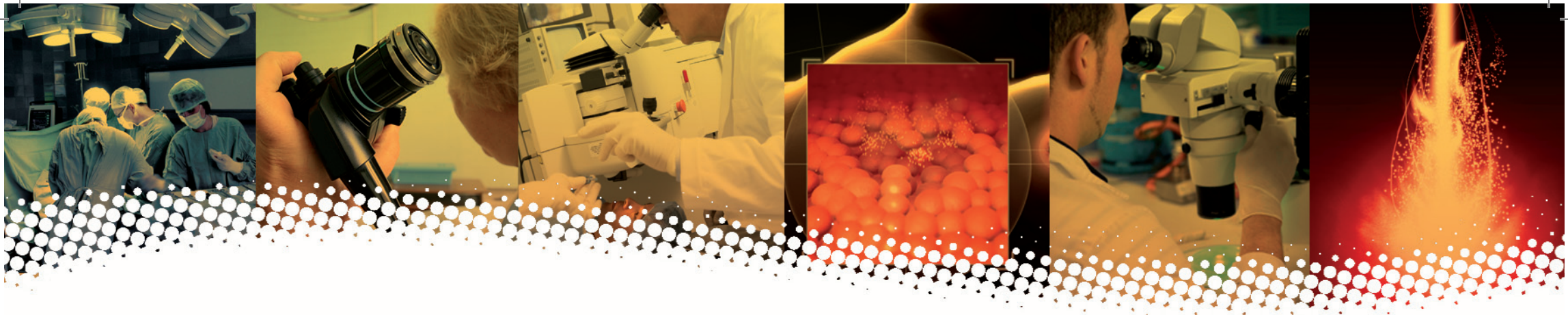
Because safe laser working practices
mean safe staff, patient trust and legislation compliance

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Light and Laser Safety Solutions

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LASER SAFETY **FOR HOSPITAL STAFF**

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LASER SAFETY FOR HOSPITAL STAFF

Medical lasers are very powerful diagnostic and therapeutic tools used in many fields of medicine. Laser radiation is delivered to the patient tissue using accessories such as dispensers, optic fibres, focusing lenses or guides. However, laser systems of Class 3B and of Class 4 can also cause very serious injuries to eyes and skin of laser operators, hospital staff and patients if they are not used properly.

WHO

This course has been specially prepared for operators of laser systems used for medical applications such as:

- Urology
- Gynaecology
- Neurosurgery
- Gastroenterology
- Dermatology
- Angiology
- Ophthalmology

THE COURSE AIMS TO

- Raise laser safety awareness
- Making sure laser instruments are used safely
- Minimise risks to laser operators and patients
- Satisfy training requirements of RD486/2010 and Spanish and international standards and/or technical reports

The course was designed using relevant standards and guidelines from the Asociación Española de Normalización y Certificación (AENOR) and the International Electrotechnical Commission (IEC).

The course outline:

- Radiation and optical radiation
- Laser properties (generation and propagation)
- Laser instruments (accessories and medical applications)
- Laser-tissue interaction (eye and skin)
- Laser accident statistics and causes
- Exposure & maximum permissible exposure
- Selection of appropriate laser safety eyewear
- Legislation and regulatory environment (relevant laws, RD and standards)
- Laser safety management:
 - Risk assessment
 - Administrative controls
 - Equipment management and quality assurance
 - Engineering controls

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