



2-Day Laser Safety Officer Course

Running concurrently with the 6th National Laser & Cosmetic Medicine Conference

Laser Concepts in Healthcare[®]

Saturday 25 - Sunday 26 September 2010 | Marriott Resort & Spa, Gold Coast, Qld

Registration Fees: **Early Bird • Before Friday 13 August 2010 • \$650** | Regular Fee • After 13 August 2010 • \$700



PRESENTER **Penny J Smalley RN, CMLSO**

As a self employed consultant, Ms Smalley works with healthcare facilities, government agencies, industry and professional organisations to provide and maintain comprehensive clinical laser programs. Services include education and training, safety auditing, program planning and development, standards compliance and related support.

Ms Smalley represents ACORN (Australian College of Operating Room Nurses) to Australian Standards (4173), and is an appointed member of the IEC (International Electrotechnical Commission).

This seminar is designed to introduce the fundamental concepts of laser science, technology and safety to a range of medical professionals including physicians, nurses, aestheticians, biomedical technicians, administrators, safety management personnel and other interested healthcare providers. Clinical lasers of all wavelengths, applied to a variety of specialties, will be highlighted through lectures, discussions, and interactive sessions.

The Australian / New Zealand National Standard (AS / NZ 4173), Australian College of Operating Room Nurses (ACORN) Practice Standards and the International Standard (IEC 825) will be used as a basis for safety instruction.

On completion, seminar participants will be able to:

- Discuss the fundamental concepts of laser science, biophysics, and laser tissue effects in current clinical use
- Identify the components of commonly used laser systems, delivery devices, and accessory instrumentation
- Determine hazards associated with healthcare laser systems, and appropriate control measures required of perioperative personnel
- Discuss both current and emerging clinical applications of lasers in surgical and medical specialties

SATURDAY 25 SEPTEMBER 2010

8.00am Welcome and Registration

8.30 **Photonics.....but I'm not an engineer !!!**

- Laser science and systems
- Laser light generation
- Characteristics of light
- Tissue interactions
- Parameters & dosimetry
- Instrumentation

10.00 *Morning Tea*

10.20

- Laser science & systems *cont*
- Photochemistry
- Photothermal effects
- Photoablation
- Electromagnetic interactions and systems

12.00 *Lunch*

1.00pm

- Administrative controls
- Demystifying standards
- Role of Laser Safety Officers
- Engineering controls

2.30 *Afternoon Tea*

2.50

- Risk management
- Documentation
- Education and credentialing
- Technical management
- Audit and Quality Assurance

SUNDAY 26 SEPTEMBER 2010

8.30am **Procedural Controls**

- Classifications of lasers - MPE, NOHA
- Risk assessment
- Ocular hazards
- Controlled access
- Inadvertent exposure
- Flammability hazards
- Airborne contaminants
- Electrical hazards

10.30 *Morning Tea*

10.45 Clinical application

11.30 Risk management problem solving exercises

12.30pm *Lunch*

1.30 Round table discussion and questions

Exam (participants may leave upon completion)

3.00 Session closes

PROGRAM

Register online at www.dconferences.com.au/lcmc

or contact LCMC Conference Secretariat • DC Conferences Pty Ltd • PO Box 637 North Sydney NSW 2059 • P 02 9954 4400 • F 02 9954 0666 • E lcmc@dconferences.com.au