

Presents

A One Day Workshop

Laser Concepts in Healthcare

Faculties



Coordinator :

Prof. Farouk A.H. Al-Watban, MSc, PhD

Principal Scientist,
Laser Medicine Research, KFSH&RC
President, WALA , www.laser-wala.com



International Speaker :

Ms. Penny J. Smalley, RN, CMLSO

Technology Concepts International
WALA, Member of the Board of Directors



Assistant Coordinator :

Ms. Alice Winters, RN, CMLSO

Nursing Education Coordinator, KFSH&RC

Date: March 3, 2010

Time: 7:00 am—6:00 pm

Venue: Room 304, 3rd Floor, Research Centre
King Faisal Specialist Hospital & Research Centre
Riyadh, Saudi Arabia

Registration:

150 SR-One Day Workshop (Up to 31 Jan., after 200SR)
OR

400 SR- 3 days Conference (Up to 31 Jan., after 500SR)
(Coffee, Lunch & Dinner Included)

Topics:

Laser Science & Systems
Laser Safety
Procedural Controls
Setting Up a Laser Safety Program
Differences between Laser Surgery and Laser Therapy

Who should attend?

Nurses, Technicians, Anesthesia Technologists, Physical Therapists, Physicians , Scientists, Biomedical Engineers & Other Medical Healthcare Personnel

Objectives:

At the conclusion of the seminar, participants will be able to:

1. Discuss the fundamental concepts of laser science, biophysics, and tissue effects of lasers, as the basis for risk assessment
2. Identify the regulatory and advisory guidelines for development of a laser safety program.
3. Discuss risk management, and regulatory impact on compliance with a standards based laser safety program,
4. Determine hazards associated with healthcare laser systems, and appropriate control measures required.

Overview:

This seminar is designed to introduce the fundamental concepts of laser science, as applied to the technology and safety, required of perioperative professionals working with and responsible for, Class 3b and Class 4 Medical lasers.

The American National Standard ANSI Z136, International (IEC) standards, CSA Z386 (Laser Safety) and CSA 305.13-09 (Plume) and other appropriate regulations, will be used as the basis for both risk assessment, and the development of relevant control measures.

Through lectures and discussions, participants will obtain clinical, technical, and administrative information, essential to the development of a comprehensive, compliant, and effective, laser service.

For more information:

Please Contact: WALA Secretariat, Tel: +966 1 4427889, E-mail: laser2010@laser-wala.com, Website: www.laser-wala.com,
E-mail: jofin@kfshrc.edu.sa, Website: www.radmed.org

Laser Concepts in Healthcare

TIME	SPEAKER	TITLE OF LECTURE
7:00 – 7:30	Welcome and Registration	
7:30 – 8:00	Ms. Alice Winters	Setting Up a Laser Safety Program in Saudi Arabia
8:00 – 9:30	Ms. Penny Smalley	Photonics...but I'm Not an Engineer! Laser Science and Systems How Laser Light is Generated Characteristics of Light Tissue Interactions
9:30 – 10:00	Coffee Break	
10:00 – 11:30	Ms. Penny Smalley	Laser Science and Systems (continued) Electromagnetic Interactions and Systems Photoablation Photothermal Effects Photochemistry
11:30 – 12:00	Prof. Farouk A.H. Al-Watban	Differences between Laser Therapy and Laser Surgery
12:00 – 13:30	Lunch Break	
13:30 – 15:30	Ms. Penny Smalley	Laser Safety: Beyond Signs and Goggles Demystifying Standards (ANSI, IEC) Classifications Of Lasers – MPE, NHZ Administrative Controls Development of the safety plan Occupational Health and Safety Audit and QA Engineering Controls
15:30 – 16:00	Coffee Break	
16:00 – 17:45	Ms. Penny Smalley	Procedural Controls (Perioperative Safety) Controlled Access Ocular Hazards and Controls Inadvertent Exposure and Controls Management of Surgical Plume Fire Hazards and Control Measures Electrical Safety

Venue:

Room 304, 3rd Floor, Research Centre
King Faisal Specialist Hospital & Research Centre
Riyadh, Saudi Arabia

Registration:

150 SR, One Day Workshop (Up to 31 Jan., after 200SR)
OR
400 SR, 3 days Conference (Up to 31 Jan., after 500SR)
(Coffee, Lunch & Dinner Included)