



AESTHETIC LASER SAFETY OFFICER 40 HOUR COURSE

OVERVIEW

This comprehensive 40-hour course has been developed for the clinician responsible for aesthetic practices as well as the laser safety officer duties in a medical/aesthetic environment.

The curriculum has been developed in accordance with the ANSI Z136.3-2011 standard, for Safe Use of Lasers in Healthcare.

This course is designed to introduce the fundamental concepts of laser/light science, as applied to the technology and safety. This is required of professionals working with and responsible for, Class 3b and Class 4 medical lasers in the cosmetic/aesthetic field. First Aid, CPR and AED certification will be provided as part of the course curriculum.

The American National Standard (ANSI Z136), FDA, OSHA, IEC standards, as well as state mandate, professional societies and other appropriate regulations, will be used as the basis for both risk assessment and the development of relevant control measures.

Through lectures and discussion, participants will obtain clinical, technical and administrative information essential to the development of a comprehensive, compliant, and effective aesthetic program. A credentialing aesthetic examination will be given at the conclusion of the lectures, along with group and oral presentations.

Course Topics:

- Discuss the fundamental science of laser/light/ RF energy as it pertains to device biophysics and tissue effects.
- Determine hazards associated with laser/light/ RF systems and appropriate safety control measures required.
- Identifying the regulatory and advisory guidelines for development of an aesthetic safety program.
- Discuss clinical applications of current and emerging laser/light/ RF technology in the aesthetic field.
- Identify key component of an aesthetic consultation with review of client assessment, informed consents and client assessment.

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.
2. Determine hazards associated with healthcare laser systems, and appropriate control measures required.
3. Identify the regulatory and advisory guidelines for development of a laser safety program.
4. Discuss clinical applications of current and emerging laser and Light technology.



AESTHETIC LASER SAFETY OFFICER 40 HOUR COURSE Day 1

0730 – 0800	Welcome and Registration
0800 – 1000	Laser Science and Systems How Laser Light Is Generated / Characteristics Tissue Interactions Parameters and Dosimetry Fluence, Power Density, and Dosimetry
1000 – 1015	Break
1015 - 1200	Laser Science and Systems (Continued)
1200 - 1300	Lunch
1300 - 1500	Laser Safety: Beyond Signs and Goggles Classifications of Lasers – MPE, NHZ Laser Safety Officer Administrative Controls Engineering Controls
1500- 1515	Break
1515 – 1600	Laser Safety: Beyond Signs and Goggles (Continued)
1600- 1700	Physics Quiz



AESTHETIC LASER SAFETY OFFICER 40 HOUR COURSE Day 2

0800 – 1000	Procedural Controls Policies and Procedures Competency Based Staff Education Quality Assurance and Office Audits Incident / Accident Reporting Medical Surveillance Pt Management and Risk Assessment Documentation
1000 - 1015	Break
1015 - 1200	Demystifying Federal/ State Regulations ANSI, JCAHO, FDA, IEC, ASLMS
1200 – 1300	Lunch
1300 - 1430	Texas Mandate
1430 - 1530	Development of a Safety Audit
1530 545	Break
1545 - 1700	It is Only Skin Deep – Anatomy of the Skin Patient Consultations- The Art and Science <ul style="list-style-type: none">- Skin Assessment and Classification- Office Consultation- Patient Education- Anesthetics



AESTHETIC LASER SAFETY OFFICER 40 HOUR COURSE Day 3

0800 – 0900	Patient Consultation Cont
0900 - 0930	Pre and Post Treatment Protocol <ul style="list-style-type: none">-Indications and Contraindications- Adverse Effects Management
0930 - 0945	Break
0945 - 1045	Vascular, Pigmented Lesions Devices and Leg Vein Therapy <ul style="list-style-type: none">-Selective Photothermolysis-Patient Selection-Treatment, Pre and Post Care-Devices
1045 – 1200	Permanent Laser Hair Reduction Devices <ul style="list-style-type: none">-Indications-Patient Selection-Treatment, Pre and Post Care-Devices
1200 – 1300	Lunch
1300- 1400	Group Scenarios – Patient Treatment Plan
1400 - 1500	Laser Tattoo Removal <ul style="list-style-type: none">-Indications-Patient Selection-Treatment, Pre and Post Care-Devices
1500 - 1600	Acne Treatment Devices <ul style="list-style-type: none">-Indications-Patient Selection-Treatment, Pre and Post Care-Devices
1600 – 1700	Mock Quiz



AESTHETIC LASER SAFETY OFFICER 40 HOUR COURSE Day 4

0800 – 0930	Facial Rejuvenation -Indications -Devices -Level 1 -2
0930 - 0945	Break
0945 - 1100	Facial Rejuvenation -Indications -Devices -Level 1 -2
1100 – 1200	Facial Rejuvenation -Indications -Devices -Level 3
1200 - 1300	Lunch
1300 – 1400	Group Scenarios – Patient Treatment Plan
1400 – 1500	Body Rejuvenation -Body Contouring -Indications -Devices
1500 – 1700	Final Credentialing Examination

Day 5

0800 - 1700	CPR Testing and Examination
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