



One Day **Laser** Course at your facility
**with options for Hands-On Labs, and more in-depth
Surgical or Aesthetic orientation at your choosing.**

Nurses, Laser Safety Officers, Surgical Technicians, Surgical Laser Operators
Any Medical Laser

The Laser Training Institute™

a training division of

Professional Medical Education Association, Inc.

not-for-profit education, est. 1978

800-435-3131 www.LaserTraining.org

- For Medical Professionals Only -

Sharing the Light

Course Description: A one day, basic laser course consists of lectures and required to bring your staff up to speed on laser concepts and safety issues, and meet ANSI 136.3 standards for staff training. The program can incorporate demonstration "hands-on" laser training using your own equipment, or it can be an all academic program that goes into more depth for either surgical or aesthetic orientation at your choosing. The purpose is to provide the required Laser Safety Training for nurses and staff who operate laser equipment and work in the laser environment, and to document that with an accredited Certificate of Laser Training. Manufacturer's inservices are good for "push-button" type basic training, but don't even begin to cover the safety, regulatory and in-depth concepts that are required to establish a safe laser program. ANSI Safety requirements for Health Care Institutions and personnel are covered in detail. Practical biophysics of lasers are taught which describes the different types of medical lasers, the essentials of how they work and why different lasers are used for different types of procedures, plus the practical aspects of various delivery systems including laser fibers. The all lecture format, without hands-on, goes into more depth in safety, ANSI standards and procedures, as well as providing additional credits. Or - you can opt for one of our two day programs that may include a Laser Safety Audit, or include the NCLE Laser Certification exams (see that brochure).

Course Outline: Hospital/Surgicenters

OUTLINE FOR TYPICAL 1/2 DAY LECTURE, 1/2 DAY HANDS-ON:

Basic Laser Safety & Biophysics, and demonstration hands-on laser skills labs
(OPTIONALLY ALL DAY LECTURE - PROVIDES MORE CREDITS THAN LECTURE/LABS AND MORE IN-DEPTH SAFETY AND REGULATORY INFORMATION FOR LASER SAFETY OFFICERS)

Suggested Outline: (May be tailored to hospital's needs - may be expanded to multiple days to incorporate more staff or physicians in different sessions.)

FUNDAMENTALS OF LASER SURGERY, 8-10 AM

General Theory * Applied Biophysics * Types of Lasers

Laser/Tissue interactions * Techniques of surgical control

Instrumentation

BREAK - 10-10:30 AM

LASER SAFETY AND A.N.S.I. REQUIREMENTS, 10:30-12:00PM

Administrative Controls

Environmental & Operational Controls

available by completing the Home-Study component of the pro-gram

available in the course manual, or a separately purchased CD-ROM.

Personnel & Patient Safety

Suggested Safety Policies and Procedures

Laser and ESU smoke hazards and new "Clean Air" Regulations

LUNCH, 12-1PM

DEMONSTRATION LASER SKILLS

LABS, Varies - 1-5PM

includes "inservice" type demonstrations and hands-on with laser (All laser wavelengths which the hospital has available will be utilized) Time depends on the number of lasers utilized and students participating.



Physician Surgical Credentialing Programs
Also available - priced separately

Pricing - One Day Laser course (Either Surgical or Aesthetic)

\$1500 course fee plus travel expenses for one person from point of origin, for a one day program. Travel expenses vary with location but are generally in the \$400-\$700 range, to include airfare or car, hotel and meals. Travel usually originates from S. Florida or Wisconsin. The course fee is due at or prior to the time of the program, and expenses are due within 30 days of the course.

Provider approved by the California Board of Registered Nursing, Provider Number CEP 12386 for 5.2 contact hours.

*NOTE: The 5.2 hours is for the typical 1/2 day lecture, 1/2 day hands-on training. Since all of our programs are customized, your actual contact hours may differ depending on the course format you select. Regardless of format, the CBRN guidelines of 1 contact hour for each 50 minutes of theory, and 1 contact hour for 3 hours of hands-on (clinical practice) will be followed. Most State Boards of Nursing have reciprocity with other States so that credits should apply equally to all States.

The all lecture version of our one day program provides 8.0 contact hours.

Course Outline: Aesthetic Users

Aesthetic Version of the 1 Day Program

This one day program can be oriented either toward hospital and surgical center applications and staff training, as the outline on the previous page indicates, or oriented as an all lecture program toward Aesthetic Laser use for staff in office and clinic settings.

Suggested Outline: (May be tailored to hospital's needs - may be expanded to multiple days to incorporate more staff or physicians in different sessions.)

Morning Session:

LASER BASICS

- Skin & Hair Biology
- Fundamental Laser Concepts for Aesthetic Use
- Laser Safety - Eyewear - Certification - ANSI 136.3

Afternoon Session:

INTRODUCTION TO

AESTHETIC LASER PROCEDURES

- Vascular & Pigmented Lesions. Pulsed Dye, CuBr, KTP & Krypton Lasers
 - Skin Rejuvenation, Acne Rx, Wrinkle Reduction. IPL's, Pulsed Dye, CuBr, Diodes, Er:Glass, Nd:Yag, RF Electrical.
 - Ablative Skin Resurfacing: CO2, Er:Yag, Fractal Rx
 - Tattoo Removal: Q-Switched lasers
 - Laser Hair Removal - Diode, Alexandrite, Nd:Yag, Ruby
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What all do you get??

.. incredible value for your money:

(Both the Surgical and Aesthetic Versions)

- Training for up to 30 people, more if pre-arranged.
- Customized Course manual for students - includes slide by slide content. We supply the master copy which you may duplicate for your staff.
- Accredited Certificates of Laser Training
- Temporary access to restricted website page for each participant to download the full and complete color powerpoint laser presentations as .pdf files.
- Permanent access to restricted website discussion forums for participants to network with other laser users all over the country to discuss issues and problems.
- One free attendance spot in our 2 Day LASER COURSE for LSO's and Surgical and Laser Operators. An \$895 value itself! (Designated attendee must attend the LSO program within 6 months of the In-House training.)
- One CD Version of our Lasers in Medicine & Surgery manual & Home Study program for ongoing reference by your facility, with credits and certificates available for purchase by staff on an ongoing basis (16.1 contact hours)
- Downloadable "Lasers in Medicine & Surgery" 174 page color manual for each student.

Faculty

Go to our website to review the Curricula Vitae:

Mr Absten serves in the Laser Safety seat on the Board of Directors for the American Society for Laser Medicine and Surgery, and chairs the National Council on Laser Excellence for the NCLE Laser Certification programs.

Gregory T. Absten B.Sc., MBA, CLRT - Executive Director, Professional Medical Education Assn., Inc., Marathon, Florida A 25+ year veteran in the Medical Laser Field, Mr. Absten is an internationally recognized lecturer and author on the subject of medical laser applications and safety. He is the Executive Director of Professional Medical Education Assn., Inc. -- the non-profit group sponsoring this course through the Laser Training Institute division. A Scientific Fellow with the American Society for Laser Medicine and Surgery, he has served as the Course Director for the "Laser Biophysics and Safety Courses" for a number of years at their annual scientific meetings, and has taught for the Nursing Course of this meeting many times. He serves in the Laser Safety seat on their Board of Directors, and also chairs the Laser Certification programs of the National Council on Laser Excellence. He previously served as a clinical instructor with both The Ohio State University College of Medicine, and University of Cincinnati College of Medicine at different times. He has served as a Director or Advisor to many medical laser organizations. Mr Absten has taught hundreds of physician and nursing laser courses and has been actively involved with hands-on physician training in both surgical lasers and endoscopic procedures in most specialties. His initial clinical background in the 70's involved Critical Care patient management as a Registered Respiratory Therapist.

Affiliate Faculty: We do work with a network of several hundred qualified nursing and physician faculty from all across the U.S.. Mr Absten wrote and developed this inhouse training program If the primary faculty are unavailable on the dates you wish to conduct a program we can arrange for other qualified faculty to teach this same program.

REFERENCES?

Go to our website and you'll find some references as a shortcut link on our front page. Our programs are well received.
800-435-3131
www.LaserTraining.org



**For More Information & Links
Visit our Website at**

www.LaserTraining.org

**You can even download a FREE
copy of the Lasers in Medicine
& Surgery Manual !**

**- Laser Training FOR Medical Professionals,
BY Medical Professionals -**

COURSE OBJECTIVES:

- ◆ Describe the basic biophysics of laser and light
- ◆ Name three primary types of surgical lasers and list their wavelengths
- ◆ Explain conceptually how lasers work, and explain the differentiating characteristics of laser
- ◆ Discuss the pertinent energy, optical and fiber concepts that are applicable to medical laser use.
- ◆ Demonstrate an understanding of Laser and Energy concepts
- ◆ Describe the four different types of laser/tissue interactions and explain the importance of thermal confinement to surgical outcome.
- ◆ Demonstrate an understanding of Biological effects of laser on tissue
- ◆ Demonstrate an understanding of the pertinent energy, optical and fiber concepts that are applicable to medical laser use, and describe appropriate safety precautions for demonstration type use.
- ◆ Describe the types of hazards which laser presents to personnel and patients, along with some of the related hazards associated with laser surgery.
- ◆ Explain the safety precautions and procedures recommended by ANSI during laser surgical procedures.
- ◆ Demonstrate an understanding of Laser Hazards, Safety, Precautions and Regulations as recommended by ANSI.
- ◆ Demonstrate the proper setup, operation and limited troubleshooting of the hospital's lasers (for those programs that opt to include the hands-on sessions)

Why Schedule In-House Laser Training?

This program is the Standard "Laser Nursing" and Laser Safety and Training course, lasting 6-8 hours with the hands-on labs, depending on the number of lasers demonstrated, or 8 hours for the all didactic program.

THESE PROGRAMS WILL MEET THE REQUIRED LASER SAFETY TRAINING AS OUTLINED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI 136.3) FOR LASER NURSES AND OTHER NON-PHYSICIAN HEALTH CARE PERSONNEL

ANSI Requires that in addition to the laser operators, all perioperative staff have documented training in laser safety. Though we offer separate, more in-depth Laser Safety Officer programs, this course can serve to train your LSO if they take the time to additionally complete the full Lasers in Medicine manual, or CD-ROM.



**Staff turnover? Upcoming JCAHO inspection? OSHA site visit?
Laser Safety Officer never appointed or just left the position?
New lasers? Need laser biophysics & safety for surgical credentialing?
Need surgical or technical training? Need NFPA/Laser Info?
Seminars – In-House Training – CD-ROM's - InService Video**

Sharing the Light

Medical Laser use has exploded and permeated into every type of medical institution or practice – surgery, clinics, offices and outpatient facilities. For medical professionals the challenge is to keep staff current with documented and accredited laser safety and operational training, and keep your facility in compliance with federal regulations.

SCHEDULING: Call 800-435-3131 to check available dates. Saturday weekend dates are available if needed, although weekday dates are more available. Once a date is agreed upon we'll require a fax, letter or email that confirms the date and fee. Once a program date is established we consider that a firm commitment and the program is noncancellable.

Frequently Asked Questions: - FAQ's

Will my staff be “Laser Certified” after this training?

ANSI says that it is the Health Care Facility itself that sets the “certification” and “credentialing standards for its physicians, nurses and staff. There are voluntary Laser Certifications issued by the National Council on Laser Excellence, and we can administer those exams during our two day courses at your option. However Laser Certification is not a legal requirement - just training. ANSI does go on to list recommendations for training and this program meets all of those ANSI requirements. An accredited Certificate of Laser Training will be provided to each participant, and the Health Care Facility can use this as documentation of their training, and the Health Care Facility will “certify” that person. For information on a voluntary national laser certification standard, visit www.LaserCertification.org. There are other groups that offer their own version of certifications, but these have no official sanction in any way.

What is ANSI and NFPA, and what does that mean to us?

ANSI stands for the American National Standards Institute, which makes recommendations on voluntary standards in many different areas having a national impact. One of those is the Safe Use of Lasers in Health Care Facilities (ANSI Z136.3). These recommendations are entirely voluntary by themselves, but other organizations, such as JCAHO, OSHA and various State Regulatory Boards use them as their basis for hospital certifications or enforcement. This in effect makes adherence to ANSI standards mandatory. Hospitals may deviate as needed from the exact rules as long as there is written rationale behind it, but several core elements are essential. ANSI requires that each facility appoint a Laser Safety Officer who had administrative responsibility over establishing the entire facility-wide laser safety program. This is separate for any laser nurses or operators who may actually run the equipment during procedures and enforce the safety policies. ANSI also requires documented training for physicians, nurses, and ALL PERIOPERATIVE staff who may be working in the medical laser environment. NFPA is the National Fire Protection Association and has mandatory fire code requirements.

How many staff can we involve in the training?

The number is virtually unlimited for all of the lecture sessions - dependant only upon the capacity of your auditorium or classroom. We recommend 30 maximum. The answer for the hands-on sessions depends on the number of lasers covered, the number of students, the time frame allotted and your expectations. Typically 5-10 people are “OK” to include in an afternoon of hands-on work with 2-3 laser systems. This gives them enough experience to begin working with the equipment, but we highly recommend that these people are provided another 1/2 day of time to work on their own within 1-2 weeks following this course, in setting up and running the laser equipment. This is important to reinforce their training since the information taught in the initial 1/2 day by itself will soon be forgotten if they don't reinforce it with practice. It is possible to handle even more people and lasers in an afternoon (such as 20 people and 4-6 laser systems) if expectations of the hands-on sessions are re-adjusted. It is perfectly adequate to present the afternoon lab session as a “demonstration only” type exercise to the group - with the understanding that they won't be running the equipment without additional hands-on practice. This is frequently accomplished by scheduling them into rooms with existing laser operators.

Is your group qualified to provide this laser training to us?

There is no other group in the United States that is more qualified or experienced to run these medical laser training programs than ours. Our faculty has taught the Laser Biophysics and Safety courses for the American Society for Lasers in Medicine & Surgery for more than 10 years, and our Executive Director sits in the Laser Safety seat on the Board of Directors for this Society. We have been conducting laser training in every medical specialty now for more than 25 years. The Curricula Vitae of our Executive Director is posted on our website. There are other groups that specialize in Industrial & Commercial laser use and only dabble in Medicine.

- We provide laser training FOR Medical Professionals, BY Medical Professionals. -