

**COLLEGE OF PODIATRIC SURGEONS OF BRITISH COLUMBIA
STANDARDS AND GUIDELINES**

LASER INSTRUMENT AND SAFETY RULES

APPENDIX A

Recommended Education and Training of Laser Personnel*

Level 1 Laser Training

This is necessary for:

- Non-clinical facility personnel who are involved in the management of the laser program or laser services, observers, trainees
- Education and training of laser personnel

This is suggested for:

- Non-clinical members of the laser safety committee (LSC)
- Administration and management, assumed to be non-clinical personnel.

Need is education on the risk management aspects — standards, audit, and compliance.

The content shall include, but is not limited to, the following:

- Overview of this Standard
- Facility policy and procedure
- Types of lasers used and general applications in the facility
- Roles, authority, and responsibilities of laser team members
- Contact information for the LSO

Level 2 Laser Training

This is necessary for:

- Laser operator (LO)

Need is education on the risk management aspects — standards, audit, and compliance.

The content shall include, but is not limited to, the following:

- Level 1 laser training
- Laser physics
- Laser–tissue interaction
- Types of lasers and their delivery systems
- Accessory equipment and instrumentation needed for specific applications
- Understanding treatment parameters and dosimetry

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- Roles, authority, and responsibilities of laser team members
- Assessment of hazards and risks
- Reporting
- Applicable documentation
- Non-clinical members of the laser safety committee (LSC)
- Administration and management, assumed to be non-clinical personnel.

Level 3 Laser Training

This is necessary for:

- Laser safety officer (LSO)

The content shall include, but is not limited to, the following:

- All items in Level 1 and 2 training
- Regulatory requirements in the specific jurisdiction
- Application of this Standard
- Hazard identification and implementation of applicable control measures
- Facility reporting for accidents, incidents, or occurrences

Level 4 Laser Training

This is necessary for:

- Laser users (LU)

The content shall include, but is not limited to, the following:

- All items in Level 1 and 2 training
- Clinical application and techniques for intended procedures
- Treatment parameters and dosimetry for intended procedures
- Patient safety
- Management of complications
- Competency in operating the laser and its delivery systems
- Competency in use of safety equipment (e.g., protective eyewear, emergency stop switch, standby switch, plume evacuator, microscope eye safety filters, accessory instrumentation, fire extinguisher, wet drapes, etc.)

* as per Annex E of the CSA-Z386-14