

World Clinical Laser Institute

Certification Programs

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Associate Fellowship Certification (Level 1)

Introduction

Associate Fellowship Certification provides candidates with a basic understanding of laser physics, tissue interaction, characteristics of individual wavelengths, safety and regulatory issues, as well as an overview of clinical uses.

How to Earn Associate Fellowship Certification

1. Pass a written examination for Associate Fellow Certification. The exam contains approximately 60 test questions.
2. Attend a minimum of a one-day WCLI or WCLI-endorsed course. Associate Fellowship Certification cannot be earned
3. Participate in an Associate Fellow Clinical Simulation conducted by a certified examiner.
4. Candidates are not required to present clinical cases, nor are they required to pay any additional fees. Also, candidates for Associate Fellowship Certification are not required to have daily access to an Er,Cr:YSGG or diode laser.
5. Associate Fellowship Certification can be earned at any WCLI-sponsored one-day educational seminars or full-length WCLI symposia held at various locations around the world each year.

Topics Covered by Associate Fellowship Certification

- Fundamentals of laser physics, including wavelength characteristics of ALL dental lasers
- Concepts involve laser-tissue interaction
- History of lasers in dentistry
- Laser safety and regulatory issues
- Knowledge of the laser environment
- Management of patient expectations and treatment options
- Techniques for cutting hard and soft tissue
- Clinical capabilities of dental lasers

Fellowship Certification (Level 2)

Introduction

Fellowship certification is the second level of certification from the WCLI. Candidates who successfully meet all requirements will have demonstrated an comprehensive knowledge of lasers and their applications in dentistry, as well as a commitment to the advancement of laser dentistry. Candidates are

Availability of Fellowship Certification

Fellowship certification will be available at any U.S. or International WCLI symposium throughout the year. This excludes any WCLI events that are one day or less in length. *Candidates must complete their CE log, schedule a Fellowship Clinical Simulation Exam and Fellowship Written Exam, and pay any applicable certification fees, at least 60 days prior to the WCLI annual meeting.*

Requirements for Fellowship Certification

1. Earn Associate Fellowship certification and practice at that level for at least twelve (12) months.
2. Earn and document fifty (50) hours of continuing education in laser dentistry. CE hours should be logged using the official [WCLI CE log form](#). The CE log must be submitted and approved more than 60 days prior to your scheduled Fellowship Certification.
3. Pass the Fellowship Written Exam with a score of 80% or higher.
4. Pass the Fellowship Clinical Simulation Examination.
5. Document and present TWO clinical cases, including one (1) simple case, and (1) moderate case.
6. Pay a certification and processing fee to the WCLI of \$395 prior to beginning the Fellowship certification process.

Fellowship Clinical Simulation

A clinical simulation examination will be conducted by one (1) examiner. Candidates for Fellowship certification will receive a minimal amount of prompting or assistance from the examiner. The candidate should be able to completely describe and demonstrate thorough knowledge of a number of critically important concepts related to the laser, its environment, and safety issues.

You may download the [Fellowship Clinical Simulation Exam checklist](#), which will be used by the examiner during the Fellowship Clinical Simulation Exam..

Fellowship Case Presentation*

Candidates are required to present one (1) simple case, and one (1) moderate case.

Simple Cases

A single soft tissue treatment (e.g. a one-tooth gingivectomy) or a one tooth procedure (e.g. a single tooth restoration; or, for hygienist candidates, a simple gingivitis or class I-II.)

Moderate Difficulty Cases

Moderate difficulty cases include multiple treatment sites with a single procedure (e.g. a quadrant gingivectomy for periodontal pocket reduction) or one site treated with multiple

procedures (e.g. a single-site frenectomy and gingival recontouring; for hygienists, document one case II-III and present FM).

When presenting cases for Fellowship certification, the candidate is required to give a PowerPoint of the documented cases to one (1) examiners. The candidate is required to show thorough knowledge of the presented case and demonstrate accurate diagnosis, treatment plan, accurate and applicable laser settings and parameters, successful treatment and post-operative management.

For complete instructions, download the document entitled Making Case Presentations for Certification from the WCLI.

Documenting Continuing Education for Fellowship Certification

“Continuing education,” as it is defined in the context of obtaining laser certification from the WCLI, refers to any combination of the following:

- Classroom instruction at an accredited (AGD PACE, ADA CERP, Academy of Laser Dentistry, or an equivalent international body) laser symposium, seminar, or other educational course with approved content specific to laser dentistry.
- Any hours spent preparing, modifying, or readying lecture material for laser dentistry for presenting at an accredited (AGD PACE, ADA CERP, or an equivalent international body) trade show, symposium, seminar, study group, or in a similar educational environment.
- Any effort put into publishing clinical content regarding laser dentistry in a dental trade journal. Generally, the article must be published in order to receive credit, but exceptions are allowed if an article is rejected for publication. These exceptions will be the decision of the WCLI Certification Committee.
- All laser dentistry continuing education must be documented on a [WCLI CE Log](#). Applicants will be responsible for accurately logging all applicable Laser Dentistry CE hours for credit toward Fellowship or Mastership certification in the WCLI.

Mastership Certification (Level 3)

Introduction

Mastership Certification is the third level of certification from the WCLI. Candidates who successfully meet all requirements will have demonstrated an advanced knowledge of lasers and their applications in dentistry. Also, Mastership candidates will have demonstrated complete clinical expertise through case presentations of moderate and complex clinical cases to two (2) examiners.

Availability of Mastership Certification

Mastership certification is available at the WCLI annual meeting only. *Candidates must complete the required CE hours, submit their CE log, schedule a Mastership Clinical Simulation Exam and Mastership Written Exam, and pay any applicable certification fees at least 60 days prior to the WCLI annual meeting.*

Requirements for Mastership Certification

1. Earn Fellowship certification and practice for at least twelve (12) months after you reach Fellowship.
2. Participate in sixty (60) hours of continuing education related to laser dentistry. This is *in addition* to any hours earned for Fellowship certification. Use [the official CE Log Form](#) to document your continuing education.
3. Pass the Mastership Written Exam with a score of 85% or higher.
4. Pass the Master Clinical Simulation Examination with no prompting or assistance from the examiner(s).
5. Document and present five (5) clinical cases, including at least three (3) moderate cases, one (1) complex case, and one (1) additional case of any complexity.
6. Pay a certification and processing fee to the WCLI of \$495 prior to the beginning of the Mastership certification process.

Mastership Clinical Simulation

A clinical simulation examination will be conducted by one (1) examiner. Candidates for Mastership certification will receive no prompting or assistance from the examiner and must be able to complete describe and demonstrate thorough knowledge of a number of critically important concepts related to the laser, its environment, and safety issues. You may download the [Mastership Clinical Simulation Exam checklist](#), which will be used by the examiner during the Mastership Clinical Simulation Exam..

Mastership Case Presentation*

Simple Cases

A single soft tissue treatment (e.g. a one-tooth gingivectomy) or a one tooth procedure (e.g. a single tooth restoration; or, for hygienist candidates, a simple gingivitis or class I-II treated with

Moderate Difficulty Cases

Moderate difficulty cases include multiple treatment sites with a single procedure (e.g. a quadrant gingivectomy for periodontal pocket reduction) or one site treated with multiple

procedures (e.g. a single-site frenectomy and gingival recontouring; for hygienists, document one case II-III and present FM).

Complex Difficulty Cases

Complex difficulty cases involve multiple soft-tissue/hard-tissue procedures on one site, or procedures conducted on multiple teeth or soft tissue sites with two or more procedures (e.g. desensitization and preparation for composite restoration of a quadrant of cervical lesions or periodontal pocket reduction and gingival recontouring in a quadrant; for hygienists, document one case III-IV and present FM).

When presenting cases for Mastership certification, the candidate is required to give a PowerPoint of the documented cases to two (2) examiners. The candidate is required to show thorough knowledge of the presented case and demonstrate accurate diagnosis, treatment plan, accurate and applicable laser settings and parameters, successful treatment and post-operative management.

For complete instructions, download the document entitled Making Case Presentations for Certification from the WCLI.

Documenting Continuing Education for Mastership Certification

“Continuing education,” as it is defined in the context of obtaining laser certification from the WCLI, refers to any combination of the following:

- Classroom instruction at an accredited (AGD PACE, ADA CERP, Academy of Laser Dentistry, or an equivalent international body) laser symposium, seminar, or other educational course with approved content specific to laser dentistry.
- Any hours spent preparing, modifying, or readying lecture material for laser dentistry for presenting at an accredited (AGD PACE, ADA CERP, or an equivalent international body) trade show, symposium, seminar, study group, or in a similar educational environment.
- Any effort put into publishing clinical content regarding laser dentistry in a dental trade journal. Generally, the article must be published in order to receive credit, but exceptions are allowed if an article is rejected for publication. These exceptions will be the decision of the WCLI Certification Committee.

All laser dentistry continuing education must be documented on a [WCLI CE Log](#). Applicants will be responsible for accurately logging all applicable Laser Dentistry CE hours for credit toward Fellowship or Mastership certification in the WCLI.

* All information and cases presented become the property of Biolase Technology and the World Clinical Laser Institute to be used for the further education of laser dentists and to promote the adoption of laser dentistry by other dentists.



Associate Fellowship Clinical Simulation Checklist

Candidate Name: _____ Date: _____

Location of Simulation: _____ Device: _____

Examiner Name: _____

Examiner Signature: _____

The WCLI Associate Fellow Clinical Simulation is necessary to receive Associate Fellow certification.

Laser Safety and Regulations

- _____ Laser safety officer
- _____ Laser safety mechanisms
- _____ Adverse effects reporting mechanisms
- _____ Eye protection – personnel and patient
- _____ Requirements for laser warning signage

The candidate must initial on the lines to the left to indicate they understand all concepts and items listed.

Knowledge of Laser & Environment

- _____ High-volume evacuation
- _____ Traffic in the laser operatory
- _____ Wavelength
- _____ Active medium
- _____ Emission mode
- _____ Delivery system
- _____ Assembly/relationship of laser components
- _____ Understanding of tips and accessories
- _____ Inspection for laser system integrity
- _____ Sterilization / disinfection standards and protocols
- _____ Laser system maintenance
- _____ Settings and parameters
- _____ Laser tissue interaction
(laser tissue interaction, distance from tissue, power density, etc.)

Candidate Name (Print): _____

Candidate Signature: _____

Examiner Name (Print): _____

Examiner Signature: _____



Fellowship Clinical Simulation Exam

Candidate Name: _____ Date: _____

Location of Exam: _____ Device: _____

Examiner Name: _____

Examiner Signature: _____

This Clinical Simulation Exam is for Fellowship Certification.

The WCLI Clinical Simulation Exam for Fellowship Certification is pass/no pass. The examiner should mark a 'Y' (for 'pass'), or 'N' (for 'no pass'). In order to pass, all blanks must be marked 'Y' (for 'pass'). The Examiner may prompt the candidate when needed.

Laser Safety and Regulations

- _____ Laser safety officer
- _____ Laser safety mechanisms
- _____ Adverse effects reporting mechanisms
- _____ Eye protection – personnel and patient
- _____ Requirements for laser warning signage

Please mark whether the candidate passed or did not pass this exam.

[] Pass

[] No pass

Knowledge of Laser & Environment

- _____ High-volume evacuation
- _____ Traffic in the laser operatory
- _____ Wavelength
- _____ Active medium
- _____ Emission mode
- _____ Delivery system
- _____ Assembly/relationship of laser components
- _____ Understanding of tips and accessories
- _____ Inspection for laser system integrity
- _____ Sterilization / disinfection standards and protocols
- _____ Laser system maintenance
- _____ Settings and parameters
- _____ Laser tissue interaction
(laser tissue interaction, distance from tissue, power density, etc.)

Examiner Name (Print): _____

Signature of Examiner: _____

Case Presentation Checklist

Candidate Name: _____ Date: _____

Location of Case Presentation: _____ Case Type: [] Simple

Examiner Name: _____ [] Moderate

Examiner Signature: _____ [] Complex

Case description: _____

The examiner will mark each item as satisfactory. This form must be filled out for each case presented for Fellowship and Mastership certification.

XII. Case Diagnosis and Treatment Plan

- a. _____ Includes pre-treatment clinical examination medical/dental history and assessment of physical health.
- b. _____ Radiographic examination
- c. _____ Any tests and evaluations
- d. _____ Diagnosis
- e. _____ Treatment planning

XIII. Treatment Procedure

- a. _____ Objective of treatment
- b. _____ Treatment protocols with description of the laser settings,
- c. _____ Technique used with the laser
- d. _____ Management of complications
- e. _____ Prognosis of treatment and post-operative instructions

XIV. Case Documentation

- a. _____ Any applicable pre-op images
- b. _____ Pre-op radiograph
- c. _____ Any applicable intra-op images
- d. _____ Any applicable post-op images



Laser Continuing Education Log

World Clinical Laser Institute

Use this form to keep a log of all continuing education hours spent in the discipline of laser dentistry for Fellowship or Mastership certification. Applicable CE includes all AGD-sponsored laser lectures or courses, or time spent preparing for or delivering laser-related lectures. You may also include any time spent researching and writing content for submission to dental trade or association journals (e.g., JADA)

Date	Course	Instructor	Completion Code	Hours Earned
TOTAL				

(Please attach additional pages, if needed)

Signature of Candidate. I guarantee that the CE hours indicated hereon are accurate.