



# **Certification Programs**



# Associate Fellowship Certification (Level 1)

## **Introduction**

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

## **How to Earn Associate Fellowship Certification**

1. Pass a written examination.
2. Attend a minimum of a one-day WCLI or WCLI-endorsed course.
3. Participate in a Clinical Simulation conducted by a certified examiner.
4. Candidates are not required to present clinical cases, or pay any additional fees. Also, candidates for Associate Fellowship Certification are not required to have daily access to a dental laser.
5. Associate Fellowship Certification can be earned at any WCLI-sponsored one-day educational seminar 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 laser wavelengths
- Concepts involving 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 is the second level of certification from the WCLI Institute. Candidates who successfully meet all requirements will have demonstrated a comprehensive knowledge of lasers and their applications in dentistry, as well as a commitment to the advancement of laser dentistry.

### **Availability of Fellowship Certification**

Fellowship certification is available at any U.S. or International WCLI Symposium throughout the year. This excludes any WCLI events that are one-day or less. Candidates must complete their CE log, schedule a Fellowship Clinical Simulation and Fellowship Written Exam, and pay any applicable certification fees, at least 14 days prior to the WCLI annual Super Symposium.

### **Requirements for Fellowship Certification**

1. Earn Associate Fellowship certification and practice at that level for at least 12 months.
2. Earn and document 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 14 days prior to your scheduled Fellowship Certification exam.
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 simple case, and one moderate case.
6. Pay a processing fee of \$395 to the WCLI Institute before beginning the Fellowship Certification process.

### **Fellowship Clinical Simulation**

A clinical simulation examination will be conducted by one examiner. Candidates for Fellowship Certification will receive minimal 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 a copy of 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 simple case, and one 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 Case Type II Periodontal Case.)



### *Moderate Difficulty Cases*

Moderate difficulty cases include performing a single procedure on multiple sites (e.g. a quadrant gingivectomy) or one site treated with multiple procedures (e.g. a gingivectomy and cavity prep on the same tooth; for hygienists, document one Case Type II-III).

When presenting cases for Fellowship Certification, the candidate is required to give a PowerPoint presentation of the documented cases to one examiner. The candidate is required to show a thorough knowledge of the presented case and demonstrate accurate diagnosis, treatment plan, accurate and appropriate laser settings and parameters, and successful treatment and post-operative management.

### **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, or an equivalent international body) laser symposium, seminar, or other educational course with 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.
- 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.



# Mastership Certification (Level 3)

## **Introduction**

Mastership is the third level of certification from the WCLI Institute. 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.

## **Availability of Mastership Certification**

Mastership Certification is available only at the WCLI annual Super Symposium. Candidates must complete the required CE hours, submit their CE log, schedule a Mastership Clinical Simulation and Mastership Written Exam, and pay any applicable fees at least 14 days prior to the WCLI Super Symposium.

## **Requirements for Mastership Certification**

1. Earn Fellowship Certification and practice for at least 12 months at that level.
2. Participate in 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 Mastership Clinical Simulation Examination with no prompting or assistance from the examiners.
5. Document and present five clinical cases, including three moderate cases, one complex case, and one additional case of any complexity.
6. Pay a processing fee of \$495 to the WCLI Institute before the Mastership Certification process.

## **Mastership Clinical Simulation**

A clinical simulation examination will be conducted by a single examiner. Candidates for Mastership Certification will receive no prompting or assistance from the examiner and must 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 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 Case Type II Periodontal Case.)

### *Moderate Difficulty Cases*

Moderate difficulty cases include performing a single procedure on multiple sites (e.g. a quadrant gingivectomy) or one site treated with multiple procedures (e.g. a gingivectomy and cavity prep on the same tooth; for hygienists, document one Case Type II-III).

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### *Complex Difficulty Cases*

Complex cases involve multiple soft-tissue/hard-tissue procedures on one site, or two or more procedures conducted on multiple teeth or soft tissue (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 Type III-IV).

When presenting cases for Fellowship Certification, the candidate is required to give a PowerPoint presentation of the documented cases to two examiners. The candidate is required to show a thorough knowledge of the presented case and demonstrate accurate diagnosis, treatment plan, accurate and appropriate laser settings and parameters, and successful treatment and post-operative management.

### **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, or an equivalent international body) laser symposium, seminar, or other educational course with 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.
- 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.

\* All information and cases presented become the property of BIOLASE, Inc. and the World Clinical Laser and Imaging Institute, to be used for the further education of laser dentists.



# Associate Fellowship Clinical Simulation Checklist

Candidate Name: \_\_\_\_\_ Date: \_\_\_\_\_

Location of Simulation: \_\_\_\_\_ Device: \_\_\_\_\_

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

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

## Knowledge of Laser & Environment

- \_\_\_\_\_ High-volume evacuation
- \_\_\_\_\_ Traffic in the laser operator
- \_\_\_\_\_ 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 Checklist

Candidate Name: \_\_\_\_\_ Date: \_\_\_\_\_

Location of Simulation: \_\_\_\_\_ Device: \_\_\_\_\_

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

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 operator
- \_\_\_\_\_ 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: \_\_\_\_\_



# Mastership Clinical Simulation Checklist

Candidate Name: \_\_\_\_\_ Date: \_\_\_\_\_

Location of Simulation: \_\_\_\_\_ Device: \_\_\_\_\_

This Clinical Simulation Exam is for Mastership Certification.

The WCLI Clinical Simulation Exam for Mastership requires the examiner to assign points according to the quality and depth of response by the candidate. A minimum score of 90 points is required to pass the Mastership Clinical Simulation Exam.

## Laser Safety and Regulations

- \_\_\_\_\_ (6) Laser safety officer
- \_\_\_\_\_ (6) Laser safety mechanisms
- \_\_\_\_\_ (6) Adverse effects reporting mechanisms
- \_\_\_\_\_ (4) Eye protection – personnel and patient
- \_\_\_\_\_ (4) Requirements for laser warning signage

## Knowledge of Laser & Environment

- \_\_\_\_\_ (6) High-volume evacuation
- \_\_\_\_\_ (4) Traffic in the laser operatory
- \_\_\_\_\_ (6) Wavelength
- \_\_\_\_\_ (6) Active medium
- \_\_\_\_\_ (6) Emission mode
- \_\_\_\_\_ (6) Delivery system
- \_\_\_\_\_ (6) Assembly/relationship of laser components
- \_\_\_\_\_ (4) Understanding of tips and accessories
- \_\_\_\_\_ (6) Inspection for laser system integrity
- \_\_\_\_\_ (6) Sterilization / disinfection standards and protocols
- \_\_\_\_\_ (6) Laser system maintenance
- \_\_\_\_\_ (10) Settings and parameters (laser tissue interaction, distance from tissue, power density, etc.)

For Examiner's Use Only

\_\_\_\_\_  
Total Points for Exam

Candidate Name (Print): \_\_\_\_\_

Candidate Signature: \_\_\_\_\_

Examiner Name (Print): \_\_\_\_\_

Examiner Signature: \_\_\_\_\_



# 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.

## 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

## 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

## Case Documentation

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

