

**Certified Training Course (CTC) – Agenda**

**Instructor: Dr. Mark Cronshaw**

**Location: Tallinn, Estonia**

**Date: 03.12-04.12.2022**

**Day One – 8:00 a.m. to 5:00 p.m.**

**Dinner 6:00 p.m onwards**

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| 8:00 – 8:30 | **Registration** |
| 8:30 – 9:30 | **Course Overview**  **Review Pre-Training Online Material**  Laser Physics, Safety, Laser-Tissue Interaction, Buttonology, Parameters Affecting Performance, Discussion of various Handpiece & Tips Selection & their applications. |
| 9:30 – 10:15 | **Lecture – Understanding Waterlase YSGG Technology.**  Understanding Parameters Affecting Performance, Power Density as Dose of Energy, Mechanism of Soft Tissue Removal. Comparative Understanding for Er.Cr:YSGG being the best suited Wavelength for Soft Tissue Management. |
| 10:15 – 10:30 | **Break** |
| 10:30 – 11:00  11:00-12:00 | **Clinical –Target Tissue Exercises**  Continue to test and understand Parameters Affecting Performance, Different Tip Applications (pulses per second, H and S mode, tip types, distance to tissue)  **Lecture – Soft-Tissue Laser Dentistry with Waterlase**  Understanding how YSGG ablates Soft Tissue, Cutting Speed, Managing the Surgical Zone, Controlling Bleeding, Achieving Optimal Patient Outcomes |
| 12:00 – 1:00 | **Lunch** |
| 1:00 – 1:45  1:45-3:00 | **Clinical – Soft Tissue procedures**  *Procedure: Gingivectomy, Flap procedure, Frenectomy, Fibroma Removal* Overview, Clinical Steps, Handpiece & Tips Selection  **Lecture – Hard Tissue Laser Dentistry**  Understanding Enamel Rods, Dentinal Tubules, Er,Cr:YSGG Laser Energy Penetration in Hard Tissues, Decay Removal, Waterlase Cavity Preparations, Laser Root Desensitization, Laser Analgesia. |
| 3:00 – 3:15 | **Break** |
| 3:15 – 5:00 | **Clinical – Restorative procedures**  In-depth hands-on practice performing Class 1,3,5 Cavity Preparations |
| 6:00 onwards | **Dinner** |



**Day Two – 8:00 a.m. to 5:00 p.m.**

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| 8:00 – 8:30 | **Review for WCLI Associate Fellowship Exam** |
| 8:30 – 9:30 | **WCLI Associate Fellowship Written Exam** |
| 9:30 – 9:45 | **Morning Coffee Break** |
| 9:45 – 10:30 | **Lecture: Additional Soft Tissue Procedures**  *Procedures: Lingual Frenectomy, Aphthous Ulcers and Cold Sore, Laser Bandage, Troughing, Implant uncovering*  Techniques, Handpiece and Tip selection, Settings, Tissue Management, Case Selection |
| 10:30 – 12:00 | **Lecture: Introduction to Waterlase Advanced Periodontal procedures**  *1. REPAIR Perio, REPAIR Implant, Osseous Crown Lengthening* Case selection for success, Principles in Laser-Assisted Periodontal Therapy |
| 12:00 – 1:00 | **Lunch Break** |
| 1:30 – 2:00  2:00-2:30 | **Lecture: Introduction to Waterlase Advanced Endo Procedures**  2. *Endodontic Debridement and Disinfection*  Case selection for Success, Principles in Laser-Assisted Endodontic Therapy Demonstration of Procedures to be Practiced during Hands-on |
| 2:30 – 2:45 | **Break** |
| 2:45 – 3:45  3:45-4:15 | **Clinical: Repair Perio, Endodontic Decontamination and Osseous Crown Lengthening, Advanced Soft Tissue Procedures**  Practicing movement of Radial Firing Tips during Periodontal Curettage and Endodontic Procedures. Using End Firing Tip for both Soft and Hard Tissue recontouring during Crown Lengthening, establishing Biological Width.  ***Procedures: Frenectomy, Aphthous Ulcers, Fibroma Removal, Laser Bandage, Troughing, non-surgical periodontal***  **Lecture: Post-operative management**  *Porcelain & Veneer Removal and Laser-Assisted Extractions* |
| 415 – 4:40 | **Q&A** |
| 4:40 – 5:00 | **Presentation of Certificates** |

**Prior to Training**

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| **Online**  **Training** | **Pre-Training Course**  Laser Physics, Safety, Laser-Tissue Interaction, Buttonology, Parameters Affecting Performance, Managing Laser Tips, and managing the SureFire Fiber.  ***NOTE: The completion of this course is a Prerequisite for all Waterlase Training Courses.*** |