

TRANSFORMING MATTER

TWO-DAY PRACTICAL MASTER COURSE

June 24-25, 2022



Master Course in Savona, Italy
with MDT Daniele Rondoni and his team



White and pink aesthetics: a distinctive approach using KATANA™ Zirconia Multi-Layered
Finishing of six anterior elements with gingival flange produced from high-strength KATANA™ Zirconia – from surface morphology adjustments to micro-layering.

FOREWORD

Innovative high-translucency, multi-layered variants of zirconia feature well-balanced optical and outstanding mechanical properties. Their use allows for better outcomes of laboratory-based digital workflows and makes it possible to fulfil the increasing functional demands we are facing in the clinical environment. Depending on individual, case-specific needs, laboratory technicians can select a suitable zirconia and the distinctive technical approach delivering the desired outcomes. For this purpose, it is essential to develop a deep understanding of the available materials, their chromatic adaptability and general aesthetic potential, the design and finishing options and their correct technical implementation as well as the most important case-specific selection criteria. In combination with advanced laboratory-based communication skills, this knowledge will enable us to fulfil or even exceed the patient's expectations by delivering a highly aesthetic, functional restoration.

Let us assume that a six-unit anterior bridge with gum area on implants is needed. For the ideal prosthetic solution, white aesthetics is fundamental, but a perfect harmony will only be achieved if the gingival texture and colour is reproduced in a natural way, as the gingiva is considered the “aesthetic frame” of the dental restoration. **Our solution is a monolithic restoration made of KATANA™ Zirconia YML, finished using a 3D micro-layering technique with CERABIEN™ ZR.**

OBJECTIVE

In this Master Course, you will acquire the **theoretical knowledge** needed to select the appropriate zirconia and finishing technique for every individual case and the **practical skills** required for the finishing of the six-unit bridge with gum area – from surface texturing to 3D micro-layering on teeth and gums.

YOU WILL LEARN TO:

- ✓ Select the appropriate type of KATANA™ Zirconia ML
- ✓ Re-finish pre-sintered zirconia
- ✓ Optimize the sintering process
- ✓ Re-finish and prepare the zero cut-back elements
- ✓ Accomplish micro-layering with CERABIEN™ ZR porcelain
- ✓ Perform mechanical finishing and polishing



DAY 1

Start of the day – 9:00 AM

Theory, Part I:

- Zirconia evolution and classification
- Clinical strategies and needs
- Selection criteria for KATANA™ Zirconia
- Tooth and gum natural colour analysis
- Internal Live Stain Technique
- Paste porcelain layering
- Digital workflow
- New lab procedures

Hands-On, Part I:

- “Carving” treatment of the pre-sintered restoration
- Morphological finishing of “carving” treatment
- Texturing, symmetrical macro-replication
- Sintering processes

Theory, Part II:

- Optical properties of the natural tooth
- Colour projection and material selection for 3D micro-layering
- Colour assessment and spectrophotometric control
- Standard and individual colouring

Conclusion of the activities: 18:00 PM

DAY 2

Start of the day – 9:00 AM

Hands-On, Part II:

- Analysis of the sintering results
- Post-sintering corrections and mechanical finishing
- Zero cut-back surface preparation
- Internal live staining and fluorine layering

Hands-On, Part III:

- 3D micro-layering with ceramic emulsions
- Opalescence effects and intensives: simplified symmetrical technique
- Gum layering with tissue porcelain
- Chromatic control and baking

Hands-On, Part IV:

- Mechanical polishing of zirconia surfaces
- Individual polishing
- Final analysis and discussion about the finished objects
- Checking of the finished objects and evaluation
- Final revision

Conclusion of the activities: 17:00 PM

Before every phase of the course, a live demo will be performed by the lecturer.