

14 PACE
approved
CE credits

Ceramic Implant Application

From single tooth to full arch

Dr. Dan Hagi

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By Dr. Dan Hagi

About the Course:

osteocom and Dr. Dan Hagi are pleased to welcome you to Ceramic Implant Application.

This new online course focuses on ceramic implants and their application in daily practice, providing detailed video lectures with clinical videos concerning the use of zirconia dental implants in every type of implant-supported rehabilitation scenario.

The use of zirconia in dental implant manufacturing provides a new standard in partial and complete edentulism treatment.

Dr. Dan Hagi invites you to join this dental implant revolution, and learn everything you need to know about ceramic implants.

The successful implementation in your daily practice of this technological enhancement will help you to boost patients' satisfaction while ensuring amazing treatment outcomes.

The objective of this online course is to provide implant and perio specialists as well as general dentists with the theoretical and - first and foremost - practical skills, mandatory to rehabilitate edentulous patients with long-term, metal-free, highly esthetic implant restoration strategies.

The program provides a 360° perspective on ceramic implants, a better and deeper understanding of the relevant characteristics of the material, and a full comparison between metal and metal-free implants.



Moreover, the description of the clinical applications of zirconia implant revolved around a series of practical videos, with a special focus on the pros and limits of metal-free implantology.

The complete didactic path that compose this extensive course will guide the learner towards a total understanding of ceramic implantology, providing the user with indications concerning the successful introduction of metal-free implantology in the daily practice, and how to correctly propose these solutions to the patients.

Format Description:

The course includes 14 PACE approved CE credits (an e-mail with instructions on how to retrieve credits will be sent once the course is completed)

- 18 detailed lectures reviewing:
 - zirconia characteristics
 - biology and application
 - implant surgery protocols
 - prosthetic protocols
 - management of complications
 - long term follow-up and maintenance.

Competences to be acquired by participants

- Understand the advantages and rationale of ceramic implants
- Treatment planning strategies, with specific focus on biomechanics, predictability and longevity

- How to take advantage of both One piece and Two-piece ceramic implants
- Prosthetic technique application and restorative digital workflow
- Recognize and deal with both surgical and prosthetic complications
- Learn the secrets behind the successful introduction of ceramic implants in your practice from an economic viewpoint.

SUBSCRIPTION TERM: UNLIMITED

Purchase now and get your unlimited access to all the video collection:

the videos will be available 24/7 on all your devices.

Number of Lectures: 18

Duration: 11h

Video Quality: FULL HD VIDEO

Language: English

Video Lecture 1: Introduction, Course Briefing and Rationale for Ceramic Implants

The first lecture of this channel begins with a proper introduction of the key points that we are going to see together. We will then proceed by describing implant dentistry, its growth and the rationale of ceramic implants in the constantly-evolving world of implantology.

Video Lecture 2: Historical perspective on Titanium and Ceramic Implants

The second lecture addresses the history of ceramic implants, and the effects of that history on current implant designs, prosthetic connections and, ultimately, on the adaptation of the material as an implantable endosseous tooth replacement option.



Video Lecture 3: Chemistry and Zirconia Material Science

The third video of the collection describes the chemical and physical properties of zirconia, and how these features make it the material of choice for ceramic implants. A thorough discussion on the reason why modern day zirconia is suitable to be used as an implant delves into concepts such as Low Temperature Degradation and causes for material failure.

Video Lecture 4: Transferring the transmucosal contour achieved with the provisional restoration to the final restoration

This lecture focuses on biomechanics and bone physiology. We will address the variety of intra-oral forces and introduce strategies to reduce force factors. The aim is to provide evidence-based support for bone healing and osseointegration of ceramic implants.

Video Lecture 5: Biological benefits of Ceramic Implants

One of the biggest benefits of ceramic implants is the reaction of neighbouring soft tissues. This lecture outlines the reaction of adjacent soft tissues to ceramic implant positioning, as well as design parameters that help to reduce the risk of peri-implant disease development. A specific focus on the difference between one and two-piece implant designs is provided, as well as a series of case examples of peri-ceramic implant bone loss treatment.

Video Lecture 6: Factors influencing implant success

The objective of this lecture is to systematically explore the reasons for implant survival and success. The author reviews the literature available and takes a closer look at the factors that play a role in reducing implant failure risks. A novel approach to minimizing failure and increasing success with ceramic implants is introduced.

Video Lecture 7: Concepts of General Treatment planning in Implant Dentistry

This lecture shows how to successfully plan implant-supported restorations, taking into consideration the correct patient evaluation parameters, biomechanics and aesthetics. Though not specifically structured on ceramic implants, this lecture is a must for understanding the rationale behind treatment planning.

Video Lecture 8: Special considerations on Ceramic Implantology

This lecture exploits the previous one as a starting point, and explores the indications and contraindications of ceramic implants in simple and complex cases treatment planning. Case selection criteria - a critical parameter to increase success and minimize complications - are thoroughly explained.

Video Lecture 9: Surgical Protocols for placing "simple" implants

This lecture focuses on metal-free implant installation in simple cases. We will dive into a review of basic surgical principles and surgical armamentarium, with the aim of seeing together the characteristics and clinical application features of one VS two-piece ceramic implants provided by the main manufactures.

Video Lecture 10: Guided surgery with Ceramic Implants

This lecture describes guided surgery principles, starting from an introduction to both static and dynamic computer-aided surgery with metal-free implants. The objective is to provide the criteria for treatment modality selection by comparing traditional non-guided approaches to digitally-driven ones.

Video Lecture 11: Immediate ceramic implants and grafting

In this video the Author describes immediate post-extraction ceramic implant placement. Outlining the crucial importance of correct implant positioning in post-extractive sockets, the lecture offers a step-by-step commentary of all the clinical phases of this approach. Contextual tissue augmentation is also reviewed.

Video Lecture 12: Complex and full arch rehabilitation

This lecture outlines everything that must be taken into consideration when approaching challenging cases, involving large GBRs and multiple adjacent implants in full mouth rehabilitations. The review takes the form of an extensive case review, to highlight the methodology chosen for each rehabilitation.

Video Lecture 13: Prelude to Prosthetics

This lecture starts with a description of the evaluation of implant stability, outlining a methodology dedicated to one-piece implants. The focus then shifts to prosthetic armamentarium, and to the rationale behind prosthesis retention design.

Video Lecture 14: Digital prosthetic workflows

Digital dentistry plays a central role in metal-free rehabilitations. This 14th lecture focuses on the evolution of digital technologies and the application of state of the art digital and analog workflows. Special attention is paid to the prosthetic phase of implant supported restorations.

Video Lecture 15: Surgical complications

The video shows the diagnosis and management of early surgical complications that may arise with the placement of ceramic implants. We'll delve into techniques for successfully managing such complications, combining evidence based and easy to replicate practical approaches.

Video Lecture 16: Prosthetic complications

The video describes a comparison of prosthetic-related complications between metal and metal-free implant-supported restorations. The author outlines the management of the few prosthetic and mechanical complications that may arise as a result of ceramic implant rehabilitation.

Video Lecture 17: Long-term follow-up and maintenance

The video shows the last phase of any dental implant restoration: follow up and maintenance. We'll try to stress both the importance of patient education and compliance, as well as the followup and maintenance plans and strategies that ensure that our work lasts for a long time.

Video Lecture 18: Marketing Ceramic Implants and Final Thoughts

The video wraps up the whole training path, revisiting biomechanical treatment critical features and the aspects that allow to avoid pitfalls and negative outcomes.



Dr. Dan Hagi

Dr. Dan Hagi is recognized around the world as a leading authority and an expert in the fields of Ceramic Implantology and metal-free rehabilitation. He is a published author and consultant to numerous dental manufacturers. Dr. Hagi is an international lecturer and considered a pioneer of ceramic dental implantology in Canada. In 2013 his clinic was only the second in Canada to be honored with the designation of Leading Dental Centre of the World. Dr. Hagi practices all aspects of implantology including full arch rehabilitation with both traditional and ceramic implants as well as extensive surgical bone augmentation treatments where needed.

He has always maintained an interest in organized dentistry and has current and past memberships with the Academy of General Dentistry, International Congress of Oral Implantology, American Academy of Implant Dentistry, American Academy of Cosmetic Dentistry, and Canadian Dental Association among others.

The Dental Implantology Center of Excellence is home to excellence in education, where colleagues from all over the world come to immerse themselves in cutting-edge treatments, modalities in implant, and aesthetic dentistry in a setting that fosters learning and collaboration.



