



LEVEL 2 ADVANCED COURSE WITH AI

BIONECK INTEGRATIVE MATRIX

2 Days

**Educational Program
in Dental Implantology**

This program is designed explicitly for public universities and dental faculties.

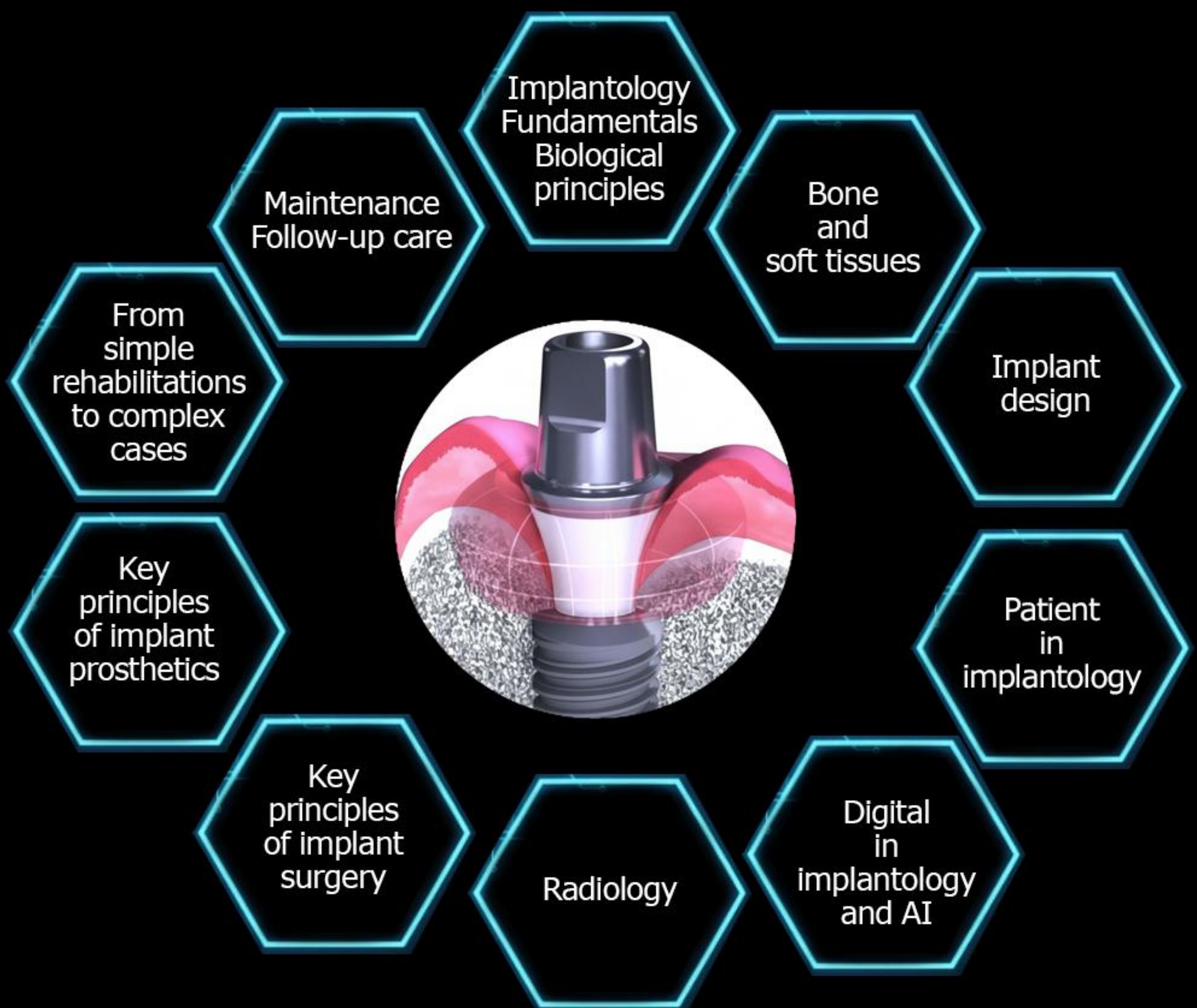


Dr. Robert Fromental
Professor, DMD, PhD,
Laureate of Lyon Dental
Surgery University
Oral Rehabilitation Specialist

Academic Program in Implantology

BIO-NECK INTEGRATIVE MATRIX

Digital prosthesis Ai Drived



The curriculum maps out the complete structure of implant treatment from A to Z, providing students with a systematic, predictable approach to clinical care.

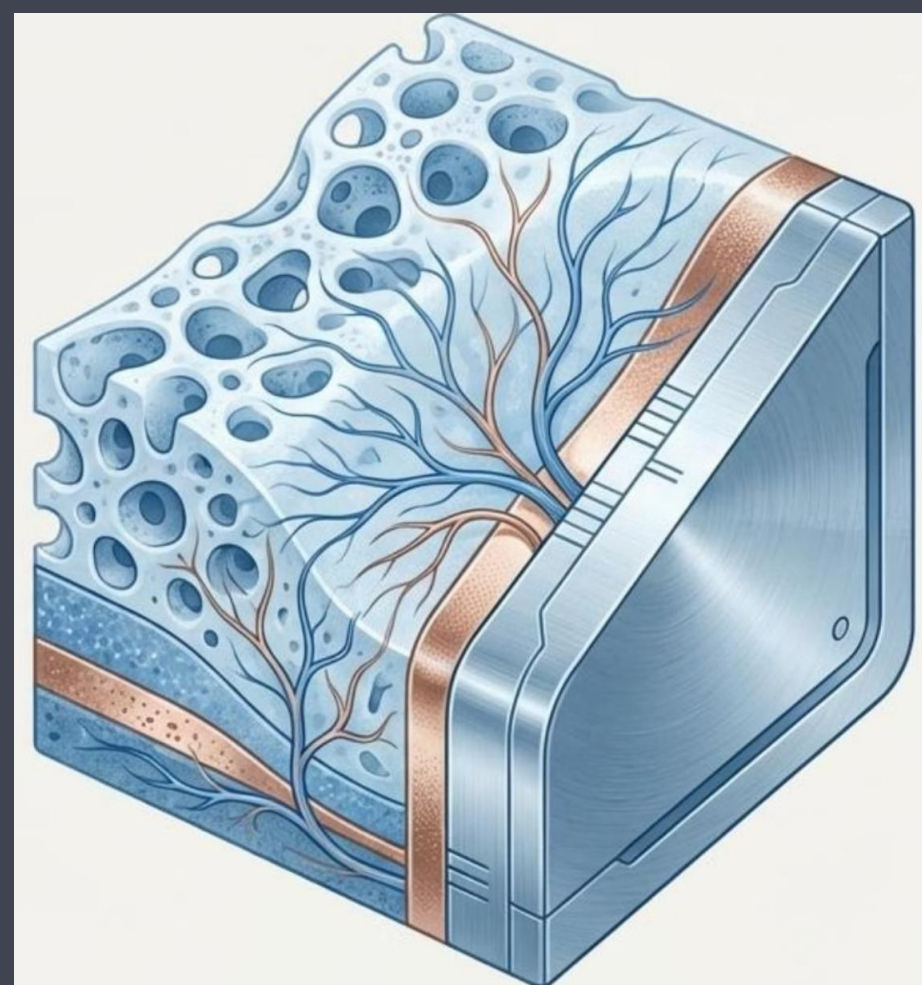


Mastering Biological Foundations and Regenerative Principles

Core Biological Focus

Moving beyond basic mechanics, the theoretical curriculum deeply explores the biological foundations of implantology.

*A core focus is placed on the principles of **Guided Bone Regeneration (GBR)**, ensuring students understand the underlying biology of successful integration.*



Designed for Seamless Integration into the Academic Calendar

A highly concentrated, in-person format hosted directly at the university.

2

Days of In-Person Academic Training

20–25

Minimum of Participants

€800

Training Fee Per Participant

A Transparent Investment in Clinical Excellence

Training Fee: €1200 per participant. This covers the complete 3-day in-person academic training program, including theoretical lectures and practical sessions.

Introduction to Artificial Intelligence in Dentistry : From Clinical to Ai-copilot

01

Introduction

Context and Challenges

02

Diagnosis & Imaging

AI for Radiographic Analysis

03

Planning

Automation and Precision

Future of Implantology

This presentation explores how artificial intelligence is transforming every stage of implant dentistry—from initial diagnosis through surgical execution—demonstrating practical applications that enhance precision, safety, and patient outcomes.

Introduction: Why AI?

AI is not a threat but a precision tool to enhance clinical practice

Artificial intelligence represents a paradigm shift in how we approach implant dentistry. Rather than replacing clinical expertise, AI serves as an advanced diagnostic and planning assistant that amplifies our capabilities as clinicians.

The integration of machine learning algorithms into dental practice addresses longstanding challenges in treatment planning, risk assessment, and outcome prediction. These technologies process vast datasets in seconds, identifying patterns and anomalies that might escape even experienced practitioners.



Reduction of diagnostic errors



Optimized and personalized planning



Improved predictability of outcomes

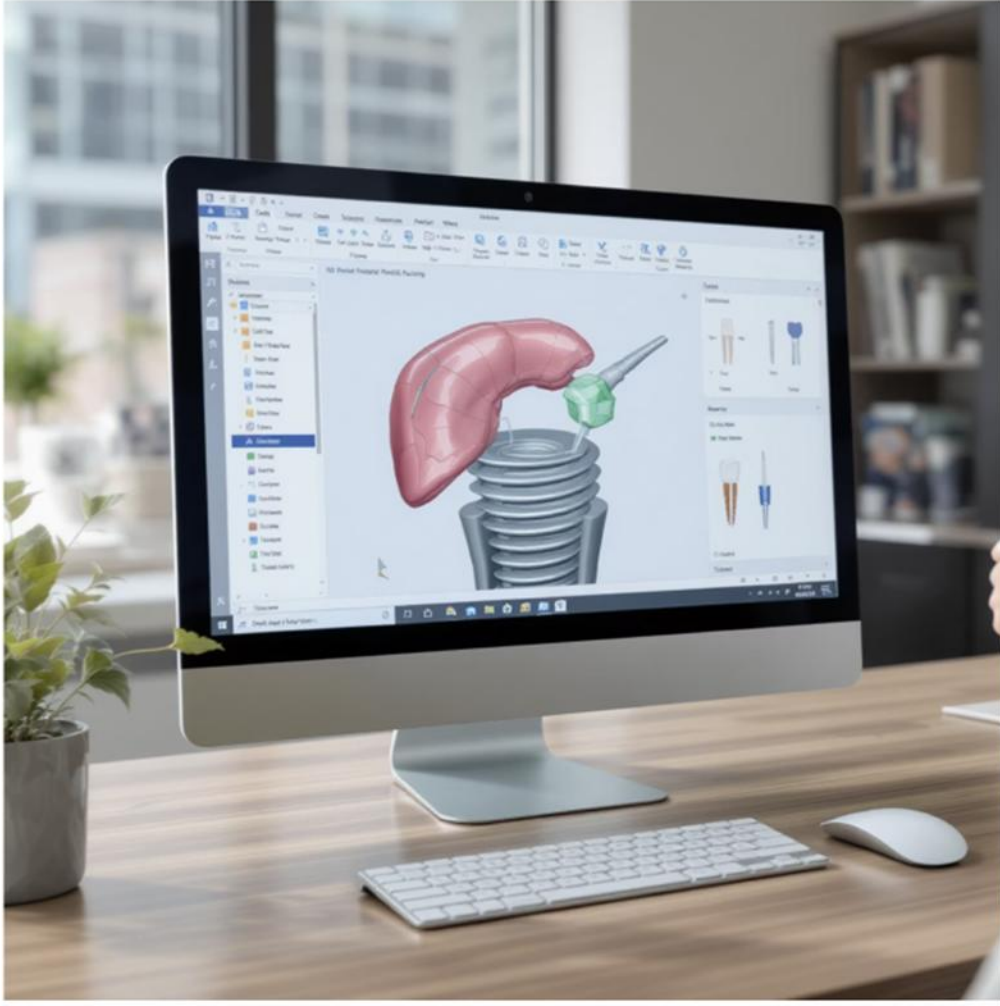


Enhanced clinical efficiency



AI-Enhanced Planning

Intelligent automation of the planning phase



Automatic Anatomic Segmentation

AI instantly identifies and delineates critical structures including the inferior alveolar nerve, mental foramen, maxillary sinus, and nasal cavity. Segmentation that traditionally required 30–45 minutes of manual tracing now completes in under 60 seconds with exceptional accuracy.

Data-Driven Positioning

Machine learning algorithms analyze thousands of successful cases to recommend optimal implant angulation, depth, and positioning. These evidence-based suggestions account for bone volume, adjacent tooth proximity, prosthetic requirements, and biomechanical load distribution.

Success Prediction Modeling

Predictive analytics assess patient-specific risk factors—smoking history, diabetes control, bone quality, implant site—to generate probabilistic outcomes. Clinicians receive quantified success predictions that inform treatment discussions and alternative planning scenarios.

Personalized Treatment Protocols

AI synthesizes patient anatomy, medical history, and case complexity to recommend tailored surgical approaches, healing protocols, and loading timelines. This individualized strategy optimizes outcomes while respecting each patient's unique clinical presentation.

Diagnosis & AI Imaging

Advanced radiographic intelligence transforming diagnostic accuracy

Radiographic Analysis

AI algorithms detect peri-implant pathologies with 78.6% accuracy, identifying bone loss, inflammation markers, and early-stage complications that may be subtle on conventional review. Deep learning models trained on thousands of cases recognize patterns associated with failing implants.

Automated Implant Classification

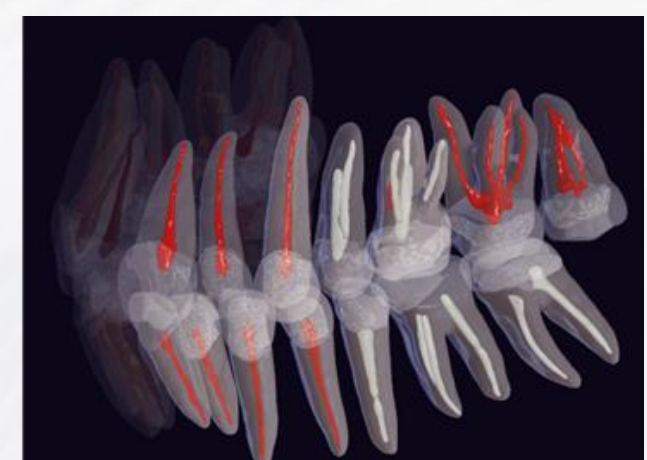
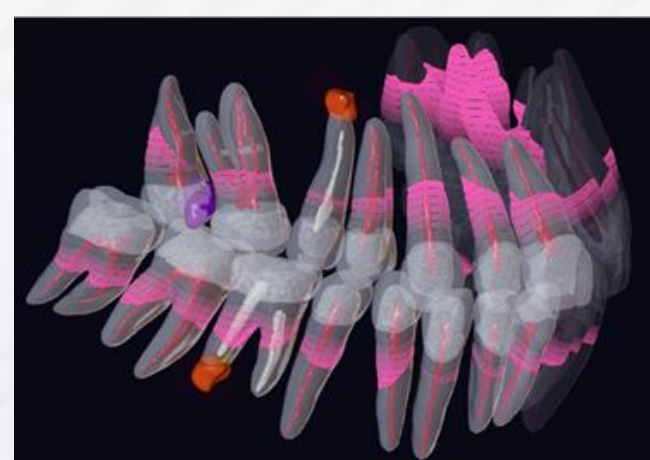
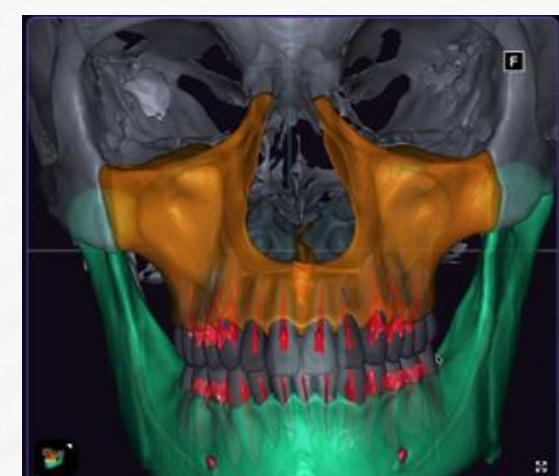
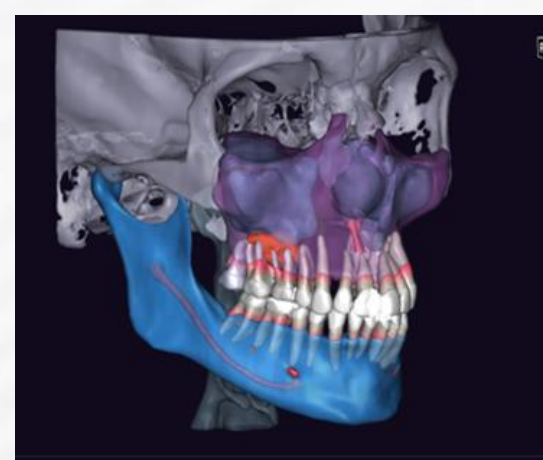
Neural networks achieve 99.1% accuracy on CBCT scans for implant system identification, manufacturer classification, and dimensional analysis. This capability is invaluable for treatment planning around existing restorations and for managing legacy cases.

Bone Quality Assessment

Advanced algorithms evaluate bone density, trabecular architecture, and cortical thickness across the surgical site. AI-powered segmentation tools automatically classify bone according to Lekholm and Zarb criteria, optimizing treatment approaches for each unique anatomical situation.

Clinical Decision Support

AI functions as a sophisticated "second opinion," flagging areas of concern, suggesting alternative interpretations, and highlighting findings that warrant closer examination. This augmentation of clinical judgment reduces oversight errors and improves diagnostic confidence.



Expanding the Educational Horizon Through Clinical Immersion

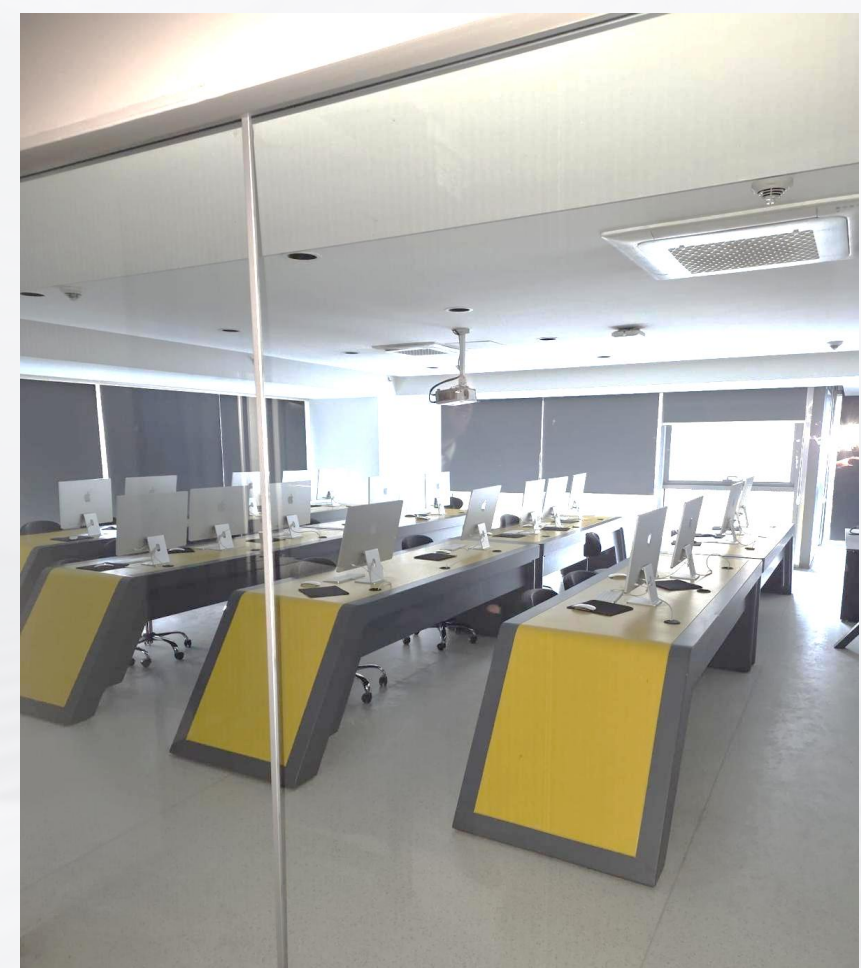


University ATLAS Istanbul Turkey

CLINICAL PRACTICE ON PATIENTS

UNIVERSITY CERTIFICATE OF PARTICIPATION

General objective: To acquire the theoretical and practical foundations necessary for the planning and execution of simple to moderately complex implant treatments in a secure university setting.



Pricing for Istanbul's Training

Mövenpick Living Istanbul Saklivadi



OFFERS

1 person per room	5900 €
2 persons per room	5600 €

Duration : 5 Days (Day 0 to Day 5)
PARTICIPANTS MUST BE LICENSED DENTISTS

INCLUDED BASIC FOR BOTH VARIANTS:

- 4* Hotel accomodation (5 nights)
- Training (D1-D5)
- Breakfast included
- Lunches included
- Gala dinner
- Airport-hotel-airport transfers

FLIGHTS ARE THE RESPONSIBILITY OF THE PARTICIPANTS

**For further demands,
we will happy to assist you :**

DETAILS:

We appreciate your attention and interest.

Should you have any questions,
feel free to get in touch.



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