BE DENT SKILLED

ARE YOU DREAMING TO BECOME A PROFESSIONAL DENTIST? MEET OUR BRAND-NEW MULTI-TASK DENTAL SIMULATOR – BE.DENT.PRO

- It is more than just manual skills and cavity preparation
- It is more than just objective assessment of a separate skill
- It is a multi-task AR simulator assessing clinical competencies integrated in a realistic environment with accurate 3D visualization

New ergonomic and modern style

Head of simulator can be rotated up to 180 degrees

Convenient work opportunities for both left-handers and right-handers

Unique tracking system, which reproduces in real time position on 3D screen our manipulations

Oral cavity have three positions of opening

New articulator model makes possible to open and close the oral cavity, like a real patient

Several variants for installation Leonardo on the workplace

REALISTIC ENVIRONMENT & MULTIDISCIPLINARY AR-SIMULATOR

- Used tools are real HP and Typodont without any trackers
- No more heavy trackers attached to dental tools
- Simple and real automated calibration
- No more issue with smooth tracking system
- Integrated Learning Management System
- Radiography Module
- Anesthesiology Module

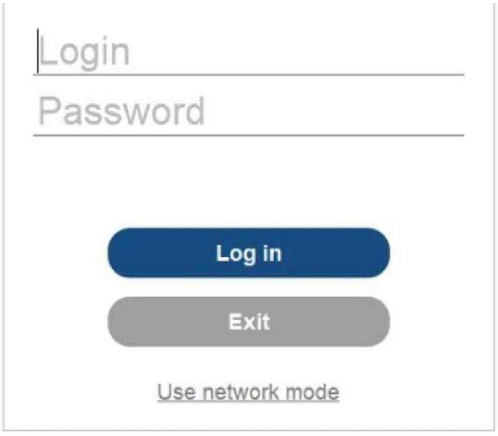
REAL TIME 3D-VISUALIZATION

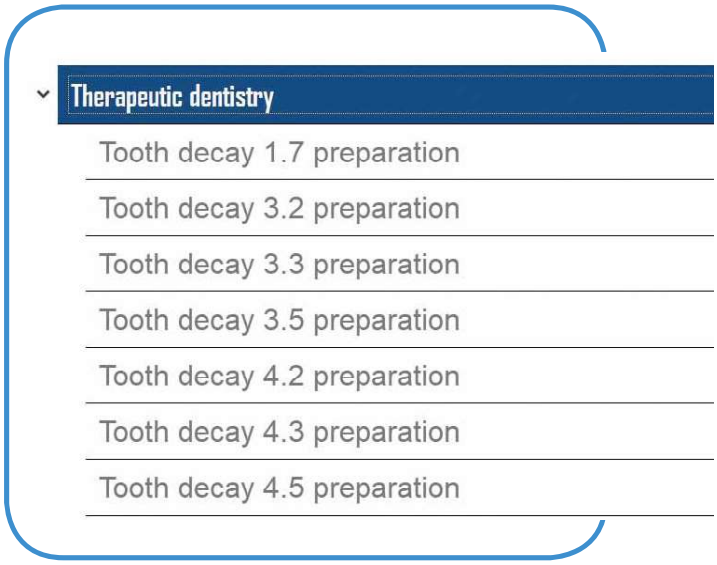
- AR is enabling the trainee to visualize his handpiece positioning in real time
- Real time feedback provided in 3D rendering similar to digital scanning
- Handpiece does not need a tracker so the trainee feels like he works with a regular handpiece

HAVE A LOOK AT THE STEP-BY-STEP TRAINING

Step 1

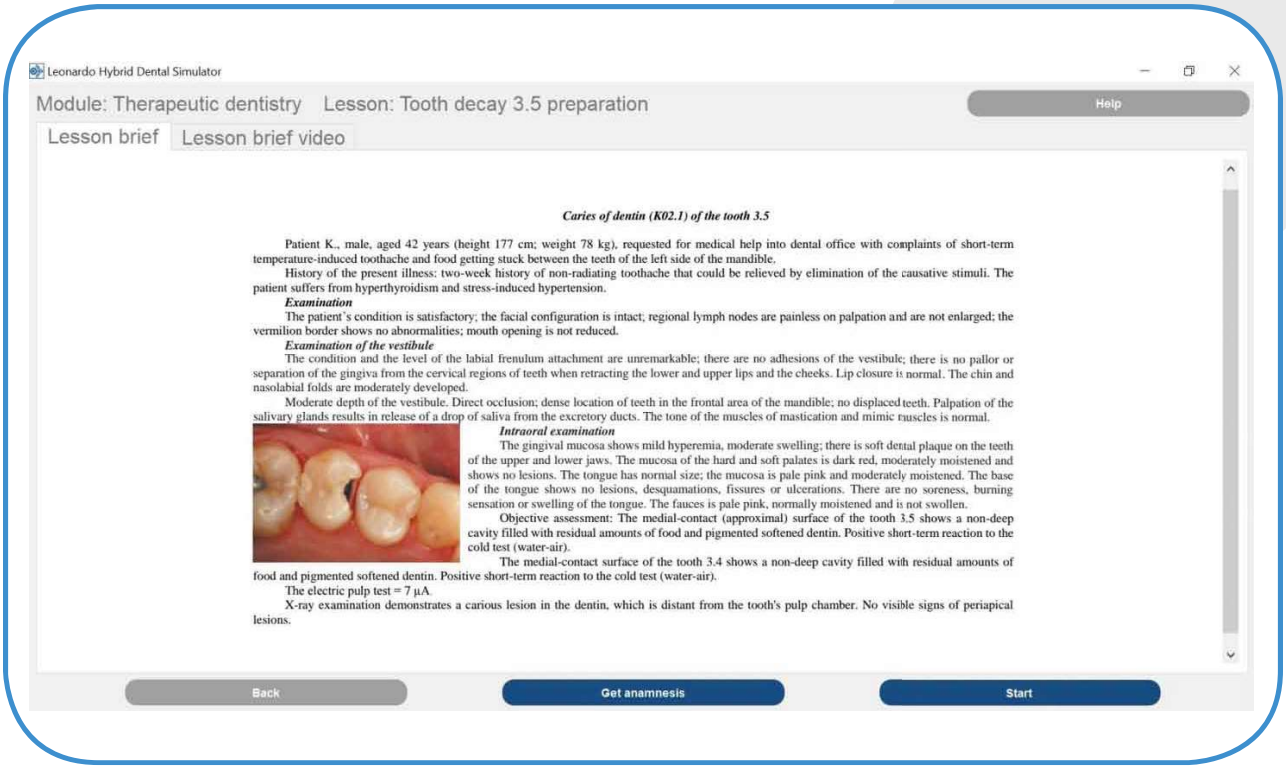
Log in using your personal credentials and choose a case to start your training. More than **60** cases on **3** dental specialties are available.

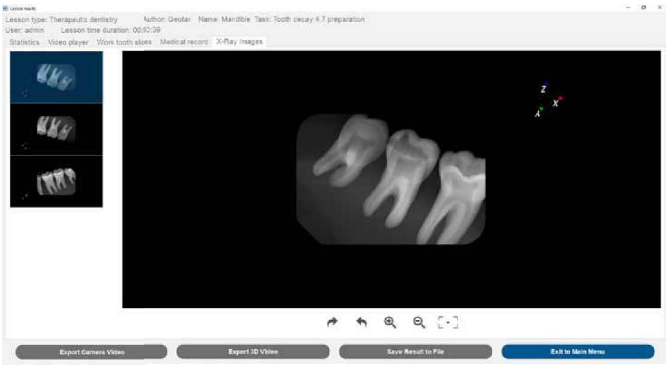




Step 2

The briefing block: every lesson begins with a briefing, which contains patient complaints, his/her medical history and related images. In the questionnaire a trainee can collect a patient's history by choosing related questions from the wide library and adding the important ones to the patient's card. What a wonderful way to develop the trainee's clinical reasoning!



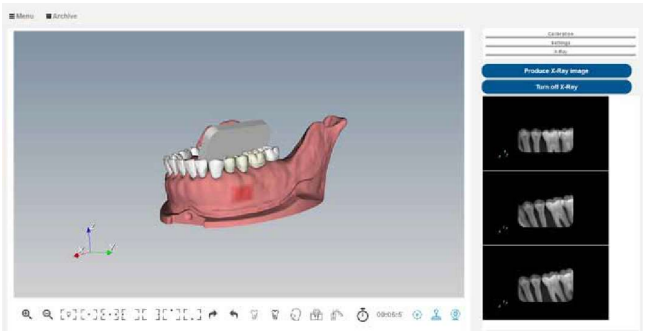


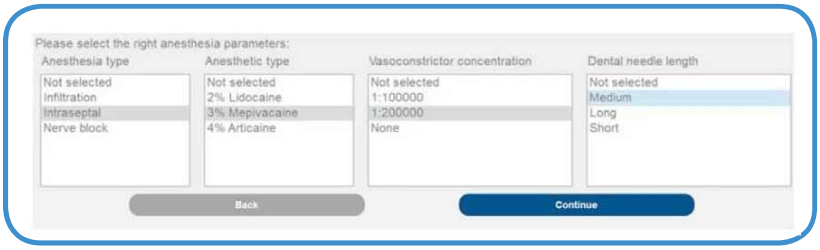
Step 3

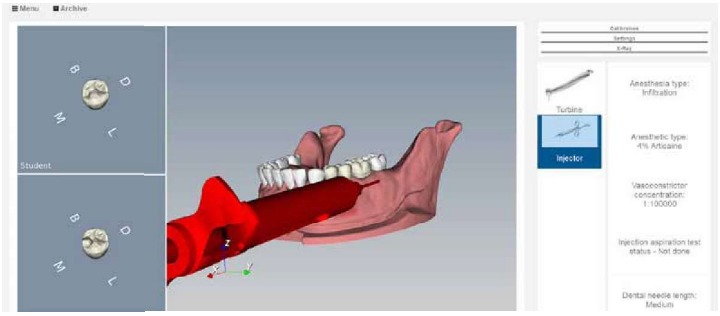
The X-ray block. The simulator is equipped with a special positioner that helps to learn how to obtain a proper positing of a tooth on an X-ray image. An unlimited number of X-Ray images can be taken without any harm to the trainee or patient. All images are saved in a library and can be used for later debriefing.

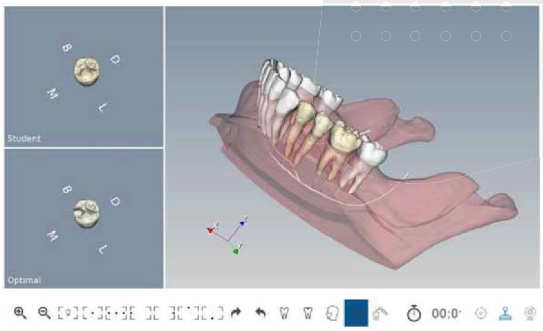
Step 4

The anesthesia block. The anesthesia block is created to train different anesthesia techniques (periodontal anesthesia, nerve blocks, infiltration anesthesia) by determining a local anesthetic agent, vasoconstrictor type and a needle length. A trainee can visualize the anatomical structure of the jaw (its nervous and muscular systems) to see the correct injection site.



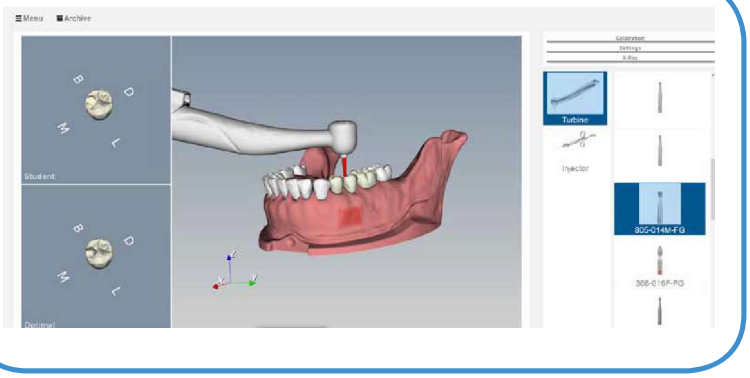






Step 5

Tooth preparation. The microsensors, mounted on the dental hand piece, are tracked in full 6DOF (6 Degrees-Of-Freedom) at speeds up to 240 Hz providing impressive accuracy of the performed manipulations. The tooth preparation cases both for therapeutic and orthopedic dentistry are developed by doctors for doctors.



Step 6

The debriefing block. Real video capture from the camera synchronized with 3D-player enabling the instructor to check ergonomic and posture. Real Video capture eliminates issues of cheating during testing. Report is generated according to the trainee`s selection of relevant parameters depending on what student is tested on. A teacher can also review all questions and answers from medical history data accomplished by the trainee.