



Accurate
Learn. Practice. Improve.

BEAUTYSIM

**The First Advanced
Aesthetic Medicine Simulator**

OVERVIEW

BeautySim™ is a training system for aesthetic medicine, with advanced haptic features.

It includes:

- A highly realistic head model that enables facial aesthetics injection techniques
- A sensorized syringe, which integrates a positional tracking technology that is unique in the world. The combined use of the head model and of the sensorized syringe gives the possibility to simulate realistic drug administration procedures
- A 3D environment allows the user to monitor the movements of the needle and the haptic interactions with the head model in real-time
- A database with real clinical cases and reporting
- An instructor and a learner panel with different interfaces. The instructor can guide the learner through the different phases of the training by using realistic clinical cases



TRAINING

BeautySim™ comes with a database of clinical cases about Botulinum Toxin and Hyaluronic Acid interventions based on real patients' data.

Each clinical case includes:

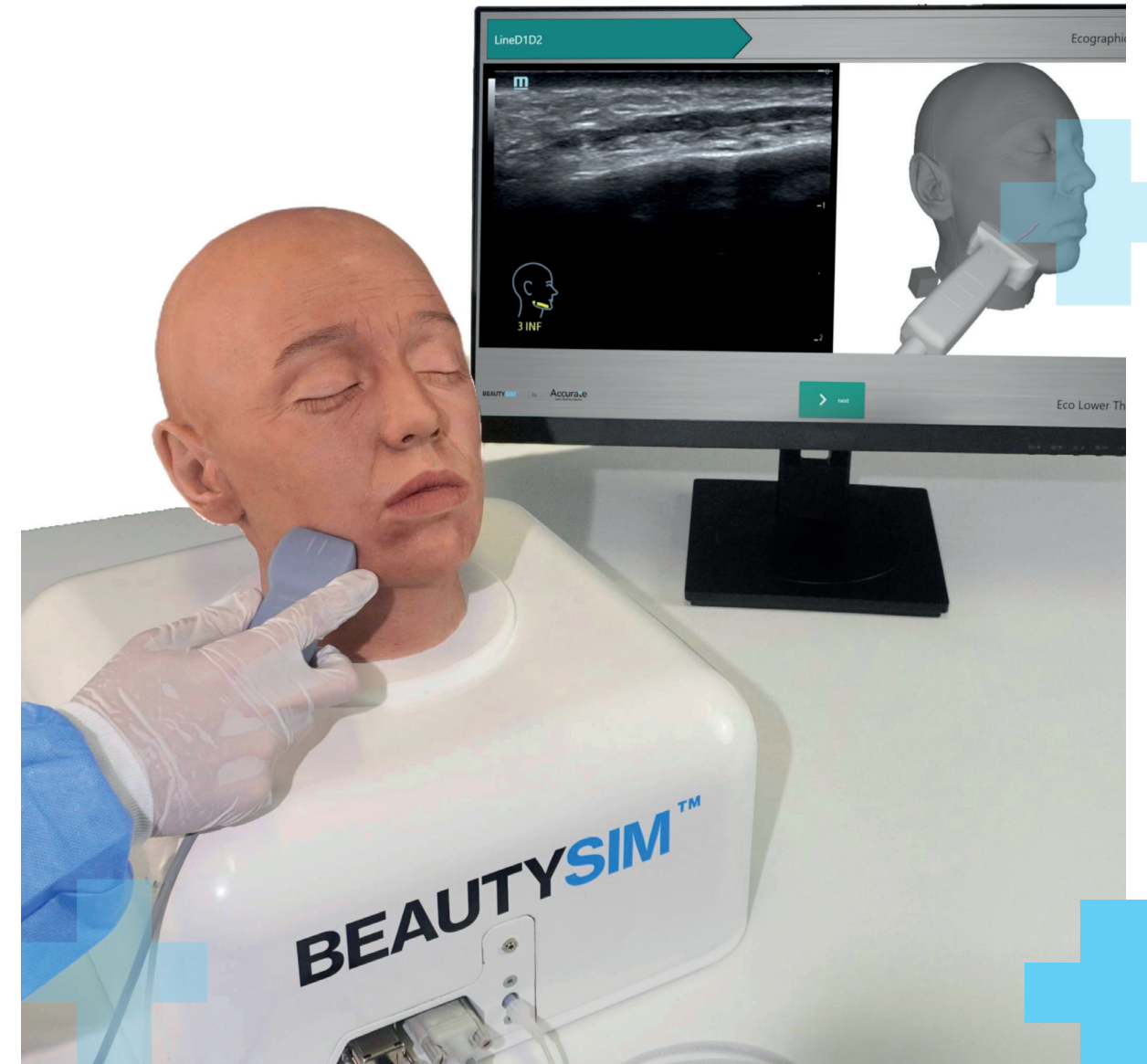
- A clinical questionnaire about the procedure and the face areas involved, such as frontal, procerus, corrugators and orbicularis. The questions address different specific aspects of each individual case, helping the learner to go through a detailed analysis of the procedure
- Training on how to properly choose the target areas and the quantity of drug to be administered
- An accurate visualization of the main consequences of the procedure on the patient face expression by using photorealistic simulations based on real images
- An advanced training on the an head model featuring the look and feel of human tissue

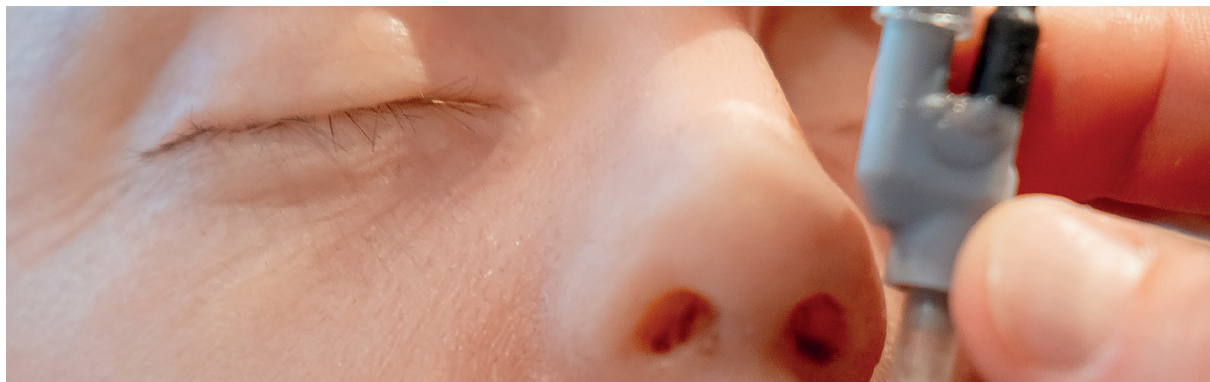


ADVANCED FEATURES

The following features are parts of a **BeautySim™ advance package**:

- **Ultrasound module**: the simulator is equipped with a probe and advanced technology that enables the ultrasound visualization of facial anatomical structures, allowing trainees to learn and practice injectable procedures safely.
- Clinical cases of intervention using Botulinum Toxin and Hyaluronic Acid, with realistic haptic modification of the drug density during the syringe insertion. The BEAUTYSIM features over **19 scenarios** of injectable procedures, organized into the three main areas of aesthetic medicine: Botulin Toxin, Filler, and Eco Investigation.
- Monitoring of the errors related to the fillers insertion into subcutaneous arterial vessels
- 3D augmented reality capabilities with Microsoft Hololens2, allowing the exploration of subcutaneous vascular structures.





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