XR-Clinic

highly realistic simulator of a medical clinic.

MEDVR

TRAIN BETTER

XR-Clinic
Train better

XR-Clinic is an innovative product for training medical personnel's in professional skills without risk to patients in a realistic simulation environment, based on our own XR (VR) technology.

Advantages

+ Wearing Personal protective equipment (PPE); .
+ Case scenarios based on WHO recommendations;
+ Maximum savings on physical equipment;
+ Reduce the cost of creating a simulation environment for training and OSCE;
+ Saving the space of the simulation center (in one room 16 m^2 a virtual clinic with 20 rooms can be located);
+ Online technical support;
+ Remote software update;
+ Actors replaced by virtual patient;
+ Opportunity to develop professional skills without the risk to the patient;
+ Automated exam of OSCE with an objective assessment;
+ Basic modules for the most common diseases;
+ Possibility of developing clinical cases according to customer needs.

VR headset

tactile gloves

sensors

Patient Interaction

The patient is a realistic model of a person who communicates with a doctor, answers questions, and makes complaints. The student can record the conversation results in medical history, and the program will automatically evaluate the effectiveness of communication.

Interactive objects

During the examination , students can interact with the patient using stethoscope, sphygmomanometer, oral thermometer...etc.

More than 25 clinical cases*

+ Covid-19 outpatient appointment cases
+ Mitral valve stenosis
+ Mitral valve regurgitation
+ Aortic valve stenosis
+ Aortic valve regurgitation
+ Hypertension
+ Myocardial Infarction
+ Appendicitis Peptic ulcer
+ Gallstones
+ Pneumonia
+ Asthma
+ Pyelonephritis
+ Urinary tract infection
+ Hyperthyroidism
+ Type 1 diabetes mellitus
+ Type 2 diabetes mellitus
+ Healthy male or healthy female

*Cases can be developed according to customer needs.

Procedures and investigations:

+ Lab Tests related to the case:
   -Complete Blood Count (CBC);
   -Blood Chemistry , PT ..etc.
+ Cardiac test:
   -Electrocardiogram
12 lead electrocardiogram (ECG or EKG) will be displayed on the VR monitor .
   -Echocardiogram
+ Further Imaging Studies: X ray ,MRI ,CT

XR-clinic diagnosis:

All the results based on student actions will be recorded and processed according to each case. The diagnosis will be a result of student final decision ,the XR Clinic will allow the student to make the diagnosis after completing all the steps and investigations required , then XR clinic will reveal all the steps and decisions that were taken during the case and will give a score based on student performance.

The students will be trained on the following specialties:

+ Internal medicine
+ Pediatrics
+ Cardiology
+ Surgery
+ Diagnostics
+ Gastroenterology
+ Endocrinology
+ Family Medicine
+ Neurology
+ Pulmonology

Contacts

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