

# BRONCHO

SIMULATOR FOR BRONCHOSCOPY



- ▶ BRONCHO-X is the virtual reality simulator for teaching and training practical skills in bronchoscopy.
- ▶ BRONCHO-X offers exercise modules with realistic anatomies in a virtual reality environment and bronchoscope instruments adapted for simulation training.
- ▶ BRONCHO-X is designed for teaching and training healthcare professionals a wide range of clinical cases based on the real clinic practice in bronchoscopy.

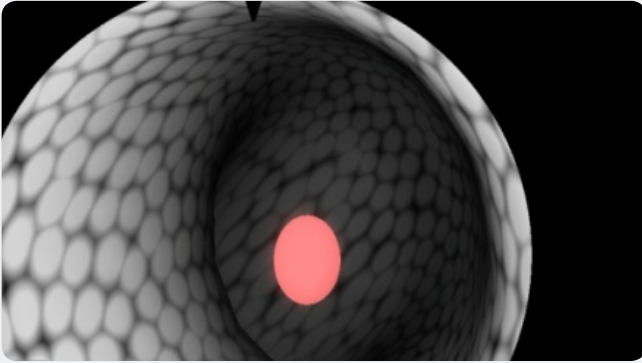
**The simulation trainer for realistic bronchoscopic interventions**

# BRONCHO

SIMULATOR FOR BRONCHOSCOPY

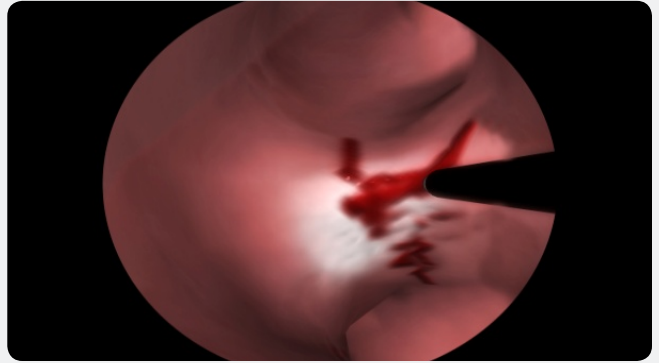


## SIGNIFICANT SKILLS



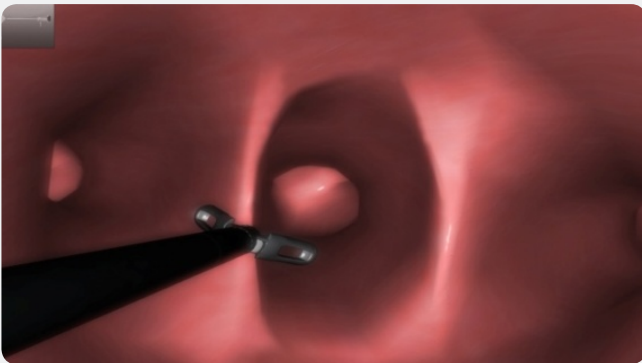
- ▶ Mastering safe bronchoscope handling for examination
- ▶ Mastering the instrument handling
- ▶ Teaching and testing the knowledge of the bronchial tree anatomy

## THERAPEUTIC BRONCHOSCOPY



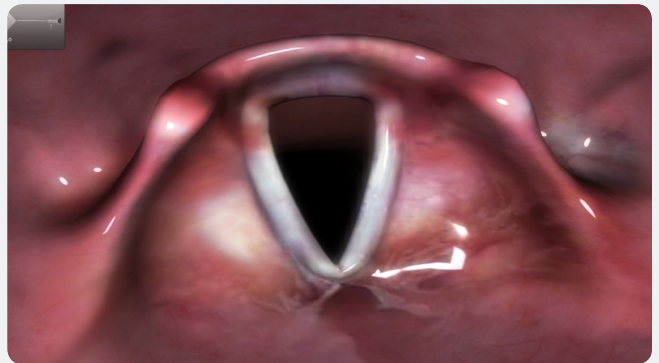
- ▶ 12 clinical cases
- ▶ Training action course in case of emergencies
- ▶ Training the skills necessary for handling copious bleeding
- ▶ Training the skills necessary for handling mucoid impaction occurrence
- ▶ Training the skills necessary for handling foreign body extraction
- ▶ Handling complications

## DIAGNOSTIC BRONCHOSCOPY



- ▶ 12 clinical cases
- ▶ Training practical skills of safe examination
- ▶ Mastering the use of instruments for tissue sampling
- ▶ Identifying diseases
- ▶ Identifying complications
- ▶ Learning to maintain moderate sedation for the patient during the examination
- ▶ Monitoring vital parameters
- ▶ Learning to control oxygen supply

## PEDIATRIC BRONCHOSCOPY



- ▶ Main clinical bronchoscopic cases of children's anatomy
- ▶ Mastering safe bronchoscope handling for examination
- ▶ Training practical skills of safe examination
- ▶ Mastering the use of instruments for tissue sampling
- ▶ Identifying diseases
- ▶ Identifying complications
- ▶ Conducting interventions according to the child's organism peculiarities

## Benefits at a glance:

- ▶ Life-like anatomical virtual reality graphics
- ▶ Extensive exercise modules for bronchoscopy
- ▶ Realistic bronchoscopy instruments
- ▶ Complications and detailed statistics on the exercise completion are provided
- ▶ Instrument holder
- ▶ User-friendly touchscreen interface
- ▶ Instrument haptic feedback system
- ▶ Complete solution, ready for placement in the training room