ENDO-X is the virtual reality simulator for teaching and training practical skills in endoscopy of the upper and lower GI.

- ENDO-X uses realistic endoscopic instruments for gastroscopy and colonoscopy.
- ENDO-X has a wide range of clinical cases based on the real clinic practice for the training of diagnostics as well as therapeutic skills of the upper and lower GI.

The virtual reality simulator for training gastroenterology and colonoscopy
GASTROSCOPY EXERCISE MODULES

- Diagnostic gastroscopy
  - Training the skills necessary for diagnostics of the upper GI in a modeled environment
  - Practicing with different anatomy and clinical cases with a number of various complications
  - Learning how to take samples
  - Mastering the endoscope handling for examination
  - Screening and early cancer detection

- Therapeutic gastroscopy
  - Practicing on exercises with different pathologies and complications
  - Making a complicated polyp ablation
  - Clipping occurring bleedings and placing stents

- Gastric hemorrhage
  - Training the skills of hemostasis and further actions when complications occur during interventions
  - Practicing with the most widespread clinical cases of gastric hemorrhage occurrence

COLONOSCOPY EXERCISE MODULES

- Diagnostic colonoscopy
  - Training the skills necessary for colon examination
  - Handling the endoscope in a correct way
  - Mastering a complete and detailed colon examination
  - Identifying different complicated anatomical cases and pathologies
  - Mastering the use of instruments for the tissue sampling
  - Practicing the techniques of painless colonoscopy and early cancer detection

- Therapeutic colonoscopy
  - Training the skills necessary for colon treatment
  - Making a complicated polyp ablation and hemostasis
  - Detecting diverticula or obstruction along with different kinds of pathologies
  - Identifying the pathologies in a correct way
  - Making decisions on treatment methods
  - Handling complications
  - Learning the use of different drugs and the prescription of further treatment

- Sigmoidoscopy
  - Training the skills necessary for examination of the rectum and sigmoid colon
  - Identifying malignant tumors and learn how to monitor their growth, practice stage detection and the prescription of further treatment
  - Practicing with complicated anatomy and different pathologies
  - Practicing examination preparations
  - Making decision on the necessity and reasonability of biopsy

Benefits at a glance:

- Life-like anatomical virtual reality graphics
- Exercise modules for gastroscopy and colonoscopy
- 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