



mikoto

The Next Generation Medical Simulator

Colonoscopy Model

The “mikoto” Colonoscopy Model is a revolutionary medical simulator designed to help doctors enhance their skills more efficiently through detailed procedure evaluation and scoring.



Product details

Now available for purchase

Gastrointestinal Endoscopy Model



The “mikoto” Gastrointestinal Endoscopy Model supports procedural expertise with its uniquely developed navigation function. This cutting-edge medical simulator offers a completely new training experience.



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Due to high demand, we are processing orders on a first-come, first-served basis. Your order will be shipped as soon as it becomes available. For more information on delivery times, please don't hesitate to contact us.

R ZERO Inc.
✉ mikoto@rzero.jp



Expertly Crafted Organ Model

Easy to handle

- Lightweight design (approximately 8.7kg)
- Compact Size (W417×D290×H327mm)



Low Maintenance



- No need for clean-up after use
- Vegetable oil-based lubricant

User-Friendly



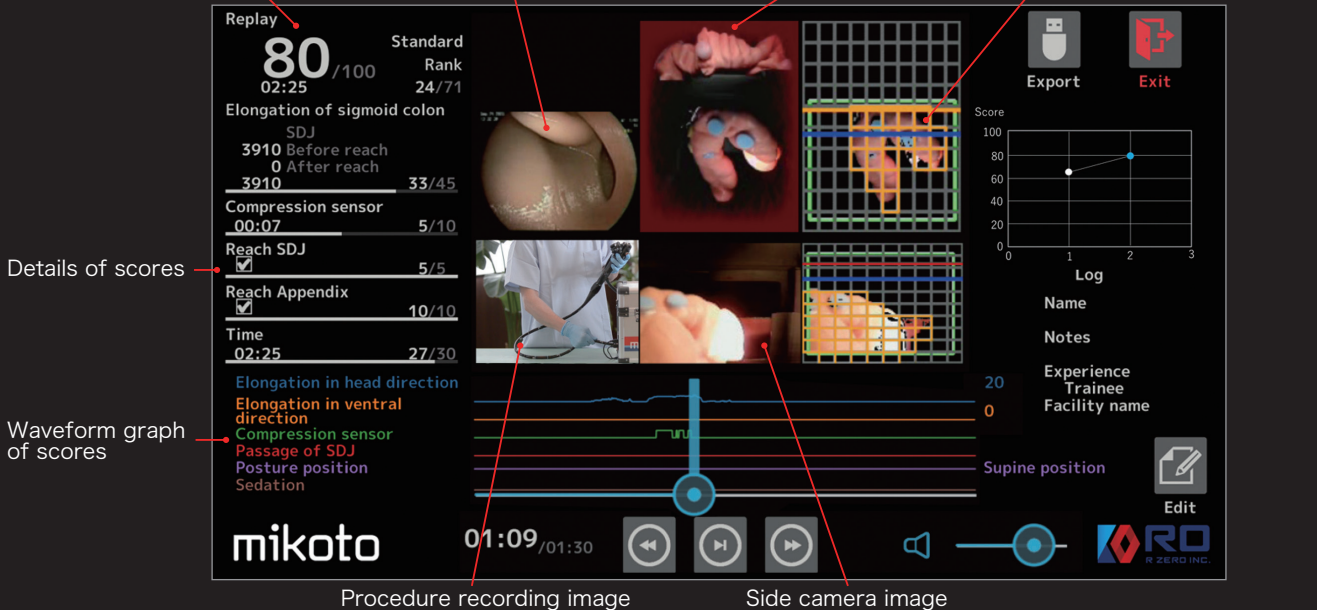
- ALL-in-one system
- Takes just 3minutes to set up
- Build-in touch panel display for intuitive operation

Automated assessment and scoring for Self-Evaluation.

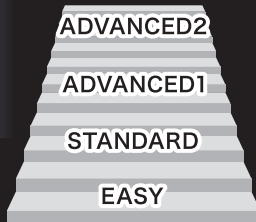
Functions

Colonoscopy techniques are displayed like below, using a scoring system. All procedures are recorded for self-learning.

Score of procedure Endoscopy image Upper camera image Colon image analysis screen

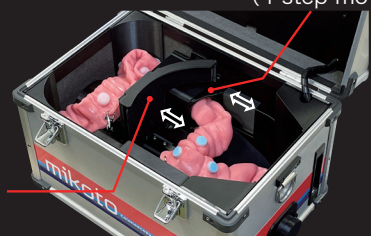


4 adjustable difficulty settings



Automatic colon model setup

Abdominal pressure plate (2-step movement)



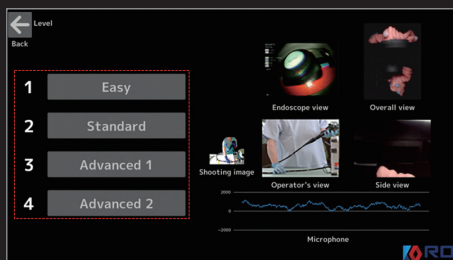
3-Step to start

1st Step



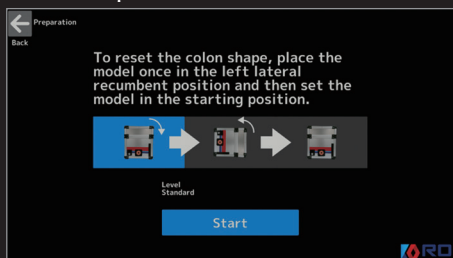
Please press the "Start Training".

2nd Step



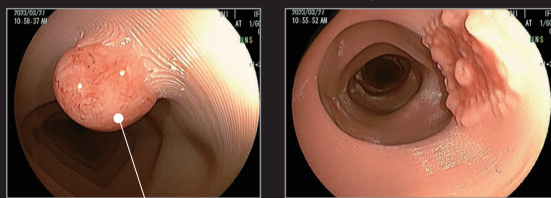
Select one of the difficulty levels from 1 to 4.

3rd Step



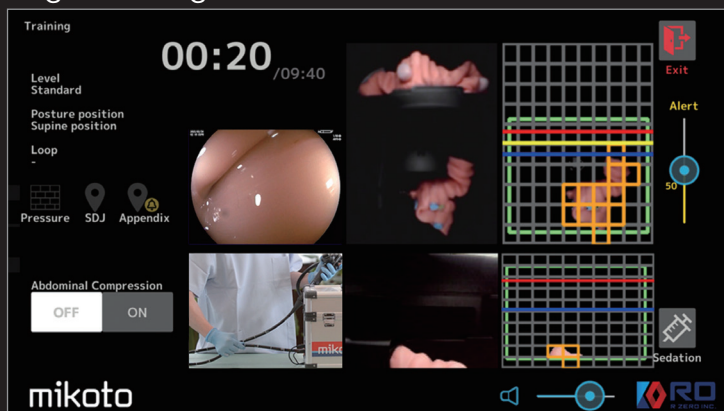
Press "Start", after you reset the colon shape.

Realistic interior modeling



Polyp

Begin training



Elapsed time of observation

Enter the number of polyps observed

Your training result this time is...

86 /100

Observation time: 05:12

Skip

How many lesions did you have?

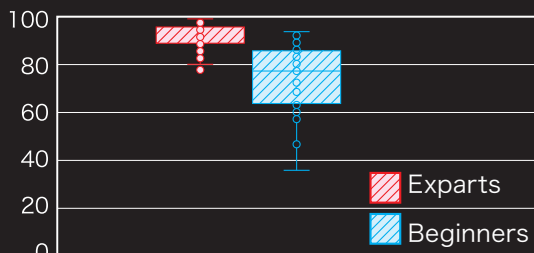
Part	Number of lesions
Ascending colon	1
Transverse colon	3
Descending colon	0
Sigmoid colon	1
Rectum	0
Total	5

Next

Illustration by Hinata R ZERO INC.

Divided observation area

Observation method training image



Differences in scores between advanced and beginner endoscopists using mikoto.

Specification

- Size and Weight : W417×D290×H327mm 8.7kg
- Power INPUT : DC12.0V 5.0A 60.0W
AC adapter : AC100-240V 50-60Hz 1.5A MAX
- Built-in PC Operating system : Linux-based OS
- Wireless LAN : IEEE802.11b,g,n,ac
(2.4GHz band / 5GHz band)

- Operating temperature / humidity :
10-40°C / 85% RH or less
- Storage temperature / humidity :
-20-60°C / 5-95%
(Do not use in condensation conditions.)

Contact Us



【 AGENCY 】

【 MANUFACTURER 】



R ZERO Inc.

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NEW



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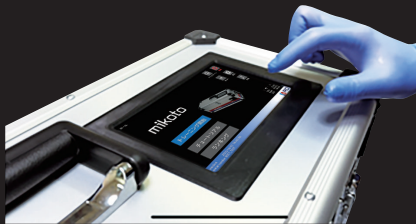
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Realistic modeling and multiple functions. A completely new educational simulator for gastroscopy.

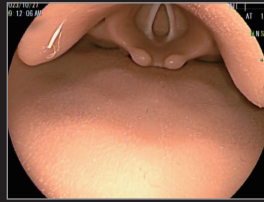
User-Friendly

- Lightweight design (approximately 7.6kg)
- Compact Size (W640xD240xH250mm)
- ALL-in-one system
- Takes just 3 minutes to set up
- No need to clean-up after use



Realistic Organ modeling

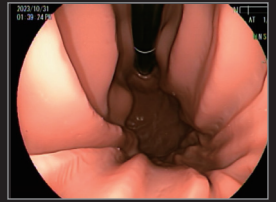
- Highly realistic anatomical features
- Allowing actual practice passing through the pharynx with gag reflex function



Pharynx



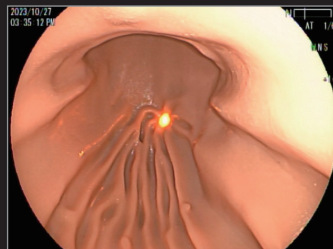
With insufflation



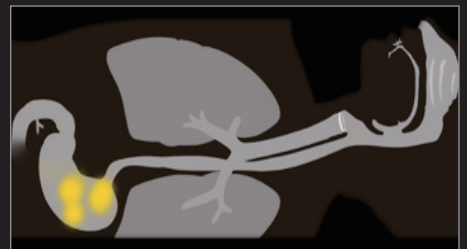
With aspiration

Advanced Navigation Functions

- LED guided observation sequence with voice navigation and LED light guide
- Gastric map assist display feature for observation coverage



LED light indicator



Map displays observation targets and scope location

Automated assessment and scoring for Self-Evaluation.

Functions

Techniques are scored and mikoto supports efficient self-learning.

Details of scores

Waveform graph of scores

Score of Procedure

91 /100

02:01 / 20:20

Pharynx pressure 106 / 16/20

Lateral pressure 1293 / 5/10

Burping frequency 0 / 10/10

Intragastric pressure

Suction

Insufflation 10/10

Observation coverage 100% / 30/30

Time 02:01 / 20:20

Pharynx pressure

Lateral pressure

Intragastric pressure

Endoscopy image

Procedure recording image

Next Exit

Historical score

Number of cases

Name mikoto

Hospital rzero

Experience Trainee

Notes

Export Edit

mikoto 01:22 / 00:39

Multiple practice courses. Courses can be selected according to your level.

- Comprehensive Training Mode : Incorporates the insights and expertise of experienced endoscopists
- Adaptable Content : Customized training for various proficiency levels

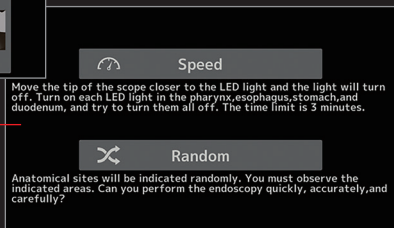


4 practice courses



Having fun while learning

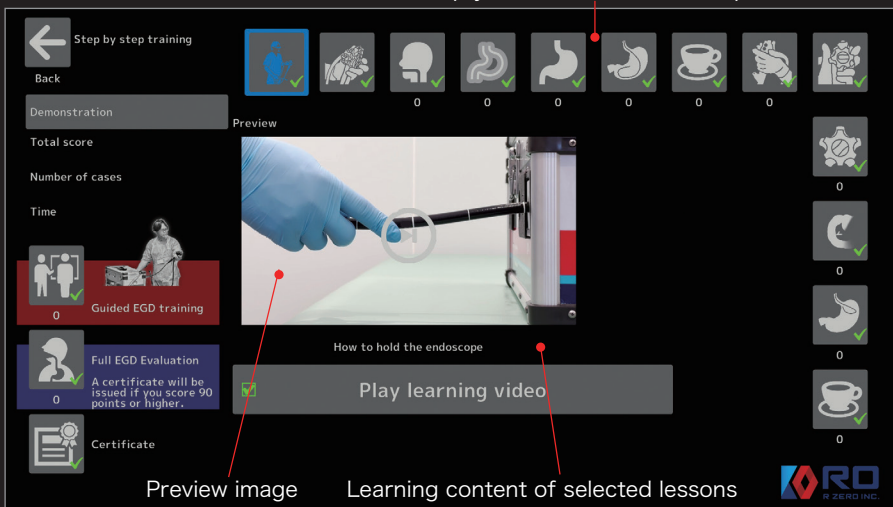
The order of observation by LED lighting instructions can be changed for each facility.



School mode

World's First : The only simulator modeled after real-world guidance by endoscopists, ensuring a realistic and practical learning experience.

10 lessons are available to help you learn basic endoscopic movements



Preview image

Learning content of selected lessons

Beginners can master basic gastroscopy techniques in just 30 minutes.

- Each technique is systematically divided into manageable steps, allowing trainees to study efficiently.
- Voice guidance and LED lighting make the learning process easy and accessible for all.

Under the supervision of Shuichi Miyamoto, M.D., Ph.D., Hokkaido University Hospital

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