Clinical Skills -Suture-

MW16

Laparoscopic Suture Simulator -Assessment System-

Real and objective assessment to develop first class surgeons

Laparoscopic Suture Simulator evaluates skills in laparoscopic intestinal suture, as well as simple skin suture and forceps training. Simulate true-to-life scenarios by using real clinical devices, life-like softness and anatomy of the intestinal wall and dermis.



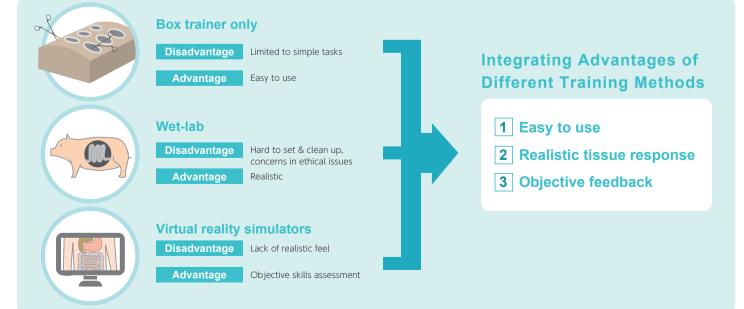
FEATURES

- 1 Innovative assessment criteria provide quantitative and objective feedback
- 2 Individual assessment data can be saved for reviewing and analysis
- 3 |True-to-life simulated tissue that provides convincing handson experiences.
- 4 |Actual clinical instruments can be used.
- 5 |A variety of training options
- 6 |Convenient all-in-one unit

SKILLS

Laparoscopic intestinal suture

- | Skin suture under direct vision
- | Handling of laparoscopic instruments



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Laparoscopic Intestinal Tract Suture

Judging success or failure

layer to mucosal layer?

Is the wound sutured without a leak?

Is suture completed through muscular

How much open area is there in mucosal layer?

How long does it take for suturing procedure?

Is ligature appropriate for suture?

1

2

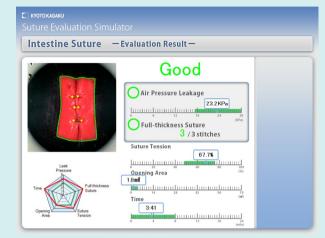
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4

Quantitative Feedback combined with Realistic Hands-on Experience

The system utilizes five criteria to evaluate laparoscopic suturing skills.

Each criteria has an "acceptable" range based on expert surgeons to help improve performance.



Air leak from the sutured area can be checked by applying air pressure on the intestinal tract sheet. * Uemura M et al. Surg Endosc. 2014. PMID: 25005015 / DOI: 10. 1007/s00464-014-3681-9

Life-like Intestinal Tract

Intestinal tract has four layers with respective characteristics. When holding with forceps and suturing, these four layers react like real tissue.



Laparoscopic Forceps Training

Evaluate simple interrupted skin suturing via quantitative assessment criteria. The Objective evaluation encourages honing of skills.



Forceps Training mode enables dry box training to handle laparoscopic instruments.



SPECIFICATIONS

Size: W50 x D110 x H160 cm W19.7 x D43.3 x H63 inch Weight: 93 kg/205lbs

SET INCLUDES

- 1 monitor
- touch-monitor
- 1 video camera for assessment (intestinal tract suture)
- 1 video camera for assessment (skin suture)
- DESCRIPTIONS Power: AC100-240V, 50/60 Hz Power Consumption: 180 VA

MATERIALS Soft resin

Latex free

1 video camera for procedure recording 1 set of trocar

- container
- 30 pieces of suturing sheet (intestinal tract)
- 40 pieces suturing sheet (skin)
- 1 instruction manual

RECOMMENDED DEVICES

Forceps are not included. **REPLACEMENT PARTS**

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torso body

1 unit base

printer

1 key board