

Evaluation Method: Quantification and Grading

The basic idea of "good" sutures that earn high score is sutures which close wounds properly giving minimum impact to the patients.

Through research and experiments, six evaluation items are recognized, normalized and then made in a formula to calculate scores.

If necessary, weighing coefficients of the formula can be modified by the administrator.

$$I_T = 1 - \frac{T - M_{Dr}}{M_{Unskill} - M_{Dr}}$$

$$\begin{cases} I_T < 0; I_T = 0 \\ I_T > 1; I_T = 1 \end{cases}$$

Time		
	Unskilled Person	Surgeon
Time [s]	384	122
Time (Normalize)	0.05	0.95

Platform Information

It is prerequisites for using suture evaluation simulator.
Microsoft Windows Vista XP (Over SP2)
Microsoft Windows Vista (Over SP1)

Hardware

CPU: Intel Pentium III Over 1GHz
Memory: Over 1GB
Display: High Color (Over 16 bit)
Desktop: Over 800 x 600 (Recommended: over 1024 x 768)
Drive: CD-ROM Driver (For Installation)
Interface: USB 2.0 Port (For Connection of the Suture Simulator)

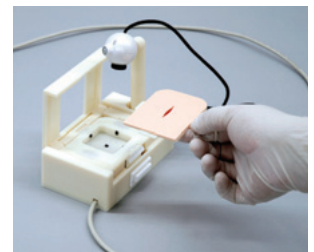
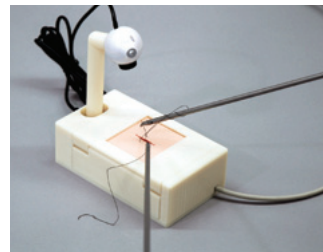
Software

Windows Media Player over 9
Internet Explorer over 6

M57C **New**

Laparoscopic Suture Evaluation Simulator

A new suture evaluation simulator for laparoscopic surgery is now available.



M57C Laparoscopic Suture Evaluation Simulator



Set includes:

- 1 M57C suturing unit
- 40 simulated skin
- 1 USB unit
- 1 software (CD) for set up
- 1 demonstration movie (CD)

*Training Box and PC are not included in the standard set

Specifications are subject to change.

M57C2 Laparoscopic Suture Evaluation Simulator (PC set)

Software installed

Replacement parts 11230-010 simulated skin 40 pcs

Ultrasound Examination

US-3

Abdominal Intraoperative & Laparoscopic Ultrasound Phantom

"IOUSFAN" Japanese Patent No. 3650096

Innovative phantom simulating abdominal open intraoperative and laparoscopic ultrasound

KYOTO KAGAKU

15 Kitanechoya-cho, Fushimi-ku, Kyoto, 612-8388, JAPAN
Tel: +81-75-605-2510 Fax: +81-75-605-2519
www.kyotokagaku.com rw-kyoto@kyotokagaku.co.jp

