



EMIGS TASK 4 - INTRACORPOREAL KNOT TYING

INSTRUMENTS

- Needle driver (1-2)
- Maryland grasper (0-1)
- Laparoscopic scissors (1)

SETUP

- Pick a side of the lap trainer to stand on.
- You must remain on this side for the duration of the task.
- You must set the penrose drain at a 45° angle, in-line/parallel with your laparoscopic needle holder.

TASK

- Suture closure of penrose drain slit using the intracorporeal knot tying method.
- First throw is a double throw, followed by two single throws.

TIME

- 600 seconds maximum (10 minutes).
- Timing starts when an instrument is visible on the monitor and ends when the needle end of the suture is cut inside the trainer.

ERRORS

- Deviations from marks on penrose drain.
- Inability to place a square knot, or incomplete apposition of the penrose drain slit.