



EMIGS TASK 3 - EXTRACORPOREAL KNOT TYING

INSTRUMENTS

- Needle driver (1-2)
- Maryland grasper (0-1)
- Knot pusher (open or closed)
- Laparoscopic scissors (1)
- Hemostat (1-2)
- Suture 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 extracorporeal knot tying method.
- Tie 3 single throws, transferring each throw into the trainer using the knot pusher.

TIME

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

ERRORS

- Deviations from marks on penrose drain.
- Lack of a square knot.
- Incomplete apposition of the penrose drain slit.