



EMIGS TASK #3 – EXTRACORPOREAL KNOT TYING (TEXT INSTRUCTIONS)

You will be required to pick a side of the Laparobowl trainer to stand on. You must remain on this side for the duration of this task.

You will be required to set the Penrose drain at a 45° angle either toward or away from you inside the Laparobowl.

To perform this task, you will need to have available two needle drivers, or one needle driver and one Maryland grasper. You will also utilize one of the provided 90-centimeter suture on a curved needle located in your test kit one of the short Penrose drains. You will use the suture to close the opening in the Penrose drain utilizing an extracorporeal knot tying technique.

To do this, you will tie three single throws, the first two throws should be in the same direction forming a surgeon's knot. The third throw transferring each throw into the trainer using the knot pusher.

Timing begins when an instrument is visible on the monitor and ends when both ends of the suture are cut from the completed knot inside the trainer, or the maximum time limit is reached, whichever comes first.

Suture should be introduced into the lap trainer while holding onto the suture as opposed to holding onto the needle. If the short Penrose drain is avulsed from the suture block, replace it, and continue.

The clock will continue to run while this is done.

Errors will include deviations from the marks on the Penrose, any lack of a square knot and incomplete apposition of the Penrose drain slit.

You will pass the needle through both marks on the Penrose drain as precisely as possible. Any deviation from the markings on the Penrose drain will be considered an error.

Once you've passed the needle through the Penrose, you will remove the needle through the same port that you used to introduce the needle and cut the needle off for safety before beginning knot tying.

Be sure to support the Penrose drain while pulling the suture out, to avoid avulsion of the Penrose drain from the Velcro.

You will begin your extracorporeal knot tying with a single throw, which you will push down into the lap trainer, utilizing your knot pusher. The 2nd knot should be placed in a similar direction to the 1st knot, thus forming a surgeon's knot. The 3rd knot should be placed in the opposite direction. Ensure this is a square knot.

Upon completion of your final knot, you will use the laparoscopic scissors to cut both ends of the suture off of the completed knot. You do not have to do this with both sutures at the same time.

Timing will be clocked once you have cut the 2 sutures inside of the trainer using your laparoscopic scissors, or if the maximum time allowed is reached.

Once the task is completed, and in the view of the camera inside the trainer box, Remove the Penrose drain and place it into the tamper-proof envelope to return to the AAGL for grading.