

Task One: Ball Transfer

Equipment: Two Maryland forceps, 6 cups, 15 balls
Maximum time limit: 300 seconds

Arrange 3 tall plastic cups (a) on points #1-3 provided on the Ball Transfer Backdrop and 3 short cups (b) with 5 balls in each within the center circle. The participant has 300 seconds to transfer 5 balls to each cup. Balls transferred to cup #1 must be transferred with the Left Stick while those transferred to #3 must be transferred with the Right Stick. #2 cup may receive ball carried by either stick. #2 cup may receive ball carried by either stick. To avoid deductions, the short cups (b) must remain within the black circle and the tall cups (a) must remain on top of the specified zone. A penalty score (-1) is deducted from 10 whenever a ball is dropped, carried outside the surgeon's view, or the cups are displaced outside the specified boundaries.



Task Two: Precision Cutting

Equipment: One Maryland forceps, one endoscopic scissors, one 4x4 Precision Cutting Backdrop printout
Maximum time limit: 400 seconds

After cutting along the dotted lines, secure the Precision Cutting Backdrop printout in the operating field. The participant will cut out the circle along the black line. For every cut deviating from printed black line, the participant will be penalized (-1), as well as for any deviation measuring longer than 2cm (-1). The timer will start when the tools enter the operating field and stop when the circle has been completely sectioned from the original cut out.



Task Three: Zip Tie Ligation Loop

Equipment: Two Maryland forceps, 1 disposable glove, 1 zip tie
Maximum time limit: 180 seconds

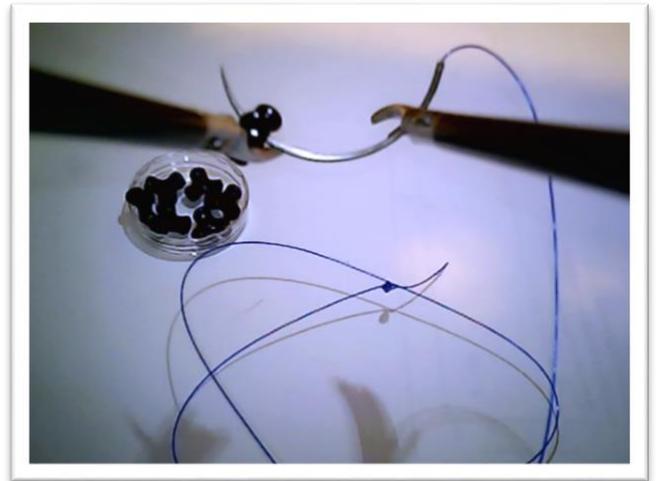
In this task, The participant will arrange and secure a ligation loop around an glove appendage using a zip tie. The zip tie may be pre-loaded prior to tool insertion. The time will start once a tool enters the operating field. And will stop once the appendage is ligated. Points will be deducted for each drop of the zip tie (-1). Losing the zip tie will result if a 0 score for this exercise. Hold the ligated appendage by the base to test the degree of ligation – if the zip tie fall off, a penalty will be deducted (-3). The participant may use which ever tool and ports they prefer.



Task Four: Precision Beading

Equipment: Two Maryland forceps, One 10cm suture (knotted on one end), 5 Beads, 1 cup
Maximum time limit: 300 seconds

The participant will be given a 10cm needled suture, knotted on the opposite end of needle so that the beads may not pass through. The needle may be pre-loaded before inserting the forceps and starting the timer. The 5 beads will be centered in the operating field within a cup. The participant may orient the tool in their preferred ports. The time will start when the sticks enter the operating field. Points will be deducted for each dropped ball (-1) and for each ball that is not beaded on the suture at the end of the timer (-1).



Task Five: Suture Knotting

Equipment: Two Maryland forceps, optional needle driver, One 10cm suture, Suture Pad or Penrose Drain
 Maximum time limit: 600 seconds

For this task the participant will place a short suture through the two marks and tie three throws of a knot intracorporeally, in order to close the provided slit. The first throw must be a surgeon's knot, followed by two single throws. The needle must exchange hands, or needle end of the suture, between each throw to ensure each throw is with the opposite hand. Participant may start tying with either hand, and with the tool and ports of his/her choice. The time will start once a tool enters the operating field and stop once all three throws have been secured. The suture must be grasped by the thread and NOT the needle when introducing it into the trainer. Points will be deducted for each drop of the suture (-1) and for each lacking knot at the end of the time limit (-2). Zero knots will result in a 0 score.



ID# _____

SurgeonBox Fundamentals Score Card:

	Date __/__/__				
Task 1					
Task 2					
Task 3					
Task 4					
Task 5					
TOTAL					