

Laparo-Robotic Skill Workshop Course Outline

What will you learn?

This course will teach you movements that enable new technical capabilities that until the advent of laparo-robotics were only partially available through [electro mechanical] robotics.

Drills will teach you skills from basic movement to suturing, using different variations and requirements in order to develop the most rounded skill set. The training is methodical so that in every case you are aware of capabilities.

How will you learn?

You will work your way through the 10 drills that together will teach you the 7 critical skills listed below. Each drill has target times that once reached will allow you to attain the next level of skill training (1, 2 and 3).

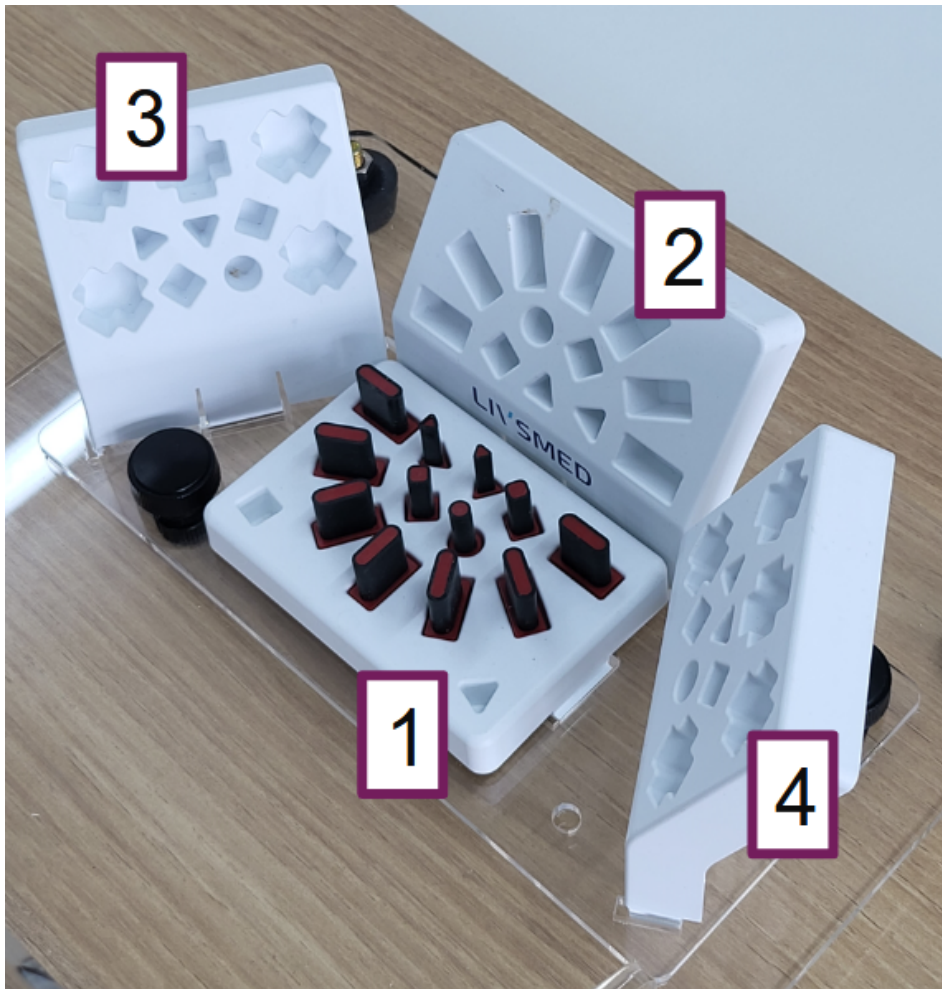
The drills are performed using the ArtiSential trainer, however we also utilize the Medi-lap trainer for more enhanced experience. Click on the button below to learn more about the drills and see video demonstrations.

The 7 Critical Skills


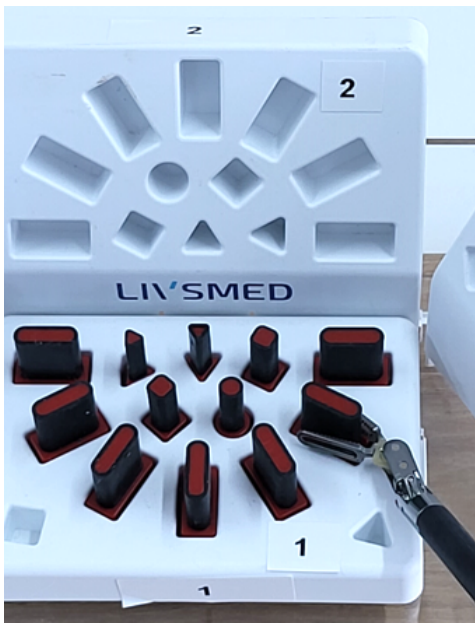
1. Holding behind obstructions
2. Fine grasping
 - a. Peg drill 1 and 2
3. Angle adjusting with compression and fine grasping
 - a. Peg drill 1 and 3
4. Gentle plane articulation compression
 - a. Peg drill 3 and 4
5. Rotational dissection
 - a. Peg drills 1, 2, 3 and 4
6. Spread dissection
 - a. Suture drill 7
7. Suturing
 - a. Suture drills 7, 8, 9 and 10

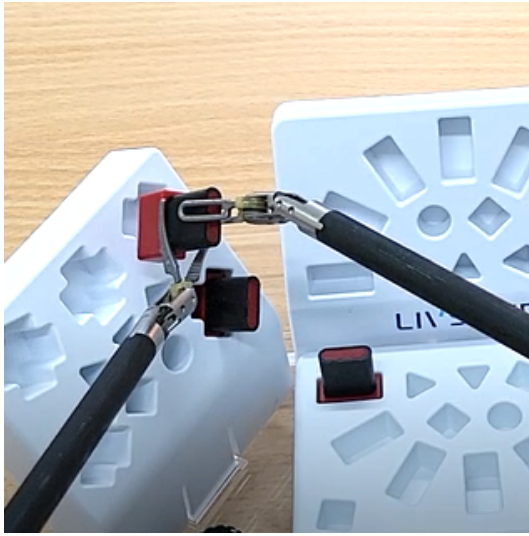
The Peg Board or “Trainer”

Boards are numbered 1-4. Drills refer to moving or rotating on or between boards, with the motions training you to learn the 7 technical clinical skills.




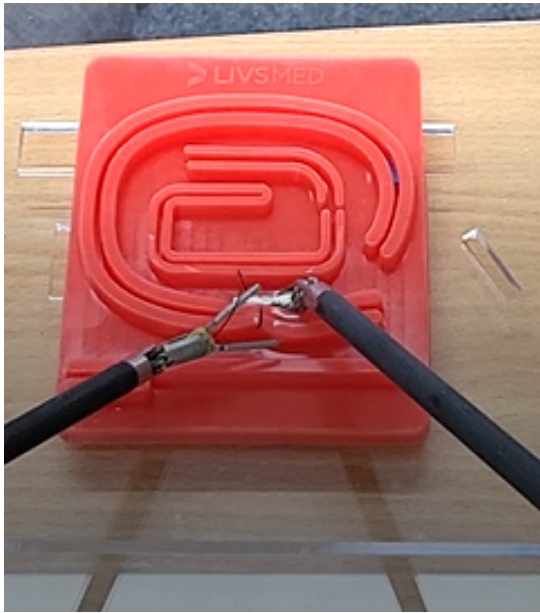

Drills - Peg Control

1	<p>Move Pegs Using Perpendicular Grasp, 1 Hand.</p> 
2	<p>Rotate Pegs Using Perpendicular Grasp, 1 Hand.</p>
3	<p>Move Pegs Using Parallel Grasp, 1 Hand.</p> 

4	Rotate Pegs Using Parallel Grasp, 1 Hand.
5	Transfer Pegs Between Hands, Dominant Hand Perpendicular to Non Dominant Parallel. 
6	Transfer Pegs Between Hands, Non Dominant Hand Perpendicular to Dominant Parallel.

Drills - Suturing

7	<p>Spread Dissect Suture Pad Using 2 hands, Dominant Hand Spreads, Non Dominant Hand Dissects.</p> 
8	<p>Suture Pad Drive and Grasp Receive Only, 8 Directions, 2 Ways, 2 Hands, Board 1 Only.</p>

	
<p>9</p>	<p>Suture Pad Drive and Grasp Receive Only, 8 Directions, 2 Ways, 2 Hands, Boards 2, 3 and 4.</p> 
<p>10</p>	<p>Running Suture and Tie Knots On All Boards, 4 Running Sutures Per Board, 4+ Sutures Per Running Suture, Knot Tie After Each Running Suture.</p>