



RediStik®

Microsurgery Trainer

A collaboration between:



and



**Texas Children's
Hospital®**

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Visit sawbones.com for more information, including set-up videos and skills overview.

I. ABOUT THE RediStik® MICROSURGERY TRAINER

RediStik® Microsurgery Trainer is a cost effective and realistic microsurgical trainer that provides surgeons with the ability to practice microanastomosis of any complexity in different environments. It can be used with an operating microscope or with loupe magnification. Adding this training tool will improve the confidence, efficiency, and complexity of your surgical comfort.

THIS TRAINER FEATURES:

- Compact, portable kit includes microvessels, removable skin, 3 muscle layers, trainer base, three stainless steel micro instruments, and a nylon carrying bag.
- Scan QR code on trainer base to access set-up and skills training videos.
- The novel white arterial microvessel tissue emulates real life microvessels when suturing for vessel repairs (sizes includes 1.5 mm and 3 mm outer diameter). Vessels can be primed to evaluate repair and flow. If you want to create realistic bleed back during the case, connecting an elevated IV bag of saline will create pressure in the vessels to allow for realistic "bleed back", so a pulsating pump is not necessary.
- Estimated 50 to >100 anastomosis on the micro vessels included in the starter kit.
- The skin and removable muscle layer composition mimics a real patient and has an adjustable wound depth providing advanced training options to further challenge the trainee. Use the replacement muscle layers (available as a muscle replacement option) to create a custom wound bed to fit your needs. Muscle layers can be cut with scissors or a scalpel. You can reuse the replacement muscle to create more challenging repairs. Muscle layers can be sutured as well.
- Two surgeons can participate in the procedure at the same time.

2. PARTS OVERVIEW

RediStik® Microsurgery Trainer Starter Kit:

- A. (1) Nylon carrying bag with branding
- B. White arterial vessels:
 - (2) 1.5 mm OD microvessel 18" length
 - (2) 3.0 mm OD microvessel 18" length**(50 to >100 vessel repairs with two sets included in the kit)**
- C. (1) Black base (reusable):
 - Includes QR code to the video playlist (instructions and skills video)
- D. (1) Skin overlay (reusable)
- E. (3) Muscle layers (reusable)
- F. Micro surgical instruments (reusable):
 - (1) Needle holder
 - (1) Pick up
 - (1) Scissors



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3. SET-UP INSTRUCTIONS / USE INSTRUCTIONS

Steps to set up trainer:

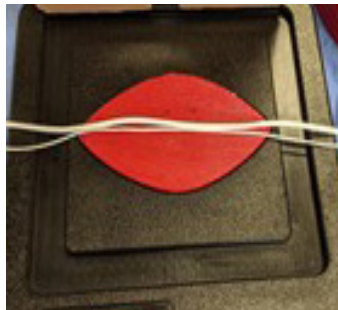
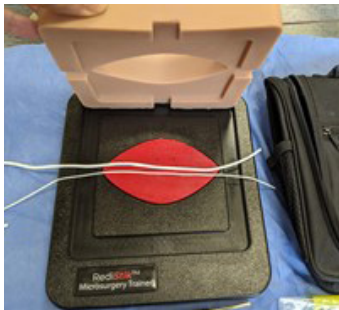
Step 1: Choose the depth you want the vessels and place muscle layers accordingly.



Three muscle layers to adjust wound depth.



Step 2: Lay microvessels over the muscle layer in the position you prefer.



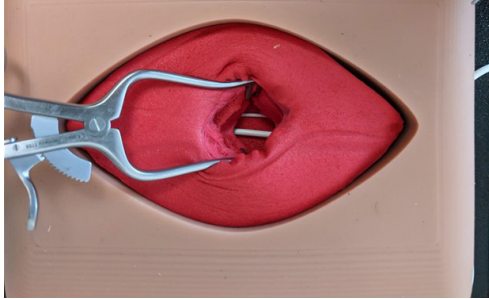
Step 3: Place removable skin over the vessels and feed the vessels through the notch located on each side. Adjust tension on the vessels by pulling the vessels and slightly lifting up on the skin. You are ready for practicing microsurgery.



Scan QR code to access set-up and skills training videos.

Optional set up steps to create smaller more difficult wound bed and check flow after anastomosis repair:

Step 1: Use the replacement muscle layers (not included in the kit) to create a custom wound bed to fit your needs. Muscle layers can be cut with scissors or a scalpel. We reuse the replacement muscle to create more challenging repairs.



Step 2: Connect blunt needles at the end of each vessel to prime and check flow after repair (blunt needles not included in the starter kit).



You can also use 24ga PIV catheter for 1.5 mm vessel and 16ga PIV catheter for 3.0 mm vessel at the end of each vessel.

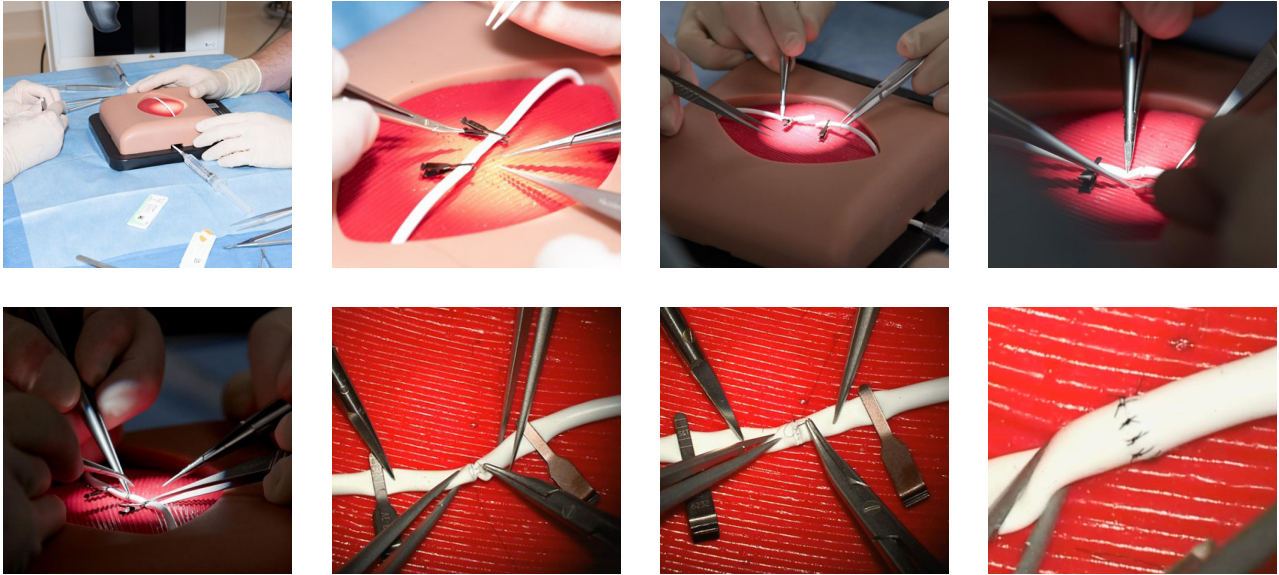


Dr. Christopher Pederson and Dr. Edward Reece, performing microsurgery on the RediStik® Microsurgery Trainer:

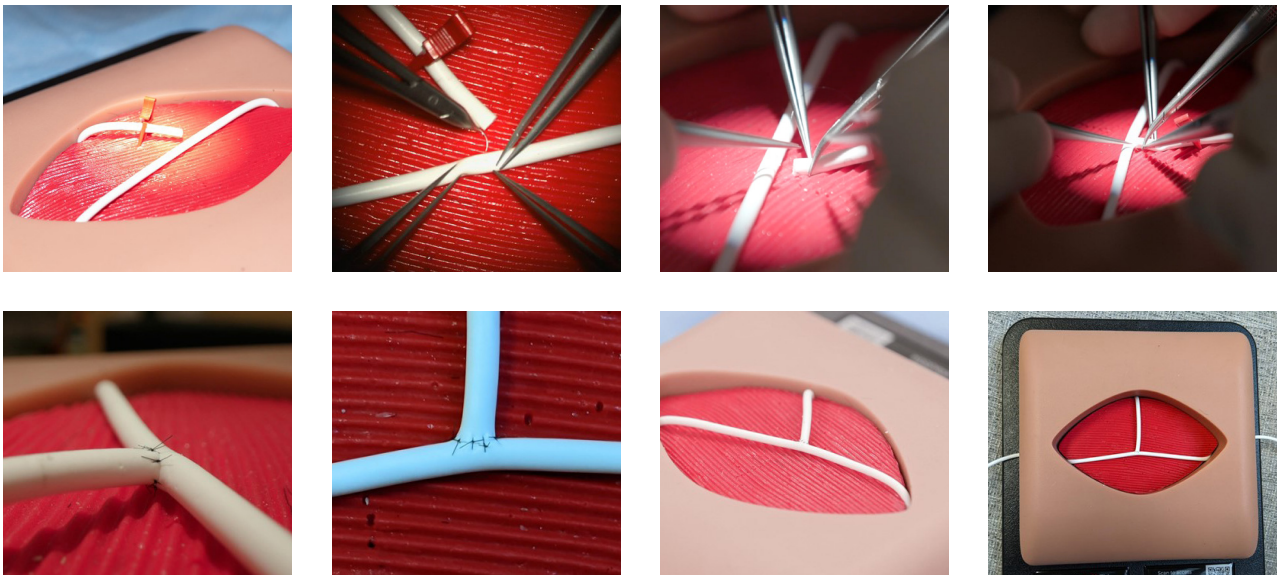


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End-to-End Anastomosis:



End-to-Side Anastomosis:



4. CLEANING

- To clean trainer components, rinse with water and pat dry before putting them back in the carrying bag.

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5. CONTACT AND REORDER

Contact: texaschildrens.org/redistik

Order/reorder: visit sawbones.com

Sawbones Customer Service USA (servicing North America, South America, Asia and Australia):

(206) 463-5551 / info@sawbones.com, 6 am – 5 pm, PT

Sawbones Customer Service EMEA (servicing Europe, Middle East and Africa):

+46 40 650 7000 / info@sawbones.se, 8 am – 5 pm, CET

- **RediStik® Microsurgery Trainer Starter Kit: Item #1703-744**



RediStik® Microsurgery Trainer Starter Kit Part #1703-744

Includes:

1x Nylon carrying bag with branding

White arterial vessels:

- 2x 1.5 mm OD microvessel 18" length
- 2x 3.0 mm OD microvessel 18" length

1x Black base (reusable):

- Includes QR code to the video playlist (instructions and skills video)

1x Skin overlay (reusable)

3x Muscle layers (reusable)

Micro surgical instruments (reusable):

- 1x Needle holder • 1x Pick up • 1x Scissors

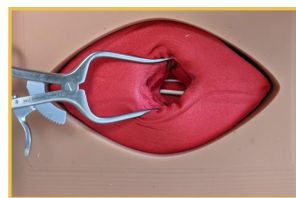


See the difference in diameter

RediStik® Microvessel Replacement Kit Part #1703-744-10

Includes:

- 1x 1.5 mm OD microvessel 18" length
- 1x 3.0 mm OD microvessel 18" length

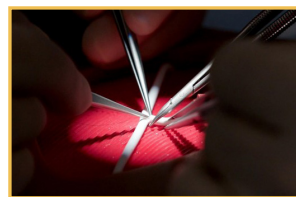


Muscle layers can be sutured

RediStik® Muscle Replacement Kit Part #1703-744-30

Includes:

Three muscle layers that can be cut to create custom wound beds according to your specifications.



Instruments in use

RediStik® Microsurgical Instrument Kit Part #1703-744-20

Includes:

Micro surgical instruments made of German steel.

- 1x Needle holder • 1x Pick up • 1x Scissors

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