

# SHARE

## Inaugural Microsurgery Workshop

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SATURDAY  
29 JANUARY 2022

### Materials and Preparation

To be reviewed in full prior to the workshop to  
allow time to prepare all materials

p. 2 .....	Schedule
p. 3 .....	Pre-Course Set Up
p. 4-6.....	Box Trainer
p. 7-8.....	Penrose Model
p. 9-10.....	Box Model



# Schedule

United States (PT)      Tanzania,  
Ethiopia      Zimbabwe, Rwanda,  
Mozambique, Malawi

WELCOME  
6:00-6:10am      5:00-5:10pm      4:00-4:10pm  
Dr. Andrea Pusic  
Dr. Amanda Gosman

INTRO TO  
MICROSURGERY  
6:10-7:00am      5:10-6:00pm      4:10-5:00pm  
Dr. Gordon Lee

HANDS ON  
Macrosurgery for  
Microsurgery Model  
7:00-8:00am      6:00-7:00pm      5:00-6:00pm

MICROBOX  
TRAINING  
8:00-8:20am      7:00-7:20pm      6:00-6:20pm  
Model to Increase  
Microsurgery Capacity

MICROSURGICAL  
TRAINING  
8:20-8:50am      7:20-7:50pm      6:20-6:50pm  
Chicken Thigh  
Dr. Bahar Bassiri  
Gharb

CLOSING  
8:50-9:00am      7:50-8:00pm      6:50-7:00pm

# Technology



Ensure you have Zoom installed on your cell phone and laptop. Test out all the features, and make sure you have the most updated version of the app installed.



Ensure your phone and laptop are charged. You will need to use both at once during the hands on teaching session.

# Materials



You may already have supplies or only need select items. You will need to have all materials **by the first day of the program** (Saturday, Jan 29th).



Additionally, you may find it beneficial to have a **phone holder mount** such as one with a long arm clip clamp or construct a “**box-trainer**”. You will need to have either the phone holder mount OR box trainer to get the most out of the experience.



Step-by-step guides are provided below. All participants should have a box trainer OR table mounted phone holder AND either a penrose model OR glove model



# Box Trainer Set Up



**Step 1:** Find a cardboard box. Place it so that the long axis is upright.



**Step 2:** Cut out a square from the center, being sure to leave ~2cm from the sides for structural support.



**Step 3:** Repeat step 2 on all four sides.

# Box Trainer Set Up Cont.



**Step 4:** Cut out a small hole from the top of the box to allow your smartphone camera to film through.

**Step 5:** Cut the bottom lip of remaining cardboard so that the bottom of the box is flush with your workspace.

**Step 6:** Tape the bottom of the box in place at your workspace to prevent it from shifting.



**Step 7:** Make sure your phone camera is centered on the suture model. You are all set!

# Box Trainer Set Up In Action

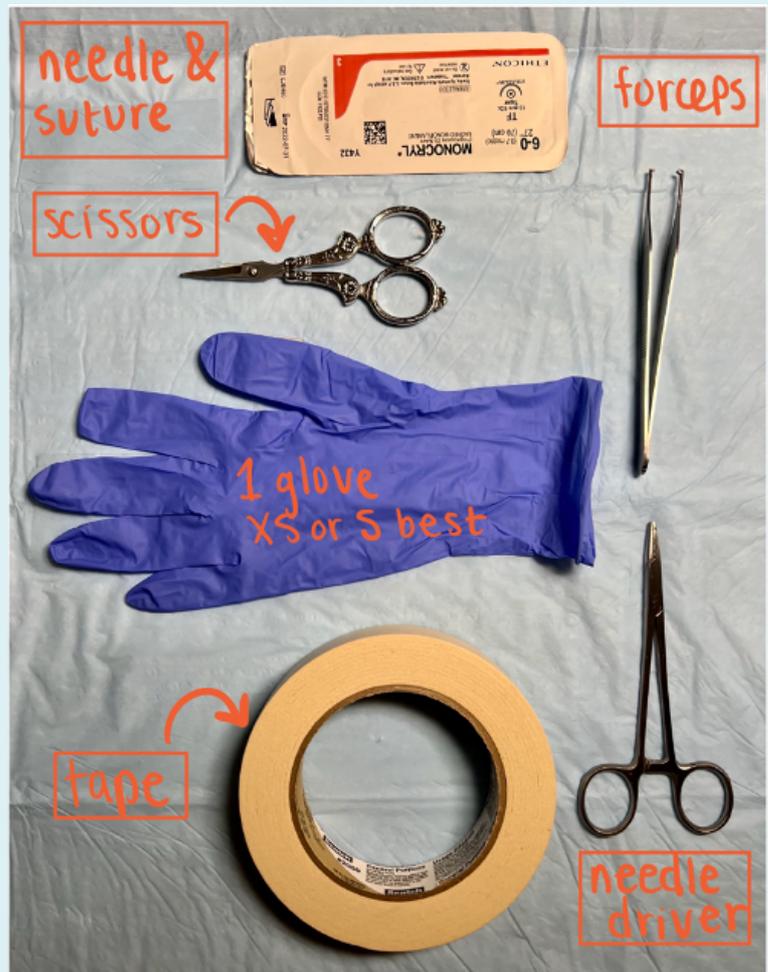


(At-home scrubs, cap, loupes are not required or encouraged, as they are ridiculous)

# Glove Model Set Up

## Step 1: Gather your supplies

- One rubber glove
- A stapler OR tape
- Needle and suture
- Needle driver
- Forceps



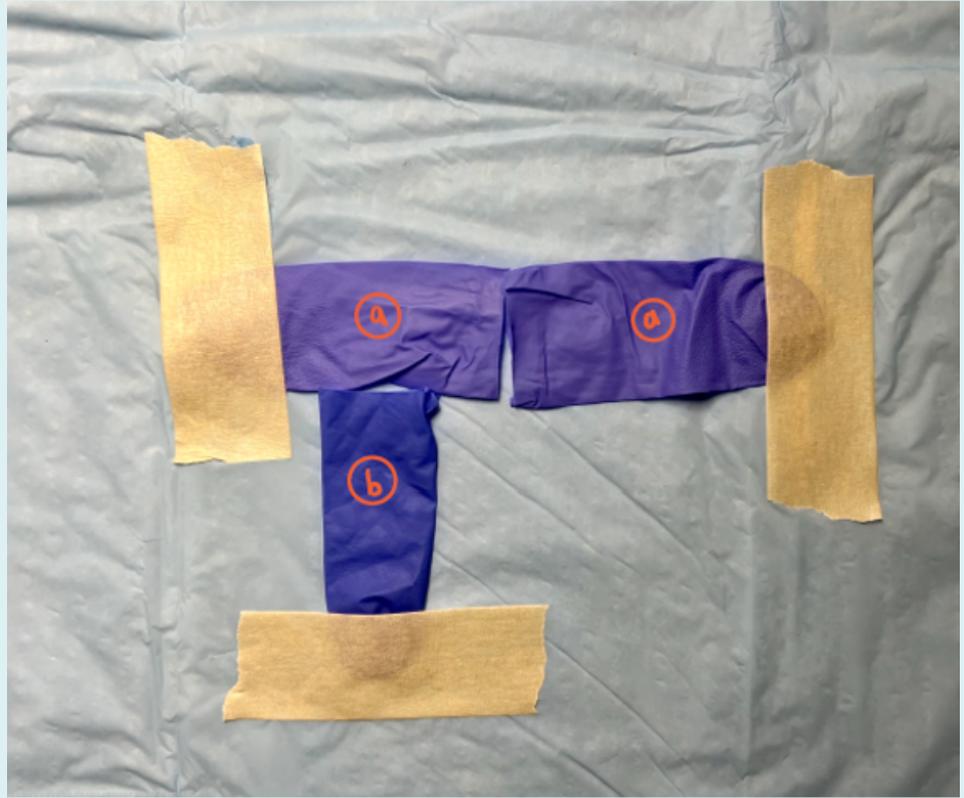
## Step 2: Prepare your “vessels”

- Cut the 2nd, 3rd, and 5th digits at the base of the finger. The 5th digit is labelled b to distinguish it.

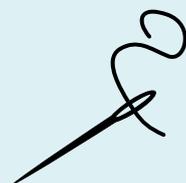
# Glove Model Set Up Cont.

## Step 3: Set up your anastomoses

- Assemble the fingers as depicted on the right, securing to your surface with tape OR a stapler.
- \*If you are using the box model, secure your setup in the box

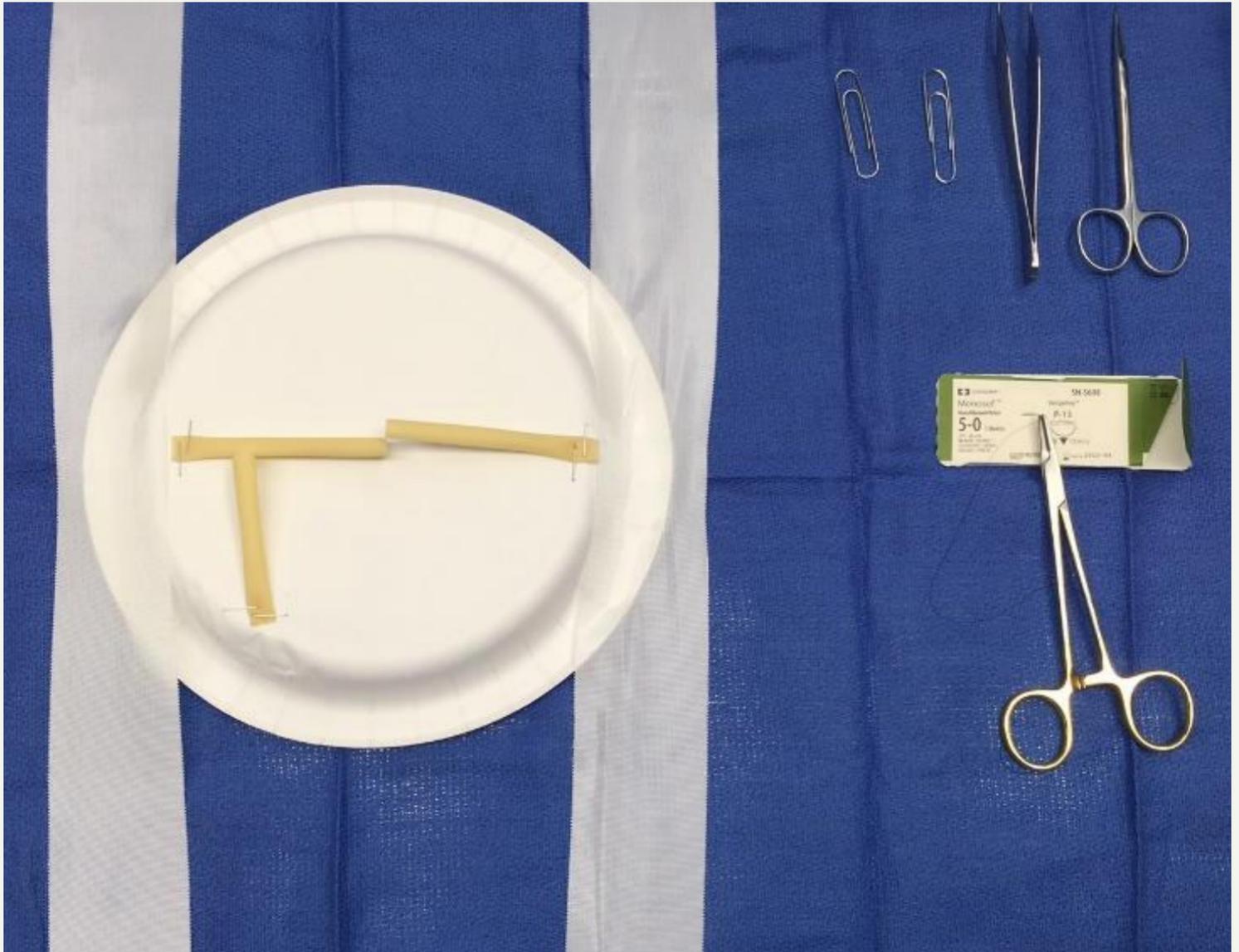


Grab your needle driver, forceps, and suture, and get ready to sew away!



# Penrose Drain Model Set Up

Set up the “Macrosurgical model for microsurgical education” by stapling a cut 1/4inch penrose drain as shown below and tape it to your work surface



# Penrose Drain Model Set Up Cont.

The paper clips will act like a double opposing Acland clamp to allow to rotate the construct between the 'front' and 'back' wall as shown below



Insert your model in your box trainer if you are using one or grab your phone holder. Grab your needle driver, forceps, and suture, and get ready to sew away!