

# Low Cost Alternative for Abscess I&D



SIMULATION:  
BRINGING LEARNING TO LIFE

#IMSH2021

# WELCOME



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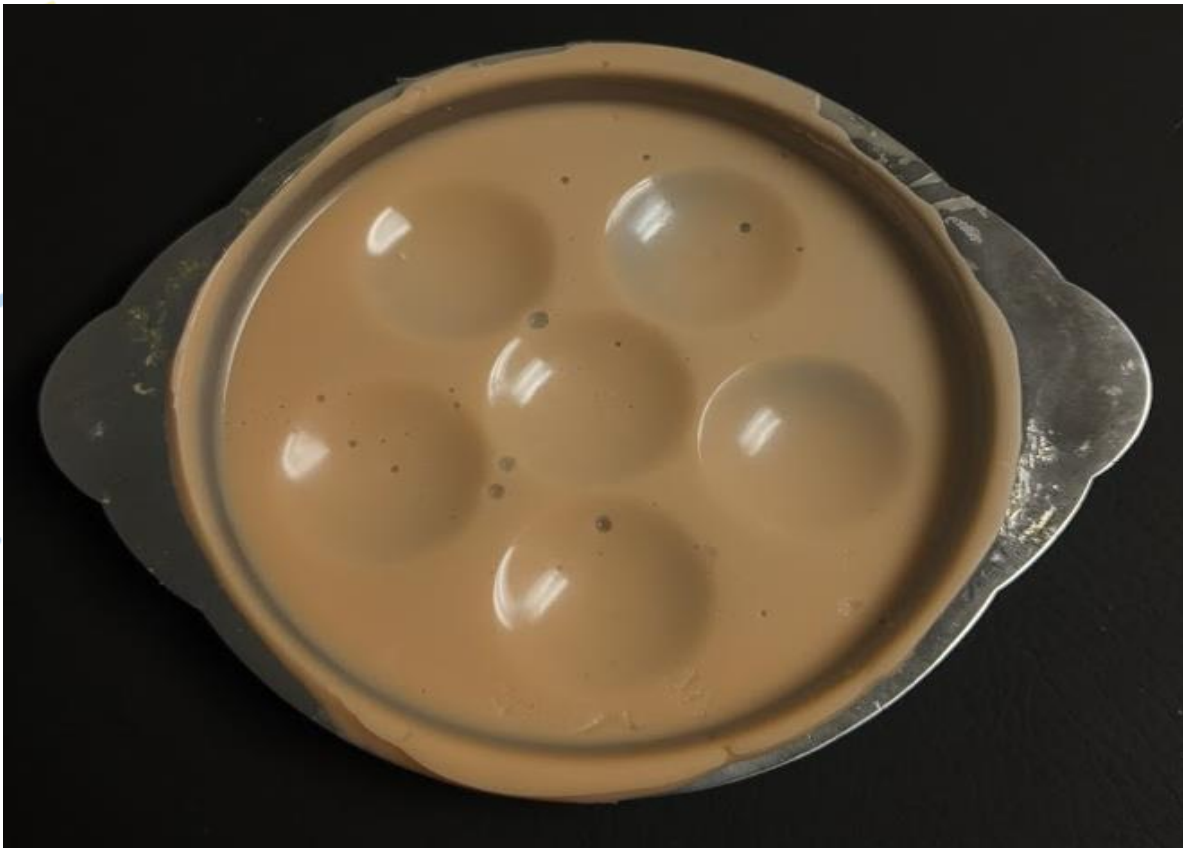
# Disclosures

❖ I have no disclosures or conflicts of interest to report.

# “Necessity is the Mother of Invention” – English Proverb

- ❖ Rising cost of individual commercial abscess trainers - \$75 per abscess, currently, all single use.
- ❖ 80 Physician Assistant Students & 40 FNP students per year requiring training
- ❖ 3 Abscesses per PA, 1 per FNP Student = ~300 per year = \$22,500 in abscesses alone
- ❖ Familiar with silicone from making suturing skin onsite, adapted process to make abscess pads

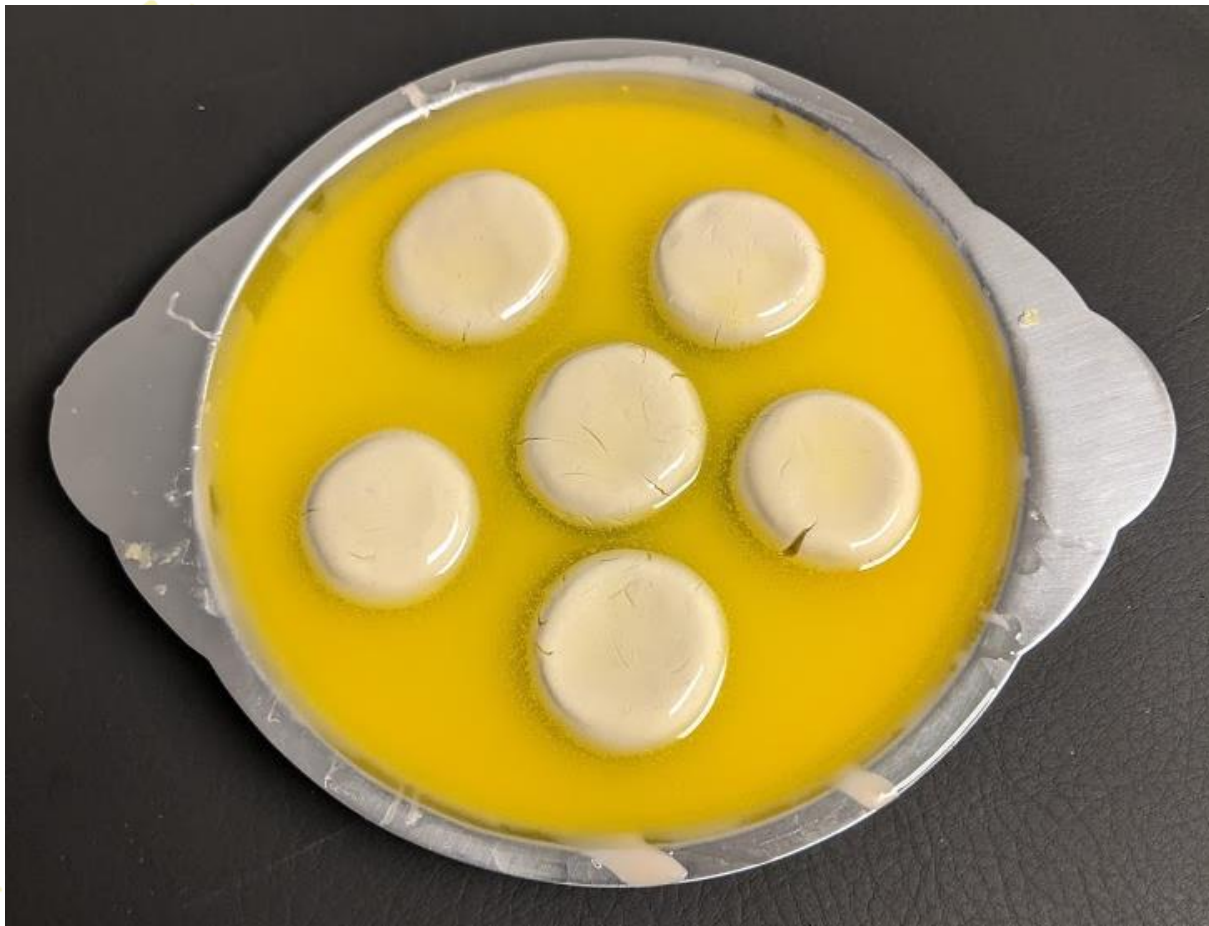
- ❖ Needed to be able to:
  - Have pus expressed after incision
  - Be packed with packing strips
  - Have some be able to be sutured
  - Be cost effective
- ❖ The solution
  - Escargot trays with 6 wells each
  - 6 abscesses per pad
  - Cost per pad: **\$9.00**
  - Cost per abscess: **\$1.50**
  - **98% Savings!!**



1. Pour the first layer using Dragonskin® to minimize the time spent pulling product out of the wells in the escargot tray.
2. For abscesses that will be sutured, use Power Mesh for added strength for the suture to pull on.







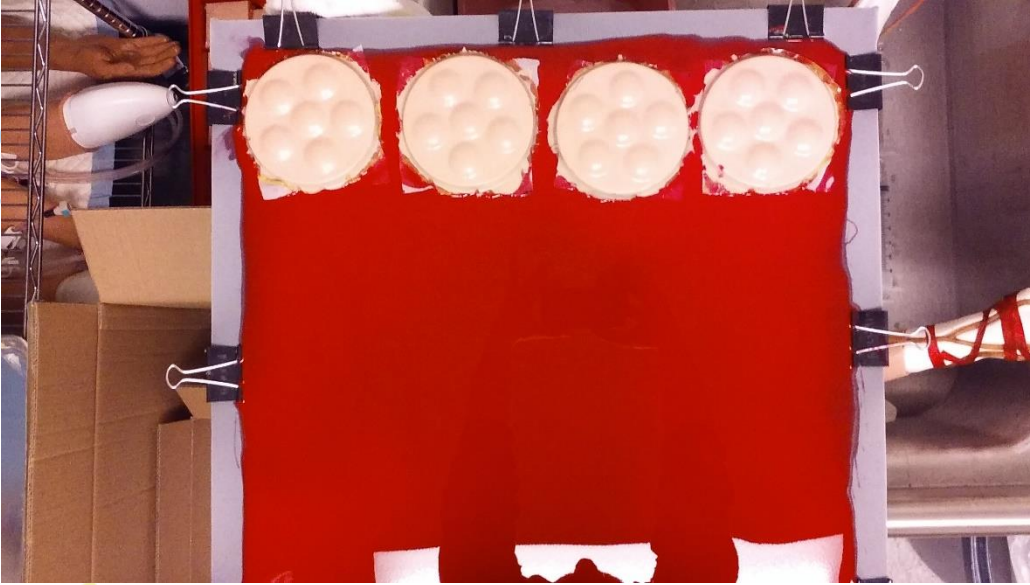
3. Clay space holders are placed in each well and EcoFlex Gel is poured to essentially fill the rest of the tray. Gel will allow for injection of “anesthetic.”
4. Once cured about an hour later, it will remain tacky. Remove the clay space holders and save for future pads.

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5. On a sheet tray or other flat surface, stretch power mesh and pour red rubber on top to cover the sheet. The Power Mesh adds durability to the bottom to prevent bubbling when filling later. While the rubber is wet, add as many pads as possible to minimize waste. Allow to cure.







6. Once cured, cut the pads apart and trim away the excess rubber and power mesh.
7. Fill with mix of mayonnaise and yellow mustard or other food grade materials. Fill it ahead of time, and it will give a scent reminiscent of an actual abscess.

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# QUESTIONS?

Questions or comments are welcomed and can be directed to:

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