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Serous Membranes

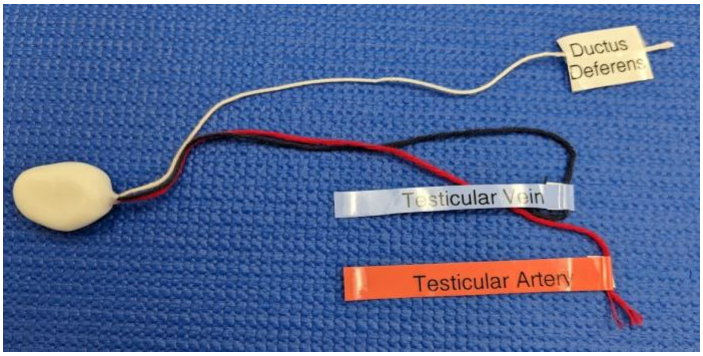
Context – Serous membranes envelop each testicle, epididymis, ductus deferens and associated vasculature. The concept that they are enveloped by, but not contained within, these serous membranes is difficult to envision. You will use Press'n Seal®, a simulated testicle/epididymis, ductus deferens and testicular vascular supply to recreate the envelopment of these organs and vasculature by serous membranes. This activity should help you visualize and describe this process.

Learning Outcomes – By the end of this learning activity you should be able to:

- ☐ Describe the envelopment of the testicle, epididymis, ductus deferens and associated vasculature by the serous membranes.
- ☐ Explain the layers from superficial to deep that you would incise through when performing an open castration.

Instructions

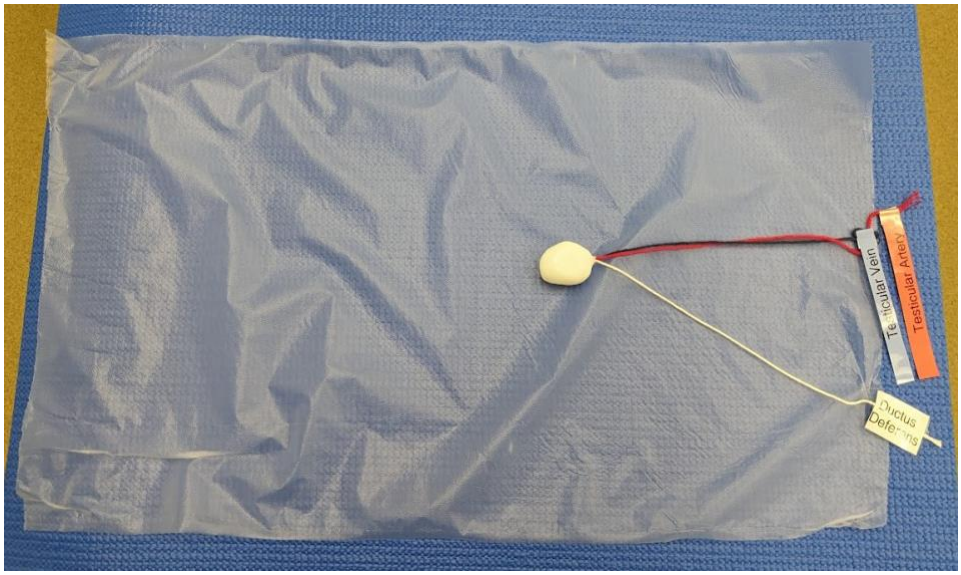
1. Identify the following structures on the model (see partially labeled model on right).
   - ☐ Ductus deferens
   - ☐ Testicular artery
   - ☐ Testicular vein
   - ☐ Testicle & epididymis



2. Tear off a piece of Press'n Seal® twice as long as the length of the model.

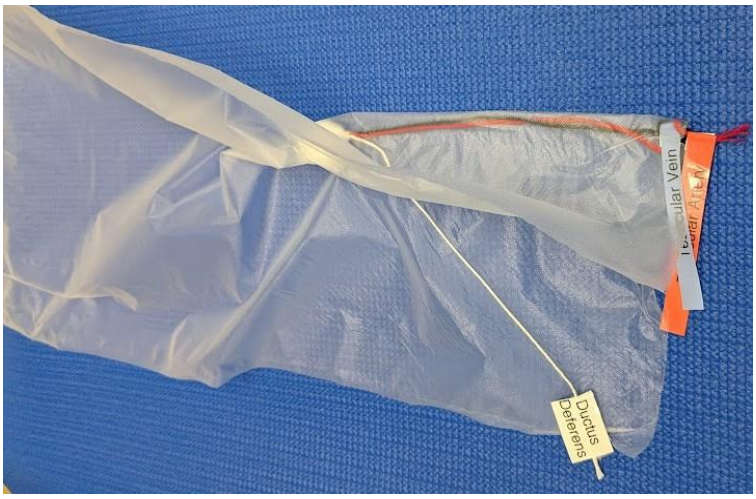
3. Set the Press'n Seal® sticky side up on your table.

4. Place the testicle, ductus deferens and vasculature on the piece of Press'n Seal®



with the vasculature separate from the ductus as shown in the image (right).

5. Fold the Press'n Seal® over the testicular vasculature to create the mesorchium (right).



6. Fold the Press'n Seal® up over the ductus deferens to create the visceral layer that covers the ductus deferens (right).

7. Rotate the model so that the sticky side of the free end of Press'n Seal® is down.

8. Fold the Press'n Seal® back over the model (below).

9. Once the Press'n Seal® is fully folded over, press the seam of the long edge over and imagine it sticking along that edge.

10. Use the completed model (right) to identify the following structures:
    - ☐ Parietal vaginal tunic
    - ☐ Visceral vaginal tunic

11. Complete the learning objectives.