

The ExEm® Foam Kit enables easy and highly effective recognition of tubal patency when performing the HyCoSy procedure: Hysterosalpingo Contrast Sonography. The ExEm® Foam Kit has been specifically developed for creating a foam and is approved for this purpose. After infusing the foam through the uterine cavity into the fallopian tubes, practical ultrasound images can be obtained to check the patency of the fallopian tubes in infertility patients.

Benefits

- Clinic based solution
- A bright visualization of contour of fallopian tubes and uterine cavity contour
- Used in combination with ultrasound imaging
- Less need for radiology
- Simple to use
- Potentially reduced discomfort for the patient
- Greater control over contrast administration
- Superior images
- Excellent tubal transit
- Value for money

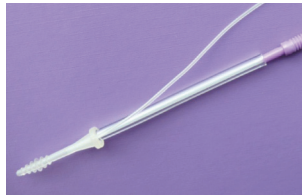
ExEm® Foam Kit:

- Syringe with 10 ml ExEm® gel
- Syringe with 10 ml Purified water
- Syringe 20 ml empty
- Coupling device &
- Catheter



Necessities

- ExEm® Foam Kit
- Side-opening speculum
- Transvaginal ultrasound equipment

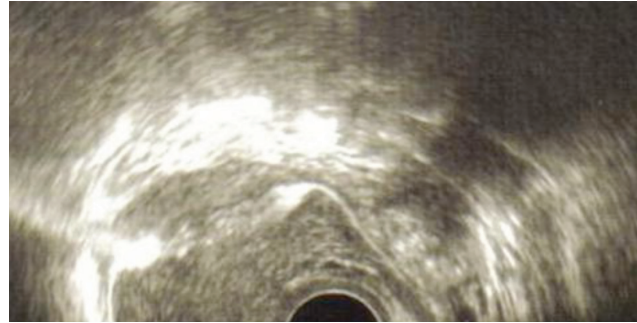


Picture A



Essentials

- Be sure that the ExEm® Gel and purified water are mixed extensively as in **Picture A** so that a milky white foam is created.
- Do not use the foam in combination with any catheter smaller than 7 french.
- If the ExEm® Foam is not used within 5 minutes of preparation and the foam begins to lose its air bubbles, the solution may be remixed.
- After foam infusion the fallopian tubes will be visible on the ultrasound for a relatively short period of time.



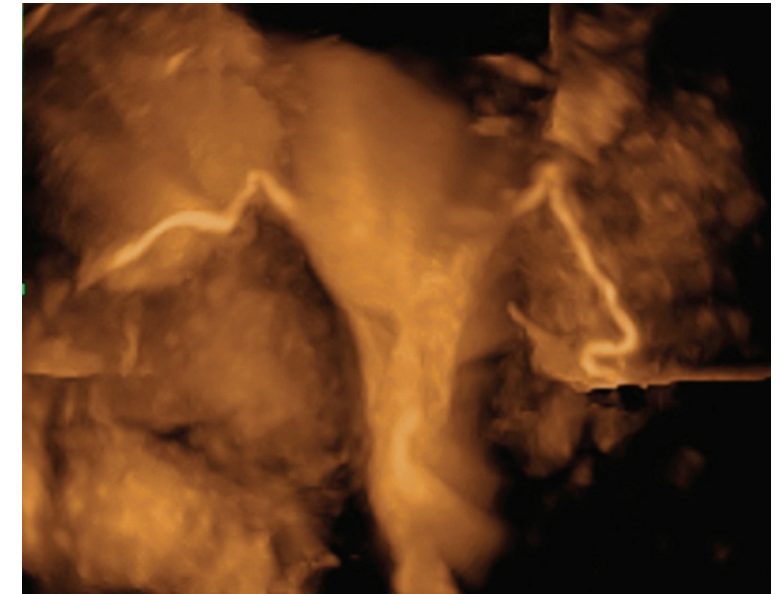
Tubal Patency Test by The ExEm® Foam Kit for HyCoSy

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Assessment of fallopian tube patency is an important part of routine infertility assessment since tubal obstruction is estimated to play a role in 12% to 33% of infertile couples.

A simple and less expensive alternative is presented by mixing air with ExEm® gel and purified water creating a highly echogenic foam. This foam can be infused through a specially developed catheter with cervical adapter.

Procedure

1. Connect the empty 20 ml syringe and the coupling device.

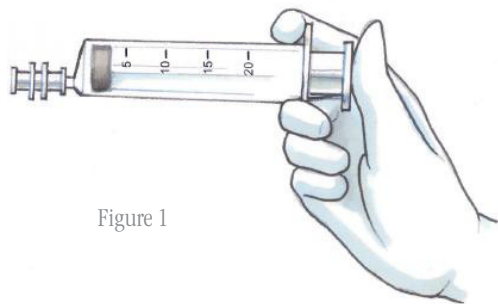


Figure 1

2. Connect the 10 ml syringe with purified water to the coupling device and the 20 ml syringe.
3. Inject the complete contents of purified water into the 20 ml syringe.

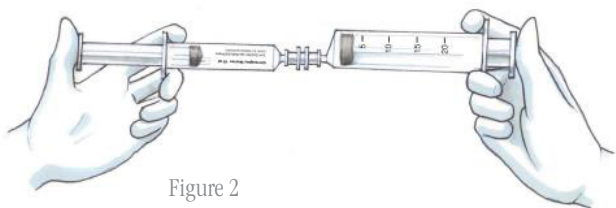


Figure 2

4. Disconnect the empty 10 ml syringe and leave the coupling device on the 20 ml syringe. The 20 ml syringe is now partly filled with purified water.
5. Connect the 10 ml syringe with ExEm[®] Gel to the coupling device which is left on the 20 ml syringe.
6. Mix the ExEm[®] Gel with the purified water by injecting the fluids (Fig. 3.) from one syringe through the coupling device into the other syringe (at least 10 times). This creates a milky white foam (Picture A) which is sufficiently stable to show echogeniety for at least 5 minutes and is sufficiently fluid to pass through patent tubes.

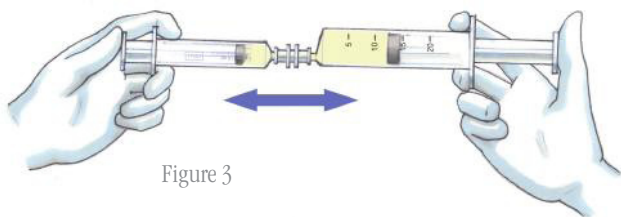


Figure 3

7. Leave the foam in the 20 ml syringe and disconnect the ExEm[®] Gel syringe and coupling device.
8. Connect syringe containing the ExEm Foam to the catheter.
9. Introduce side-opening speculum.

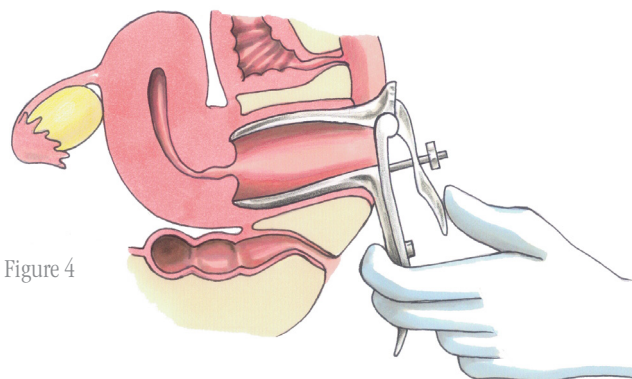


Figure 4

10. Introduce the catheter into the cervix.

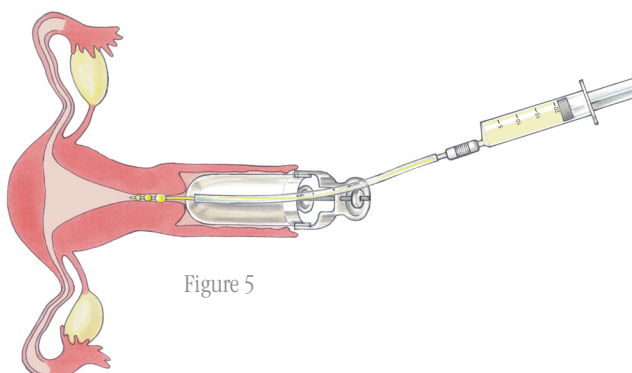


Figure 5

11. Remove speculum.

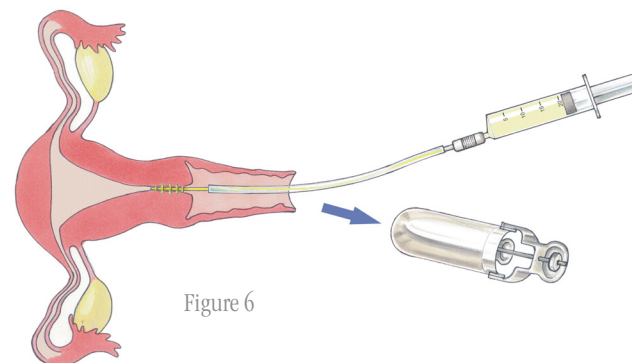


Figure 6

12. Position the ultrasound transducer and infuse the foam.

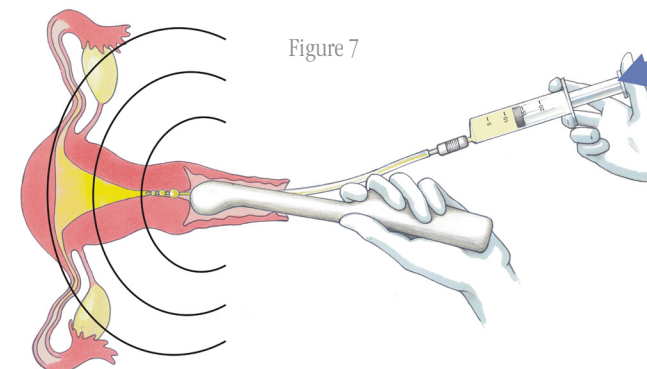


Figure 7

13. Follow the contrast until the tubal passage is visible.

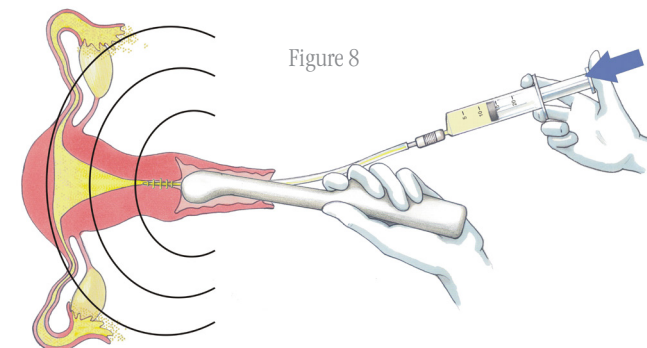


Figure 8

HyCoSy

During HyCoSy the fallopian tubes will be reflected on the ultrasound. The tubes will be visible for a short period of time. If not, the passage of one or both of the fallopian tubes might be disturbed.

Removal

When the procedure is finished first remove the ultrasound transducer and then the catheter. The foam that flows into the abdominal cavity and the other remaining foam will be reabsorbed by the human body within 24 hours.