

**Sperm in the FRT**

1. What happens after ejaculation? (What steps does sperm take to fertilize the oocyte?)
  
  
  
  
  
  
  
  
  
  
2. What is the difference between Sialomucin and Sulfomucin?
  
  
  
  
  
  
  
  
  
  
3. What are the two types of sperm transport?
  
  
  
  
  
  
  
  
  
  
4. Which species deposit semen in the cranial vagina and which deposit into the uterus?
  
  
  
  
  
  
  
  
  
  
5. What makes up fractionated ejaculate in the horse and pig?
  
  
  
  
  
  
  
  
  
  
6. How do sperm travel in the FRT?
  
  
  
  
  
  
  
  
  
  
7. What are the metabolic characteristics of sperm?

8. Define the following:  
Capacitation:

Acrosome Reaction:

9. Which of the following above comes first?
10. What are the steps of acrosome reaction?
11. Where does the acrosome reaction occur?
12. How is sperm lost in the FRT?
13. How does sperm initially attach to an oocyte?
14. What is Polyspermy?
15. What blocks Polyspermy from occurring?
16. How long can sperm remain viable in the FRT in the following species?