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**MATRIC NUMBER: 18/MHS02/070**

**ASSIGNMENT; DISCUSS THE FACTORS FACILITATING THE MOVEMENT O F SPERM IN THE FEMALE REPRODUCTIVE TRACT.**

**FACTORS FACILITATING THE MOVEMENT OF SPERM IN THE FEMALE REPRODUCTIVE TRACT.**

**In Semen**

 - Akaline secretions of the postrste glands into the semen - helps to provide a akaline environment in the acidic vagina to protect sperm in the vagina.

-Postagladine Present ( female reproductive tract) - facilitate miomutual contraction to help the movement of sperm towards the oviduct.

**In Female Reproductive Tract**

-Estrogen - facilitates the production of a watery mucus in the cervix during the timing of ovulation to allow easy passage of sperm.

- Oxcitocin and estrogen – helps to assist miomutual contraction in order to facilitate the upward motility of sperm towards the oviduct.

 **Capacitation of Sperm;**

Capacitation occurs after the sperm membrane becomes more fluid ensuring the removal of cholesterol and glycoproteins from the membrane in other to expose the zonal pellucida binding site.

There is a change in the sperm membrane potential in order to permit calcium into the sperm to facilitate permeable release for aposomal reaction.

During capacitation of sperm, there is phosphorylation of numerous protein needed in fertilization.