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FACTORS FACILITATING SPERM TRANSPORT IN THE FEMALE REPRODUCTIVE TRACT

* Alkaline secretions from prostrate gland into the semen helps to create an alkaline environment in the acidic vagina to protect the sperm in the vagina
* Oestrogen and oxytocin secreted in the female help to assist myometrial contractions in other to facilitate the upward mobility of sperm towards the oviduct
* Prostaglandins present in the semen and the female reproductive tracts facilitates myometrial contractions to help the movement of sperm towards the oviduct
* Oestrogen facilitates the production of a watery mucus in the cervix during the timing of ovulation to allow easy passage of sperm
* In the female reproductive tract sperm undergoes capacitation , this occurs after the sperm becomes more fluid ensuing the removal of cholesterol and glycoproteins from membranes in other to expose the zona pellucida binding site
* There is a change in the sperm membrane potential that permits Ca2(calcium) to enter the sperm to facilitate vesicle release for acrosomal reactions
* Also during capacitation of sperm there is phosphorylation of numerous protein needed in fertilization