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FactorsFacilitatingSperm TransportIm TheFemaleReproductiveTract

 Alkalinesecretionsfromprostrateglandintothesemenhelpstocreateanalkaline environmentintheacidicvaginatoprotectthesperm inthevagina.

 Prostaglandinspresentinthesemenandthefemalereproductivetractfacilitates myometrialcontractionstohelpthemovementofsperm towardstheoviduct.

 Oestrogenandoxytocinsecretedinthefemalehelptoassistmyometrialcontractionsin othertofacilitatetheupwardmobilityofsperm towardstheoviduct

 Oestrogenfacilitatestheproductionofawaterymucusinthecervixduringthetimingof ovulationtoaloweasypassageofsperm.

 Inthefemalereproductivetract,spermundergoescapacitation,thisoccursafterthe sperm becomesmorefluidensuingtheremovalofcholesterolandglycoproteinsfrom themembraneinothertoexposethezonapelucidabindingsites

 ThereisachangeinthespermmembranepotentialthatpermitsCa2(calcium)toenter thesperm tofacilitatevessiclereleaseforacrosomalreactions.

 Alsoduringcapacitationofspermthereisphosphorylationofnumerousproteinneeded infertilization