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TOPIC: IMPLANTATION

During fertilization, the sperm and egg unite in one of the Fallopian tubes to form a zygote. Then the zygote travels down the Fallopian tube, where it becomes a morula. Once it reaches the uterus, the morula becomes a blastocyst. The blastocyst then burrows into the uterine wall— a process called implantation.

Implantation is when a fertilized egg, or blastocyst, has attached to the lining of the uterine wall. It marks the beginning of pregnancy. A woman is not considered to be pregnant until implantation has occurred. So, medically speaking, successful implantation equals the start of a pregnancy .

Process

① After sex, the sperm will travel through the vagina, in past the cervix and up to the Fallopian tubes . This is where the sperm will most likely join with an available egg.

② . The next step is conception. This is when the sperm joins the egg and fertilization takes place.

③ About 7-14 days after you have had sex, implantation will occur, the fertilized egg will attach itself to the lining of your uterus. About one-third of women will have some bleeding when implantation takes place.

Once the egg is fertilized, it now has to travel all the way up into the uterus for implantation to take place. As the blastocyst makes this journey, it will continue to grow in size. At the same time, its cells will continue to divide and reproduce. The implantation of a fertilized egg is estimated to take place about 9 days after ovulation. So, once conception has taken place, the blastocyst has to travel up into the uterus, and then implantation takes place once the blastocyst has found the spot in the uterine wall that it wants to attach to.

hCG Production

Implantation is the first trigger for the body to start producing the hCG, (also known as the pregnancy hormone). Pregnancy tests (both home tests and blood pregnancy tests) the presence of hCG to confirms a pregnancy. Implantation must occur for this hormone to be produced.

If implantation has not taken place, a pregnancy test cannot detect hCG and will give you a negative result. So, implantation has to occur before a pregnancy can be recognized with a pregnancy test.