Nebo kenechukwu favour 18/mhs02/117 Nursing science 200lvl Physiology Topic: IMPLANTATION OF HUMAN PREGNANCY

In human, implantation is the stage of pregnancy at which the embryo adhere to the wall of uterus . At this stage of parental development, the conceptus is called a blastocyst.it is by this adhesion that the embryo receives oxygen and nutrients from the mother to be able to grow .

In human, implantation of fertilize ovum is most likey to occur around nine days after ovulation. However this can range between 6-12days .

IMPLANTATION WINDOW

The reception ready face of the endronetrium of the uterus is usually termed the implantation window and last about 4days. The implantation window occurs around 6days after the peak in luteinizing hormone levels. With some disparity between sources, it has been stated to occur from 7days after ovulation until 9days after ovulation, on average, it occurs during 20th to the 23rd day after the last menstrual period.

The implantation window is characterized by changes of endronetrium cells, which aid in the absorption of the uterine fluid, this changes are collectively known as the plasma membrane transformation and the bring blastocyst nearer to the endronetrium and immobilized it. During this stage the blastocyst can still be eliminated by being flushed out of the uterus. Scientist have hypothesized that hormones cause a swallowing that fills the flattening out the uterine cavity just prior to this stage which may also help press the blastocyst against the endometrium of uterus, both structurally and composition of it's secretions.