

LH: stimulates release of an egg at day 14 of the cycle. Indirectly stimulates the production of progesterone.

Progesterone: Maintains lining of uterus. When the level of progesterone falls, the lining breaks down. It inhibits the production of LH.

Growth

For good growth, you need a good and stable diet consisting of lots of proteins and carbohydrates for energy. The better quality protein you consume, the more you grow.

Exercise is also another factor apart from diet that affects growth. When you exercise, you stimulate the growth of muscles and bones, so the more you exercise, the more you grow.

To check that a baby is growing properly, the baby's head circumference is measured as well as its body length and mass. This data is then plotted on an average growth chart and compared to a range of average values which can alert midwives to any growth issues. This usually takes place for the first 6 months.

If someone has a growth issue and cannot grow as well as other people, they tend to be smaller, and so they can be given a human growth hormone to stimulate the growth of muscles, tissue and bone so that they grow taller. People with growth abnormalities often have an imbalance in the human growth hormone produced in their bodies.

Organ transplants:

Advantages	Disadvantages
Can save lives	People die whilst waiting for a transplant
If it is successful, they generally last longer than mechanical replacements.	Long process
	Not always enough donors
	Organ cells could die on the journey
	Rejection
	infection

One of the problems with organ transplants is that their white blood cells may produce antibodies which attack the donated organ. The chance of this happening is reduced by giving the organ recipient immune-suppressant drugs which need to be taken for the rest of their life. This is a disadvantage because they become more susceptible to diseases and infections.

Factors affecting who gets the organ

- Age: a younger person may be more likely to get an organ compared to someone who is old because firstly they are more likely to survive the operation, and secondly, they have longer to live anyway, so there would be more to lose through not giving them the organ.
- Lifestyle: the way a person lives is important. If they need an organ as a result of drug or alcohol abuse etc. they are likely to damage the new organ and have other multiple health