

16.6 Methods of birth control in humans

01. 0610_m21_qp_22 Q: 31

Which method of birth control works by preventing an egg from being released?

- A condom
 - B contraceptive pill
 - C monitoring body temperature
 - D vasectomy
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02. 0610_s21_qp_22 Q: 31

Modern agricultural methods often use artificial insemination (AI) to breed dairy cattle.

Which statement describes the process of artificial insemination?

- A Sperm is collected from a bull and frozen. The sperm is later inserted into the vagina of a cow.
 - B Eggs are removed from a cow and fertilised using sperm from a bull. The fertilised eggs are reinserted into the uterus of the cow.
 - C Male and female cows with desired characteristics are chosen to mate.
 - D Embryos are removed from the uterus of the cow. The embryos are frozen and stored for future use.
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03. 0610_s20_qp_22 Q: 28

In a comparison between the processes of artificial insemination (AI) and in vitro fertilisation (IVF), which statement applies to IVF only?

- A Human egg cells are harvested from the ovary.
 - B Donated sperm cells are used to fertilise the egg cells.
 - C Childless couples are given the opportunity to have a child of their own.
 - D Fertilisation occurs inside the body of the female.
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04. 0610_w20_qp_22 Q: 28

Which hormone is used in contraceptive pills?

- A insulin
 - B LH
 - C FSH
 - D progesterone
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16.6. METHODS OF BIRTH CONTROL IN HUMANS

05. 0610_w20_qp_23 Q: 29

Which statement explains why the hormone FSH is used in fertility treatment?

- A It causes the formation of a zygote during *in vitro* fertilisation (IVF).
 - B It stimulates ovulation for artificial insemination (AI).
 - C It stimulates the production of large numbers of eggs for use in *in vitro* fertilisation (IVF).
 - D It is used to maintain the uterus wall ready for artificial insemination (AI).
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06. 0610_s18_qp_23 Q: 28

The table shows some features of artificial insemination and in-vitro fertilisation.

Which row shows the features that are correct for **both** artificial insemination and in-vitro fertilisation?

	fertilisation happens outside the female reproductive system	implantation happens outside the female reproductive system	involves sexual intercourse	pregnancy develops naturally after implantation
A	✓	✓	X	X
B	✓	X	X	✓
C	X	X	✓	X
D	X	X	X	✓

07. 0610_w18_qp_22 Q: 29

What is a possible disadvantage of in vitro fertilisation (IVF)?

- A Donated eggs and sperm can be used.
 - B Embryos can be screened for genetic disorders.
 - C It requires more medical resources.
 - D Unused embryos can be stored.
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08. 0610_m17_qp_22 Q: 28

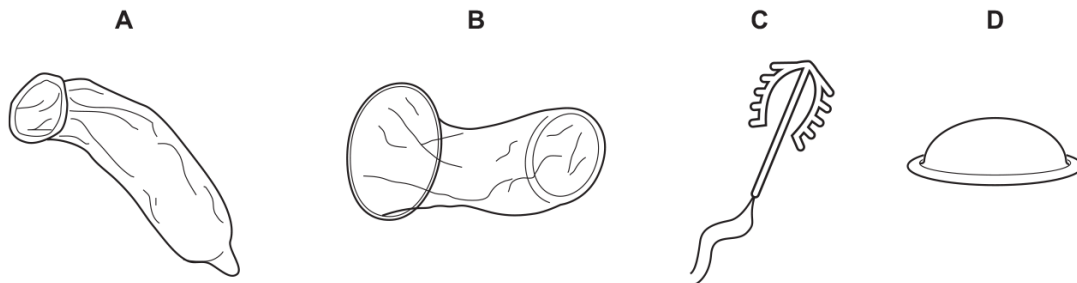
Which hormone is given to women undergoing fertility treatment?

- A adrenaline
 - B FSH
 - C insulin
 - D oestrogen
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09. 0610_s17_qp_21 Q: 30

The diagram shows four types of birth control device.

Which is **not** a barrier method of contraception?



10. 0610_s17_qp_23 Q: 30

Some men do not produce healthy sperm cells. A couple may choose to use the sperm of another man, a donor, in order for the woman to get pregnant.

Which procedure involves inserting sperm into the vagina of a woman from a donor?

- A artificial insemination (AI)
- B birth control
- C *in vitro* fertilisation (IVF)
- D vasectomy

SN	Paper	Q. No.	Answer
01	0610_m21_qp_22	31	B
02	0610_s21_qp_22	31	A
03	0610_s20_qp_22	28	A
04	0610_w20_qp_22	28	D
05	0610_w20_qp_23	29	C
06	0610_s18_qp_23	28	D
07	0610_w18_qp_22	29	C
08	0610_m17_qp_22	28	B
09	0610_s17_qp_21	30	C
10	0610_s17_qp_23	30	A



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