Class : 12th Biology
Chapter- 4 : Reproductive Health

Reproductive Health

Amniocentesis

- Negative application: - Increased female foeticides. - Misused to detect the sex of the child before birth and female fetus is then aborted.
- Positive application: It helps to detect any congenital disease or any metabolic disorder in foetus.

STDs

- Examples: - Hepatitis B - Genital herpes - HIV, Gonorrhoea, Syphilis etc.
- Definition: Diseases transmitted through sexual intercourse

MTP

- Importance: - To avoid unwanted pregnancies - In cases where continuation of pregnancy is harmful to the mother or foetus or both
- Problems: They are performed illegally and causes misuse of amniocentes is.

Defination

According to WHO, reproductive health means a total well-being in all aspects of reproduction

Birth control Methods

- Surgical
  - Vasectomy (in Males)
  - Tubectomy (in Females)
- Intra-Uterine Devices (IUDs)
  - Non-medicated IUDs (e.g. Lippes loop)
  - Copper releasing IUDs (e.g. CuT, Cu7, Multiload 375)
  - Hormone releasing IUDs (e.g. Progestasert, LNG-20
- Oral contraceptives contraception pills
  - Contains progesterone and estrogen
  - It prevents implantation of blastula
- Barrier
  - Use of Condoms
  - Diaphragm, Cervical caps and vaults
  - Spermicidal creams, jellies and foams.
- Coitus interruptus
  - Withdrawal of penis before ejaculation
  - Not very reliable
- Periodic Abstinence
  - Avoiding coitus from days 10-17 of menstural cycle.
  - Chances of fertilisation is very high.
- Lactational amenorrhea
  - Intercourse is avoided at the ovulation period
  - Cannot be exactly predicted

Assisted Reproductive Technologies (ART)

- ZIFT
  - (Zygote Intra Fallopian Transfer)
- ICSI
  - (Intra Cytoplasmic Sperm Injection)
- IUT
  - (Intra Uterine Transfer)
- GIFT
  - (Gamete Intra Fallopian Transfer)
- AI
  - Used by female only
  - (Artificial Insemination)

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