

REPRODUCTIVE HEALTH

According to WHO reproductive health means total well-being. in all aspects of reproduction i.e. physical, emotional, social and behavioral.

Reproductive P4ealth; Problem, and Strategies

- To attain total peonaductive health as social goal, action plans and orograms at a national level are initiated at national level. These programs are called family planning initiated in 1951_
- Proper information about reproductive organs, adolescence and related changes, safe and hygienic sena' practice, STD and AIDS- would help people to lead a reproductively healthy life.
- Amniocentesis is a foetal sex determination test Posed on chromosomal pattern In amniotic fluid is surrounding the developing embryo..
- Better awareness about the Sex related matters., increased number of medically assisted deliveries and better post-natal care leading to decreased maternal and infant mortality rate, increased number of couples with smal ler families, batter detection and cure of STOs.

Population Explosion and Birth Control

- Rapid decline in death rate, MivIR [maternal mortality rate) and IMR tinfant mortality rate} along with Increase In population of reproductive age Is the main for population em.prosion.
- Steps to overcome population explosion-
- Usi ng various contraceptive methods.
- Educating people about the demerits of large family,
- o Increasing the marriageable. age of famale and male
- D Providing. incentive to parents having bar 2 children
- toroaceptive methods are [zed to prevent the unwanted pregnancy and modifying the menstrual cycle. An ideal contraceptive should he?
 - 1 User friendly
 - Easily available
 - Effective
 - Fieven'srble
 - 1 No side effects
 - I No way Interferes with sexual desire and sexual act

Contraceptive methods could be divided into following categories-

- a) Natural or traditional methods
- h) Barrier methods
- c) IUDs
- d)- Oral contraceptive methods
- le) injectable
- Implants
- Surgical methods.



- Withdrawal or collo interce,pts male partner withdraws penis tom YagIna Just beforeelaculation,
- Lactational Amenorthea absence of menstruation after parturition and intense milk feeding and no ovulation in this period_
- In Barrier methods, ovum and sperms are prevented From physical meeting with. help of barrier, Diaphragms. cervical cap and vaults are barrier made or rubber that is inserted into the female reproductive tract during coitus.
- 4'Irma uterine Devices. inserted by doctor or trained nurse into the female uterus through vagina_ IliCDs MEV be no•nedicated Mopes loop", Cui•T.. LINIG•2:1 etc. IIJCDs increase the plhagocytosis of sperm in uterus and copper reduce the motility and fertility capacity of sperms. It is ideal for female that wants to delN pregnancy and spacing between two children.
- Oral Pills are progesterone or progesterone -estrogen combination used by females in icirrn of tablets. They Inhibit ovulation and implantation as well as prevent entry of sperms Into cervix. Administration of progesterone or progesterone -estrogen combination within 72 hours of coitus is found to be very effective as emergency contraceptive-
 - Sungical method is used as terminal method of contraception in male and female to prevent any more pregnancy.
 - Visictorny Is the surgical method in male; a small portion of vas deference is removed or tied through a small incision in scrotum to prevent release of sperms.
 - $\textbf{Tubactorny Is the surgical method In females in which small part of fallopian tube Is removed surgically `... and `... are the surgical method of the surgic$

Medical Termination of Pregnancy

- Voluntary termination of pregnancy before Full term is called MTP (medical termination of pregnancy) or induced abortion. R plays Important role in decreasing population by aborting unwanted pregnancy.
- In India, MU" is legalized in 1371 with some restriction to prevent ids misuse such as indiscriminate and illegal Female Toeticides.
- IVITP i5 UW1 to get rid of unwanted pregnancy due to unprotected intercourse or failure of contraceptives used during coibus or rapes or when pregnancy continuation could be harmful or even fetal to mother or feetus.
- MTPs are considered relatively safe during first trimester or up to 12 months of pregnancy. Second trimester MTPs are much more riskier.

SexuallyTransmittBd Disease CSIDsl

Diseases or Infections which are transmitted through sexual intercourse are collectively called sexually transmitted disease or venereal disease {VW or reproductive tract infection (MA.

- Some common STDs ane Gonorrhea, lephilis, genital herpes. chlarnycliasis, genital warm trichornoniasis,, hepatitis-Ba and AIDS.
- Hepatitis-B and HIV is also transmitted by sharing Of injection needles, surgical instruments with infected person, transfusion of blood, or from infected mother to foetus_
 - Except genital herpes, HIV and hepatitis B. are completely curable if detected earlier and treated properly.
- I nfections of Sitis can be prevented by
 - a) Avoid sex with unknown partners/multiple partners.
 - b) Always use condoms during coitus.

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c) Ga to a qualified doctor in case of doubt for early detection and get 'complete treatment if

Infertility

diagnosed_

Infertility may be due to physical, congenital, diseases. drugs, inrimunologkal or even physiological.

- Infertile couples can be assisted to have children through certain special techniques commonly called assisted reproductive tedinalogies (ARIL Which includes-
- li, vitro fertill2ation fertillization 45u tMdo. the body followed by embreo transfer, which is common in called test tube baby program. The ovum from wile/donor and sperms from husband/ donor are collected and induced to fertilize iiii laboratory conditions. The zygote or early Embry (B blastorneresi could he transferred into fallopian tube called MT [zygote infra fallopian transfer) and embryo with more than a blastorneres! UT (i ntra uterine kransfev) into the uterus to complete the further development.
- * GIFT (gamete Intra fallopian transfer!! transfer of gametes collected from a donor into fallopian tube of another 'female who do not produce ovum.
- Intra cytoplasmic sperm infertion 0E511 specialized procedure to form an embryo in laboratory in which sperm is directly injected into ovum.
- Artificial Insernination- infertility cases in which male partner is unable to produce healthy sperms are treated by this technique in which semen collected from donor is artificially introduced into vagina or Into uterus. ILPI j Intra 'uterine Insemination! of the female.