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COLLEGE: MEDICINE AND HEALTH SCIENCES

DEPARTMENT: PHARMACOLOGY

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COURSE TITLE: PHYSIOLOGY OF REPRODUCTION AND ENDOCRINE
ORGANS

DATE: 18TH APRIL 2020 – 10TH MAY 2020

ASSINGMENT: WRITE WHAT YOU KNOW ABOUT CONTRACEPTIVES AND
THE TYPES YOU KNOW.

GIVE EXAMPLES OF THE TYPES OF CONTRACEPTIVES AND
MAJOR ON ANY FIVE

WHAT ARE CONTRACEPTIVES: Contraceptives are also known as birth

control methods. Contraceptives are designed to prevent pregnancy. Birth control methods may work in a number of different ways:

- Preventing sperm from getting to the eggs. Types include condoms, diaphragms, cervical caps and contraceptives sponges.
- Keeping the woman's ovaries from releasing eggs that could be fertilized. Types include birth control pills, patches, shots, vaginal rings and emergency contraceptive pills.
- IUDs, devices which are implanted into the uterus. They can be kept in place for several years.
- Sterilization, which permanently prevents a woman from getting pregnant or a man from being able to get a woman pregnant.

A person's choice of birth control should depend on several factors. These include your health, frequency of sexual activity, number of sexual partners and desire to have children in the future.

TYPES OF CONTRACEPTIVES

- **Cervical cap** : example are the femcap, Dumas, vimule etc.
- **Combination pill**: examples are alesse, april, aranelle, aviane,

enpresse, estrostep, lessima, levite, levora, loestrin, mircette, natazia, lybrel etc.

- **Condoms** : we have the male and female condoms examples are penile sensation, vaginal sensation, oral sex, flavoured, thinnest, tingling, snug fit, larger fit, sex toys, latex, non-latex, lubrication, custom fit etc.
- **Contraceptives implant**: examples are jadelle, sino-implant, norplant implanon and nexplanon etc.
- **Contraceptive patch**: examples ortho Evra contraceptive patch and Evra contraceptive patch.
- **Contraceptive injection**: examples are DMPA (depot medroxy progesterone acetate or depo-provera), Noristerat (NET-EN or norethisterone enanthate).
- **Diaphragms**: example is the Caya.
- **Emergency contraception pill (the morning after pill)**: examples are Intrauterine device (IDU):(Copper IUDs, CuT-380Ag, Cu T-380A,Nova T), Multiload and levonelle or ellaOne.
- **Vaginal ring**: examples are NuvaRing. Progering,annovera

- **Sterilization:** examples are vasectomy and tubal ligation

EXAMPLES OF THE TYPES OF CONTRACEPTIVES

- **Dental dam:** dental dam are used between the mouth and vulva or mouth and anus to reduce the risk of STI transmission between partners. They're rectangle or square and usually made of latex. To do this, snip the closed end of the condom off and cut a slit in the side to make a rectangle . this sheet can then be placed over the genital and anus.
- **The femcap:** the femcap is made of silicon and it is available in three types depending on the users gravidity and parity, fit should be confirmed by the physician. The femcap should only be used by women with an anteflexed uterus. The cap should be left on the cervix for on or more than 48 hours, and a spermicide should always be placed inside the cap before use. Failure rates with the cervical

cap for nulliparous women are similar to those observed with the diaphragm but for parous women, failure rates are twice as high.

- **Sino- implant:** it has two rods each containing 75mg of levonorgestrel, effective for at least four years. It is not yet pre-qualified by WHO and is currently marketed under various trade names including Zarin, femplant and trust.
- **DMPA:** is an artificial progestin preparation which resembles the naturally occurring female hormone, progesterone. It is usually given in doses of 150mg which gives three months protection following injection. It is the most widely available and commonly used injectable contraceptive in Ethiopia.
- **Norplant:** is a progestin-only contraceptive implant that consist of six rods inserted into the upper arm of the client to five to seven years of protection. It's effectiveness decreases from five years onward so women are advised to have it removed five years after insertion. It was the first implant to be introduced (25 years ago) and its manufacture was phased out in 2004. Although it is no longer available, it is important for you to know about it, so that you can advise those who have had norplant implant inserted previously.