Contraceptive Basket



Contraceptive Methods currently available in the Indian Public Health System

S.no	Types &	Mechanism of Action ² /requirement	Benefits	Effects and limitations	Effectiveness of the method
	Methods ¹				
		laying pregnancy)			
1. lı	ntra-Uterine Devi	1			
В.	IUCD 380 A (10 year-long protection) IUCD 375 (5 year-long protection)	Prevents fertilization: Copper ions decrease sperm motility and function, thereby preventing the sperms from reaching the ovum Prevents implantation: IUCD stimulates foreign body reaction in the endometrium that releases macrophages Requires pelvic examination before IUCD insertion Requires a skilled provider for both IUCD insertion and removal	 Effective immediately after insertion Suitable for use by most women, including breastfeeding women One time, cost effective procedure No requirement of daily attention or special attention before sexual contact No drug interaction May help protect against endometrial and cervical cancer Return of fertility is immediate 	P: Period related problems or pregnancy symptoms A: Abdominal pain or pain during sexual contact I: Infections or unusual vaginal discharge N: Not feeling well, fever, chills S: String problems Usually subside with time and/or symptomatic treatment • Does not protect against Reproductive Tract Infections (RTI)/ Sexually Transmitted Infections (STI) and HIV infection	Perfect use (Perfect use of a contraceptive method is when it is used correctly all the time) Typical use (what generally happens in real life. It takes into account human error) <1 pregnancy per 100 women (6 per 1,000 women with perfect use of IUD, and 8 per 1,000 women with typical use)
2. C	ral Contraceptive	Pills (OCPs) - highly effective when take	en correctly and consistently		
Hor	monal				
A.	Combined Oral Contraceptive (COC) (The available COC pills in the public sector is Mala-N)	Prevents release of eggs from ovaries (ovulation) by suppressing follicle stimulating hormone (FSH), and Luteinizing hormone (LH), causing thinning of uterine lining & thickening cervical secretions, making it harder for the sperm to reach an egg. Contain low doses of the hormones, progestin and estrogen. Taken daily, irrespective of sexual contact	 Safe and effective Provides protection against endometrial and ovarian cancer, Prevents iron deficiency Helps with PCOS, endometriosis Return of fertility is immediate 	Cannot be used by breastfeeding women till 6 months Bleeding changes (irregular bleeding, no monthly bleeding, etc) Nausea, vomiting, headache Weight changes, breast tenderness, acne Mood changes or changes in sex drive These effects are harmless, temporary and subside gradually	Perfect use: 0.3 pregnancy /100 women Typical use: 8 pregnancy /100 women



B.	Progestin Only Pill (POP), also called minipills	Thickens cervical mucous (this blocks sperm from meeting an egg) and disrupts the menstrual cycle, including preventing the release of eggs from the ovaries (ovulation) Contain low dose of the progestin hormone. Taken daily, irrespective of sexual contact.	 Can be started in breast feeding women 	 Irregular bleeding/amenorrhea Nausea, headache, dizziness Mood changes/changes in sex drive Breast tenderness Abdominal pain These effects are harmless, temporary and subside gradually Doctor should be consulted before starting POP as it is contraindicated in certain health conditions 	Perfect use Breastfeeding women: 0.3 pregnancy/100 women Non-breastfeeding women: 0.9 pregnancy/100 women Typical use Breastfeeding women: 1 pregnancy/100 women Non-breastfeeding women: 3-10 pregnancy/100 women
Non	n Hormonal				
C.	Centchroman (Ormeloxifene) also called Chhaya	It causes an asynchrony in the menstrual cycle between ovulation and the development of the utering lining, thereby creating an environment that when fertilization occurs, zygote implantation is not possible Non-steroidal, non-hormonal	help anemic women Can be used safely in conditions where	 Prolongation of menstruation cycle. It occurs in 8% cases usually in first 3 months 	Perfect use: 1-2 pregnancy per 100 women following one year of perfect use
3. Ir	njectable contrace				
	Medroxy Progesterone Acetate (MPA: Synthetic hormones resembling the natural female hormone, Progesterone) Also known as Antara	Thickens cervical mucous to block sperm and egg from meeting and prevents ovulation To be taken every three months	 No interference with sexual contact Can be used by women of any age or parity No effect on quantity and quality of breast milk Can be used in immediate postpartum (non-breastfeeding) and at 6 weeks (breastfeeding and Post-abortion Very effective and reversible method Decreases menstrual cramps, menorrhagia Prevents or improves anaemia Protects against endometrial & ovarian cancer 	 In first 3 months: Irregular bleeding/prolonged bleeding Within 1 year: Amenorrhea sets in These changes are due to the effect of progesterone, hence are harmless. Return of fertility is 7-10 months from date of last injection 	Perfect use: 1 pregnancy per 100 women using monthly injectables over the first year Typical use: 3 pregnancies per 100 women using monthly injectables over the first year



4	Male Condoms (also	•	Prevents uterine tumors (Fibroids) Reduces the incidence of symptomatic pelvic inflammatory disease (PID) Decreases benign breast disease and ovarian cyst Reduces the symptoms of endometriosis & sickle-cell crises • Only method that provides protection from pregnancy and sexually transmitted		Perfect use: 2 pregnancies per 100 women
	known as Nirodh, rubbers, umbrellas)	polyisoprene, that fit over a man's erect penis. Forms a barrier to prevent sperm and egg from meeting	infections (STIs) - those spread by discharge such as HIV, ggonorrhoea, and chlamydia, and those spread by skin-to-skin contact, such as herpes and human papillomavirus	needs to be used for every sexual contact.	Typical use: 13 pregnancies per 100 women
	• Return of fertility is immediate				
	Permanent/Limiting Method 5. Sterilisation ⁴				
A.	Tubectomy / Tubal Ligation (Female)	Fallopian tubes are cut or blocked either through Minilap (small incision in the abdomen where tubes are brought to the incision) or laparoscopically (long, thin tube inserted into the abdomen and fallopian tubes are accessed through the laparoscope through a small incision in the abdomen). Eggs released from the ovaries cannot move down the tubes, and so they do not meet sperm. It is a permanent method	 Permanent surgical contraception for women No worries about getting pregnant and using any other method again Fertility does not return 	 Does not protect against sexually transmitted infections Recovery period is 7-10 days Invasive procedure with small risk of complications viz., internal bleeding, infection or damage to the other organs. Reversal is not possible 	<1 pregnancy per 100 women over the first year after the sterilization procedure Effectiveness varies slightly depending on how the tubes are blocked, but pregnancy rates are low with all techniques
В.	Vasectomy (Male) No-Scalpel Vasectomy (NSV)	A small incision is made in the scrotum to reach the vas deferens (the tubes that carry sperms) and the cut ends are blocked by tying or applying heat (cauterization) Keeps sperm out of ejaculated semen. Semen is ejaculated	 One of the most effective and convenient methods NSV is a more medically advanced procedure- is less invasive, less time consuming (15 minutes) and easier, in comparison to tubectomy. 	 Does not protect against sexually transmitted infections. Reversal is rare, complicated and often unsuccessful. Secondary contraception needs to be adopted for at 	<1 pregnancy per 100 among partners of sterilised men



		normally, but it cannot cause pregnancy. It is a permanent method	 Recovery period is 24-48 hours. In majority cases, the person can return to work immediately. Does not affect male sexual performance. Has fewer side effects and complications than many methods for women Fertility does not return 	least 8 to 12 weeks after the procedure.	
Em (6	Levonor- gestrel Emergency Contraceptive Pill (ECP) or Ezy Pills, also known as the morning-after pill	A progestin-only pill. Prevents pregnancy in emergency situation (unprotected /accidental sexual contact). To be taken within 72 hours as a single dose (1.5 mg). ECPs interfere with ovulation/fertilization/implantation depending on the phase of the menstrual cycle of the woman it is consumed	Safe for all women, even for those who cannot use regular hormonal contraceptives, no known health risks Can be taken at any time during the monthly cycle A physical examination is not required Return of fertility is immediate	Nausea Vomiting Emergency contraceptive pills do not provide ongoing protection against pregnancy. Not appropriate as a regular contraceptive method due to less effective than other contraceptives, chances of menstrual irregularities	If all 100 women used ECPs containing only progestin, 1 pregnancy /100 women

¹ National Health Mission Components. RMNCHA. Family Planning. https://nhm.gov.in/index1.php?lang=1&level=2&sublinkid=821&lid=222

https://nhm.gov.in/New Updates 2018/NHM Components/RMNCHA/Family planning/Schemes & Guidelines/IUCD/IUCD Manual English.pdf

² Family Planning: A Global Handbook for Providers. 2018 World Health Organization and Johns Hopkins Bloomberg School of Public Health. https://apps.who.int/iris/bitstream/handle/10665/260156/9780999203705-eng.pdf?sequence=1

³ Reference Manual for IUCD services. Family Planning Division. Ministry of Health and Family Welfare. March 2018.

⁴ Female Sterilisation Contraception Guide. National Health Services. UK. https://www.nhs.uk/conditions/contraception/female-sterilisation/