

Factsheet by HEART In Collaboration with Irene Khan and Dr. Roohi Jeelani



Fertility: the natural ability of an individual or couple to reproduce through normal sexual activity.

Ovulation: A part of the menstrual cycle when a ripe egg (ovum) is released from your ovary in response to a hormonal signal. The ovum moves into the fallopian tube where it is available for fertilization. If fertilized, the egg may travel to the uterus and implant to develop into a pregnancy.

Follicle Stimulating Hormone (FSH): the main hormone responsible for producing mature eggs. Your FSH is returned as a nume<u>rical value with an</u> ideal range for your age. Low FSH results signal anovulation (when the ovary doesn't release a mature egg), while extremely high FSH levels can indicate the onset of menopause.

Morula: an early stage embryo – typically Day 3. There are 16 cells. Sometimes, depending on the patient's treatment plan, it may be recommended to transfer a "day 3" embryo – a morula – to a woman's uterus during an IVF cycle.

Blastocyst: the stage of an embryo where cells are rapidly dividing and distinction between cells that will become the baby begin to appear apart from those that will become placenta. This typically occurs around day 5 – 7 and an embryo must reach this stage in order to hatch and implant in a uterus. An embryo can be frozen at this stage. In addition, most embryos are transferred to the uterus at this stage.



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How To Track Ovulation



Dvalation Predictor Kit

OPKs are urine tests used to track an indicates ovulation will occur in 12-36

Saliva Ferning Kits

ovulation will occur within 24-72 hours.





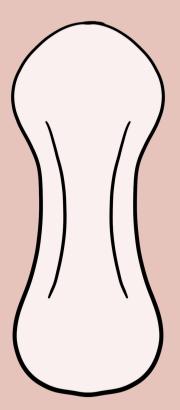
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Basal Body Temperature

thermometer. You will notice a spike in your chart on the days after you ovulated. To increase chances of





Cervical Mucus Charting

- 1.DRY: Following the END of your menstrual cycle,
- 2. STICKY: The next type of secretion if dry sticky
- 3. CREAMY: Next is a creamy secretion that feels
- 4. EGGWHITE: The stretchy, clear and lubricative highest fertility.





What to Explore Overtions to Ask

Fertility Treatments If you and your partner are having difficulty conceiving, fertility treatments may help increase your chances of having a baby. Fertility treatment refers to medications that stimulate egg or sperm production and procedures that involve the eggs, sperm, or embryos, but treating infertility can go beyond fertility treatments. Treatment can also include surgical interventions, lifestyle changes, weight loss, or treatment of an underlying medical condition. A treatment plan will depend on the causes behind your infertility, and your personal circumstances.





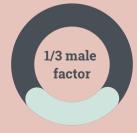


Muslims and Infertility



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Fertility Treatment: Medication

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Purpose

Function

Costs

Considerations



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Fertility Treatment: Surgery

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Purpose

Function

Costs

Considerations



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Fertility Treatment: Assisted Reproductive Technology (ART)- IVF

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<u>Purpose</u>

Function

Costs



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Fertility Treatment: Assisted Reproductive Technology (ART)- IUI

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<u>Purpose</u>

Function

Costs

Considerations



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Fertility Treatment: Egg Freezing

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<u>Durpose</u>

- In the situation that an individual with ovaries gets a serious disease, such as cancer, or plans to have children at an older age, they can harvest and freeze their eggs to use later when they are ready to have children.
- The main purpose of egg freezing is to ensure there are lower chances of serious complications if they choose to have a child in the future.

Function

The official medical name for egg freezing is mature oocyte cryopreservation. Egg freezing is a procedure that involves stimulating the ovaries with hormones to produce several eggs, retrieving the eggs, and cooling them to

Costs

- The average cost of egg freezing ranges from \$30,000 \$40,000, due to the

Considerations

- -Consider what you expect your life timeline might be, such as an ideal age you



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Resources for Fertility Resource Sheets

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Gources

currently available methods. Bioeng Transl Med. 2017;2(3):238-246.



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