



ART Toolkit: Memorize Every Acronym

IVF, ZIFT, IUT, GIFT, ICSI, AI/IUI

IVF

ZIFT

IUT

GIFT

ICSI

AI/IUI

The Clinical Problem



Infertility: The inability of a couple to produce children despite unprotected sexual co-habitation. (Clinically diagnosed after 2 years).

The Clinical Solution

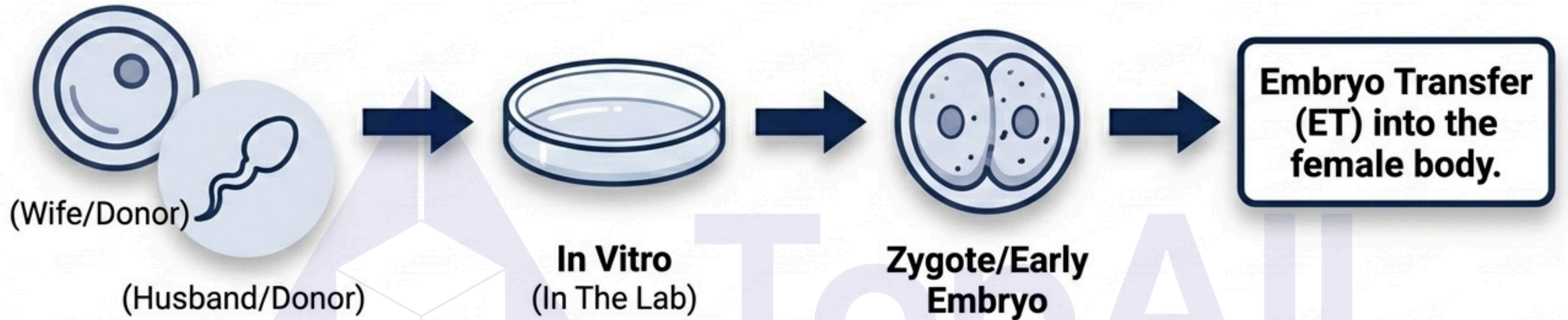


Highly specialized, high-precision procedures used to help infertile couples have children.



While female partners are often blamed due to social stigma, the clinical reality is that the problem often lies with the male partner. ART provides specialized solutions for both.

The Baseline Technique: IVF-ET



In Vitro Fertilisation (IVF) followed by Embryo Transfer (ET).
Commonly known as the test-tube baby programme.

Real-World Application: The first IVF baby was Louise Brown (UK, 1978).
India's first was Durga / Kanupriya Agarwal (Kolkata, 1978) — born just 67 days later.



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$$E=mc^2$$



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ZIFT: The Early Transfer

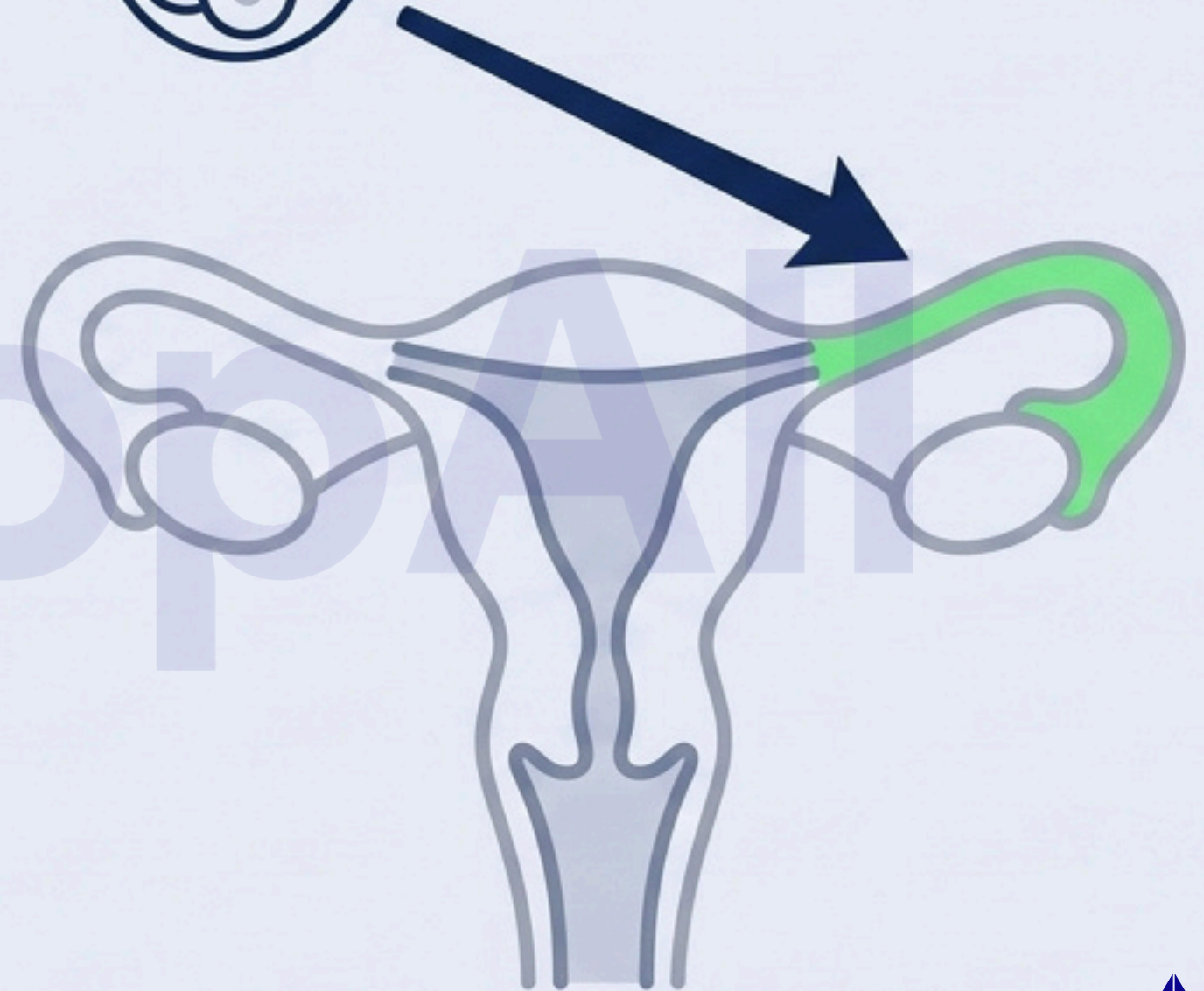
ZIFT

Zygote Intra Fallopian Transfer

- **What is transferred:** Zygote or early embryo.
- **The Cell Count:** Up to 8 blastomeres (≤ 8).
- **The Target:** Fallopian Tube.



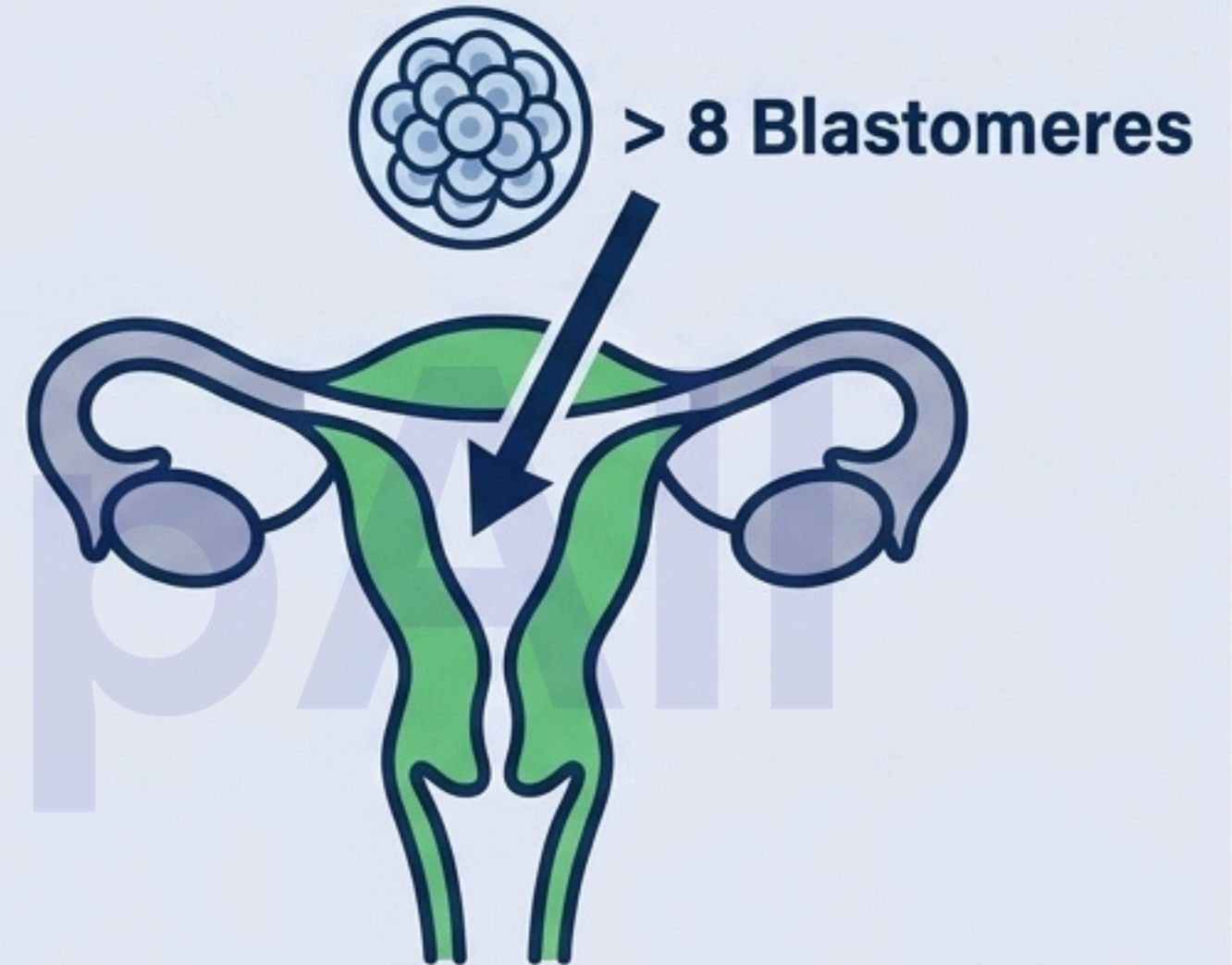
≤ 8 Blastomeres



IUT: The Late Transfer

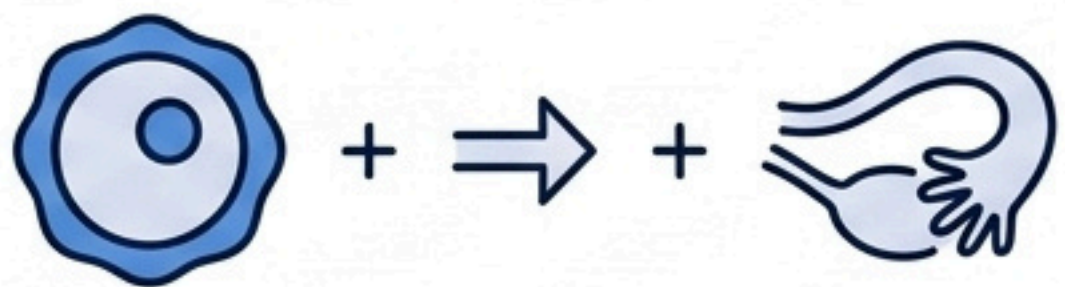
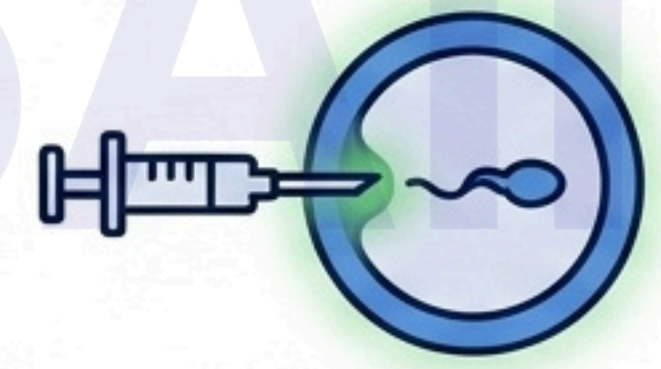
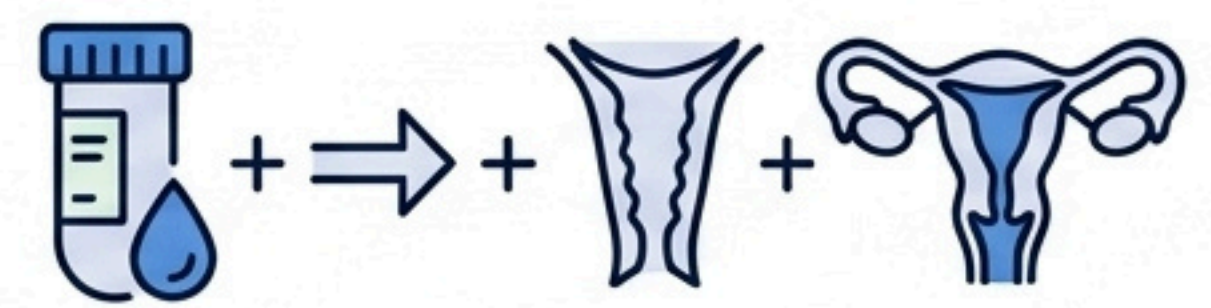
IUT Intra Uterine Transfer

- What is transferred: **Advanced embryo.**
- The Cell Count: **More than 8 blastomeres (> 8).**
- The Target: **Uterus.**



Do not confuse ZIFT and IUT. The acronym tells you the target (Fallopian vs Uterine). The anatomy dictates the cell count.

The Edge-Cases: GIFT, ICSI, AI/IUI

The Clinical Problem	The ART Acronym	The Visual Mechanism
Female cannot provide ovum	GIFT (Gamete Intra Fallopian Transfer)	
Female cannot conceive in body	ICSI (Intra Cytoplasmic Sperm Injection)	
Male: very low sperm count	AI / IUI (Artificial Insemination / Intra-Uterine Insemination)	

The 8-Blastomere Rule (NEET Essential)



Mix up these two and the mark is gone.

⚠ Confusing IUT with ZIFT is the standard trap.

Master Memory Aid

If Zoo Iguanas Got Sick Inject Antibiotics

IVF → ZIFT → IUT → GIFT → ICSI → AI



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