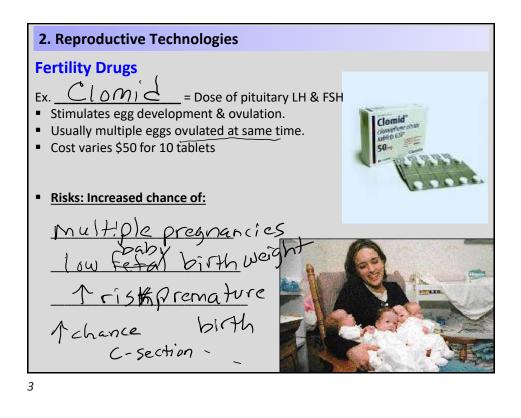
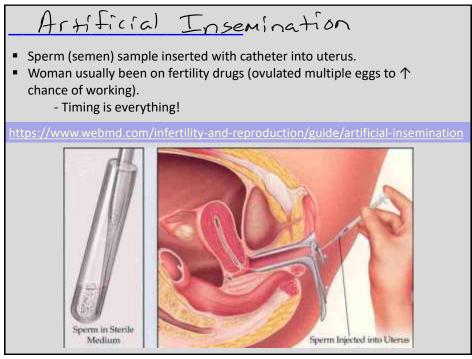
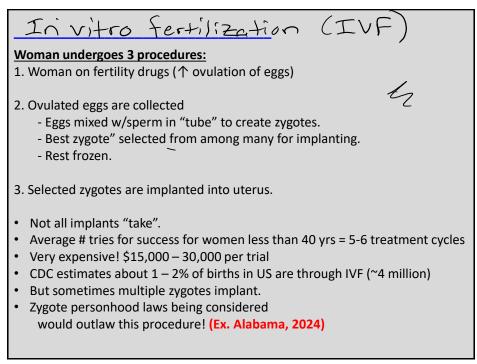
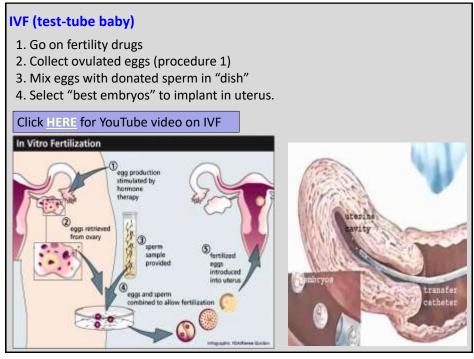


1. Infertility (Review Reproductive A&P Lecture Notes)	
Female Infertility $f AGE$	Male Infertility
uterine fibroids	Kline Felter's
Turner byndrome	Anabolic Steroid abuse
high WHR	high WHR (problemidie)
Chemotherapy	Chemotherapy
Endometriosis	STDS
PCOS 15	BPH
Ovarian cancer	↑ AGE
Eating disorders	
anabolic steroid abuse)
STDS	









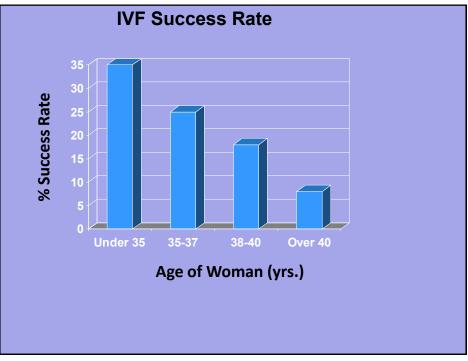
In-Vitro Fertilization (test-tube baby)

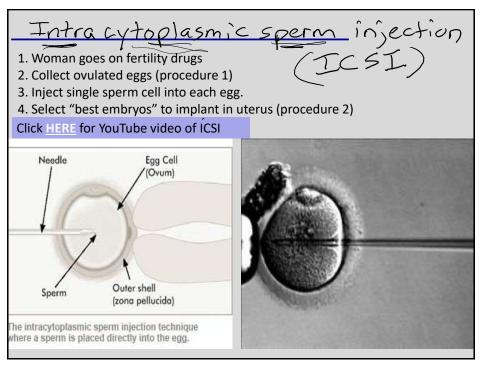


Louise Brown

- Born July 25, 1978 in England
- First "test tube baby"

- Gave birth to her own baby boy (without aid of in-vitro) in 2006



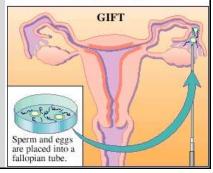


Gamete Intra-fallopian Transfer (GIFT)

- 1. Woman goes on fertility drugs
- 2. Combine collected eggs with with sperm in petri dish .
- 3. Put eggs and sperm directly into fallopian tubes & allow for fertilization.

GIFT

With GIFT, sperm and eggs are placed in a fallopian tube to allow fertilization in the natural site. The woman must have at least one normal, open fallopian tube.



Ovary Transplant

First done in 2004

Identical twin sisters – one sister donated ovarian tissue to her other sister (same genetic info so no tissue rejection.

You can also "freeze" your ovary if you have to undergo cancer treatment. > cost of procedure is ~ 3,000

> Then can get ovary transplanted back for ~ \$6,000 – 10,000)



https://www.infertile.com/infertility-news/ovary-transplant-surgery/

11

Freezing Sperm Freezing Eggs

- 1. Woman goes on fertility drugs
- 2. Collect ovulated eggs (procedure 1)
- 3. Use rapid-freezing (liquid nitrogen) for either eggs or sperm.
- More difficult to freeze eggs & have them viable than with freezing sperm
- Freezing eggs in the news:





Choosing Gender MicroSort Technique > Normal semen sample - 50% of sperm carry X & 50% carry Y = 50 % chance of having either boy or girl. > Technique to "pre-sort" sperm into X-bearing or Y-bearing sperm based on mass of sperm (if carry X chromosome it's heavier). > Can sort with success to: ~91% primarily X-bearing sperm in sample and ~76% primarily Y-bearing sperm in sample. > Then use sample for artificial insemination. Image: Comparison of the success of the sample of the sample

