

In Vitro Fertilization = 体外受精



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In Vitro Fertilization = IVF

in vitro = in glass



Common Term: "test tube baby"



Actually done in a glass "petri dish"

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Country Comparison



In 2019 59,566 IVF births (7%)

<https://www.japantimes.co.jp/news/2022/04/01/national/japan-ivf-support/>



In 2019 77,998 IVF births (2.1%)

<https://www.statista.com/statistics/612152/japan-life-births/>
<https://www.cdc.gov/art/state-specific-surveillance/2019/index.html>

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IVF History



First time 1978...

2019 Worldwide Total = 8,000,000+

Louise Brown +
her own baby

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Egg Retrieval: How do doctors get the eggs?

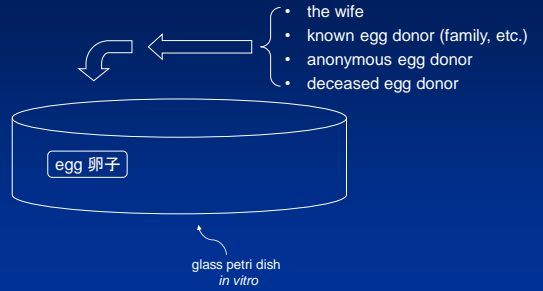
University of Washington Video



<https://www.youtube.com/watch?v=jh6j4hzBJ8>

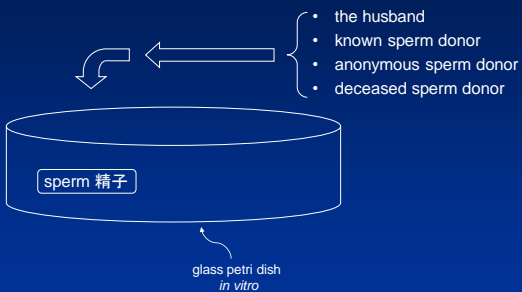
5

Where can the egg come from...



6

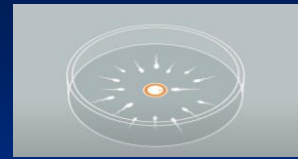
Where can the sperm come from...



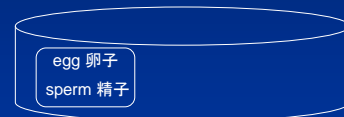
7

What happens next...

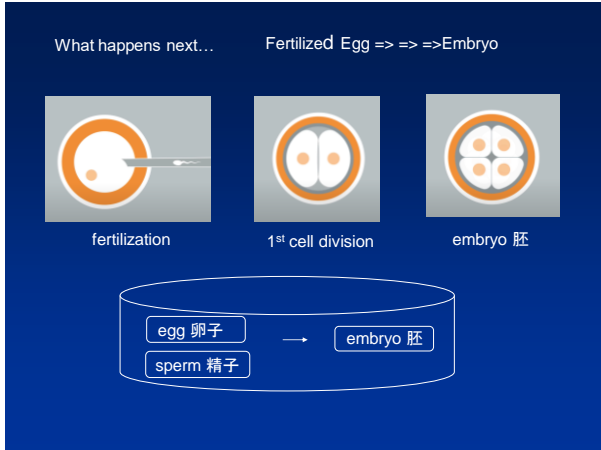
Egg & Sperm Join



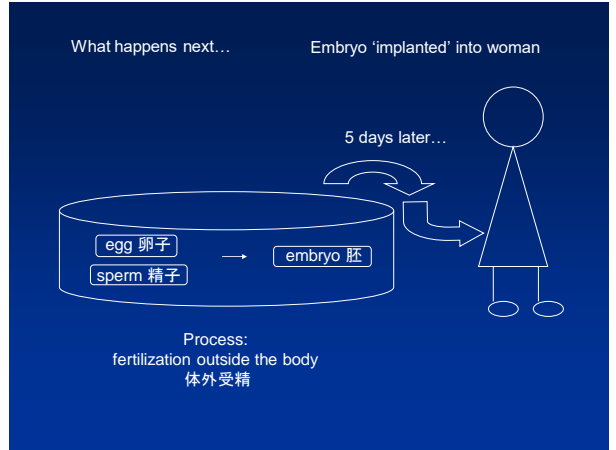
University of Washington Video



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What happens next... Embryo 'implanted' into woman

Who can this woman be?

- the wife
- a sister (Japan)
- surrogate mother (借りの母胎)

Surrogate Mother
借りの母胎

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