







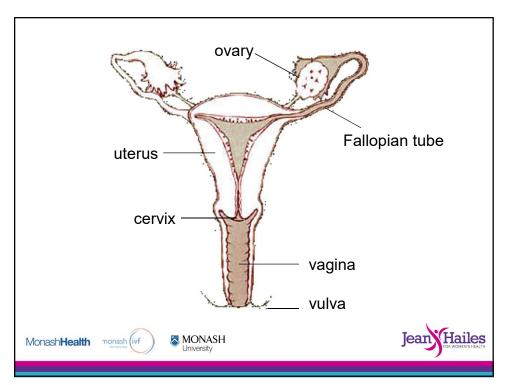
Causes of female infertility and treatment

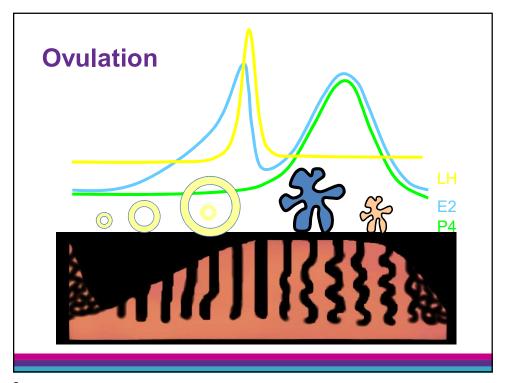
Associate Professor Beverley Vollenhoven

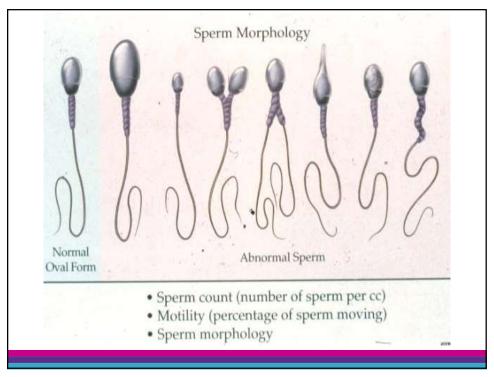
Reproductive Endocrinologist and Infertility Specialist

Head of Gynaecology, Monash Health Deputy Head, Obstetrics and Gynaecology, Monash University Monash IVF

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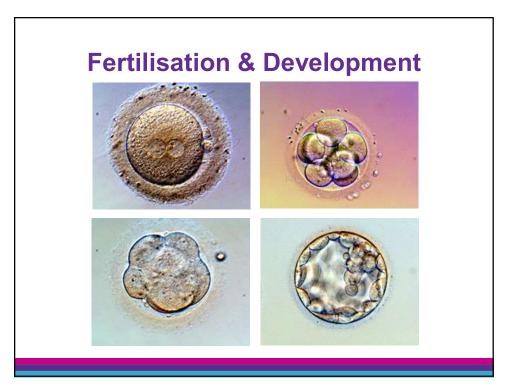


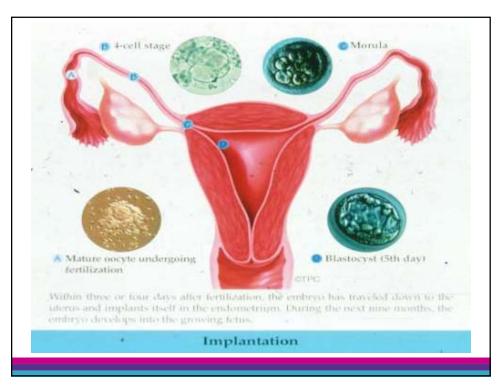




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Probability of conception

- After 3 months 30%
- After 6 months 50-60%
- After 9 months 60-70%
- After 12 months 80-90%
- After 24 months 95%

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What is Infertility?

Absence of conception
after 1 year
of regular, unprotected intercourse









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How many couples are affected?

15%

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Infertility is a Growing Problem

- Postponement of childbearing
- Effective Contraception
- Rising incidence of STIs
- Smoking

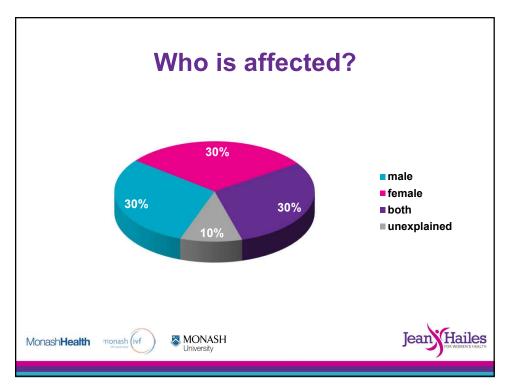
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What are the causes of Infertility?

- Ovulation disorders ----- no egg
- Tubal infertility ----- no transport
- Male factor ----- no fertilisation
- Implantation failure
- Endometriosis
- Unexplained infertility
- Uterine abnormalities









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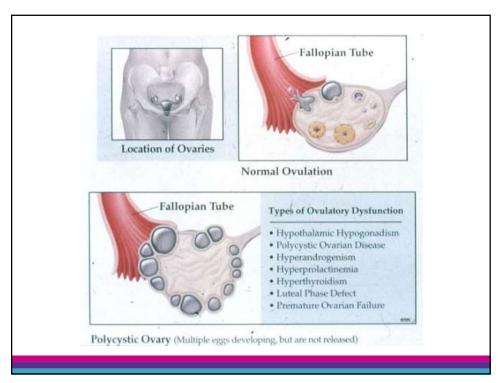
The duration of infertility and the time remaining for conception may be more important than the cause of infertility itself.

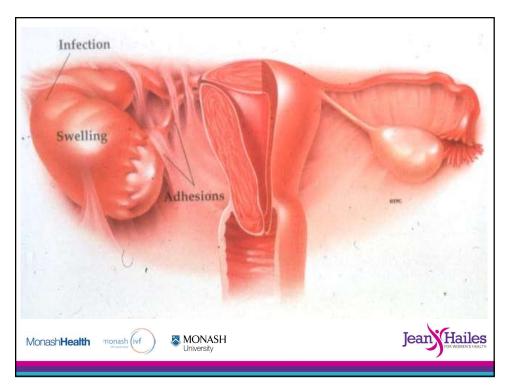
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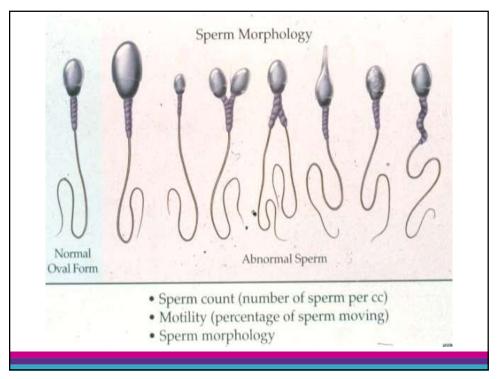


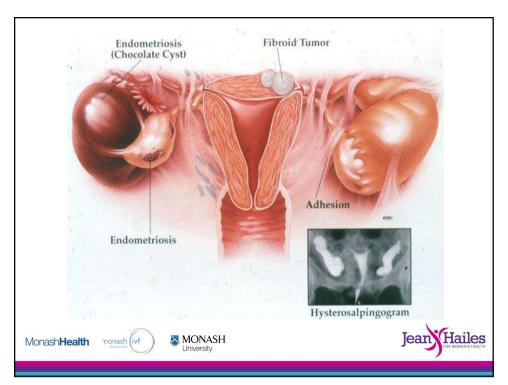


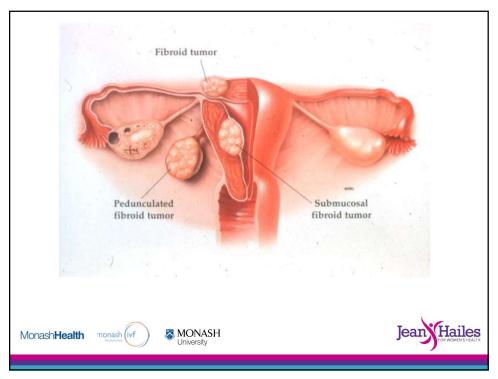


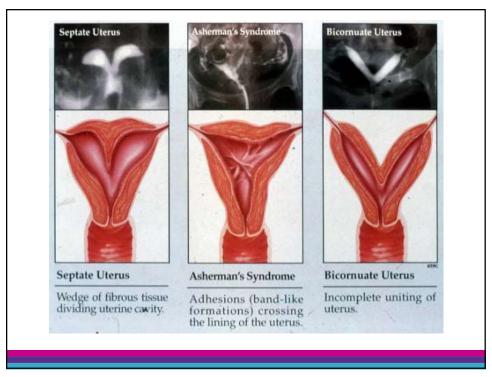












Effect of Age on Fertility

- 1/3 of women who defer pregnancy until > 35 years will have an infertility problem
- 40-44 years old monthly fecundity of 5%
- Decline due to poor oocyte quality and number
- Increased incidence of spontaneous abortion ½ after age 40 years

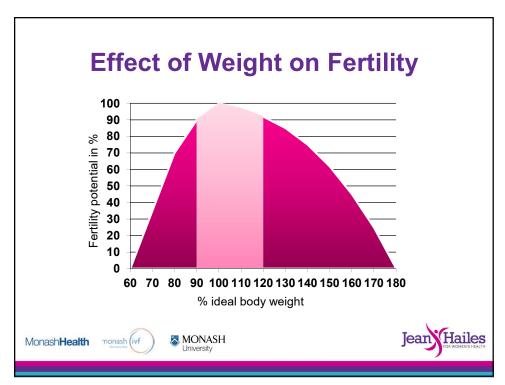
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Effective Treatment of Infertility

- Clomiphene, Gonadotrophins, Bromocriptine,
 ?Metformin ovulation Disorders
- Surgical endometriosis, fibroids, adhesions
- COH and IUI idiopathic, endometriosis
- IVF ± ICSI tubal, male, endometriosis, unexplained, failure of other treatments
- Sterilisation Reversal
- Donor Gametes
- Surrogacy

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Controlled ovarian hyperstimulation (COH)/Intrauterine insemination (IUI)

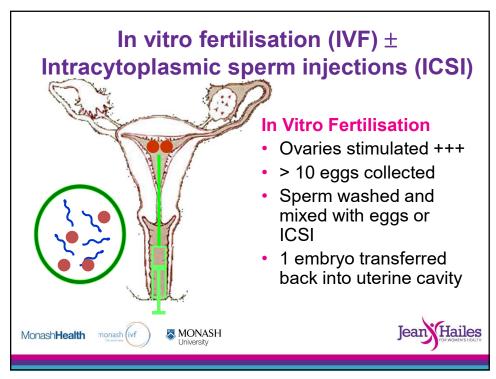
- Aim to create up to 3 mature oocytes
- Treatment with low dose Gn from cycle day 2
- Monitoring with E2 and US
- IUI at time of ovulation
- Risk of multiple pregnancy

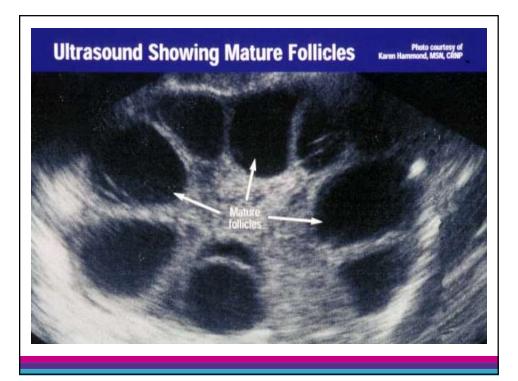
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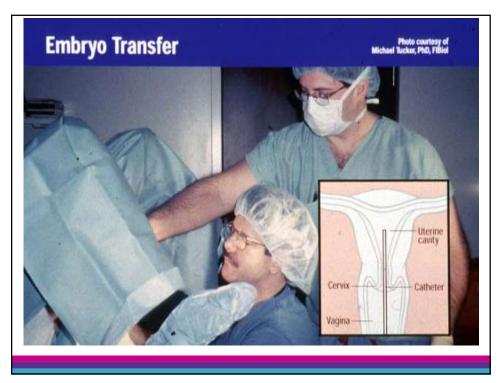


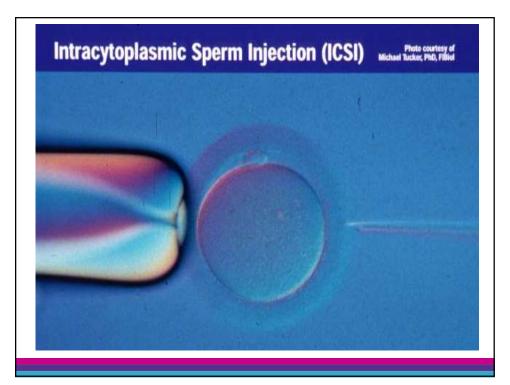














Psychological Aspects of Infertility

- Stressful psychological, social, physical, financial
- Emotional stress is a result rather than a cause of infertility
- Psychological counselling is of benefit

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Adoption

- Always an option particularly overseas
- Positive alternative for those who want mostly to be parents
- Most adoptees are emotionally healthy and consider adoption a positive experience

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