



Female Fertility: Your Questions Answered

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Why are we talking about this?????

- *“Ok I survived cancer, now what??”*

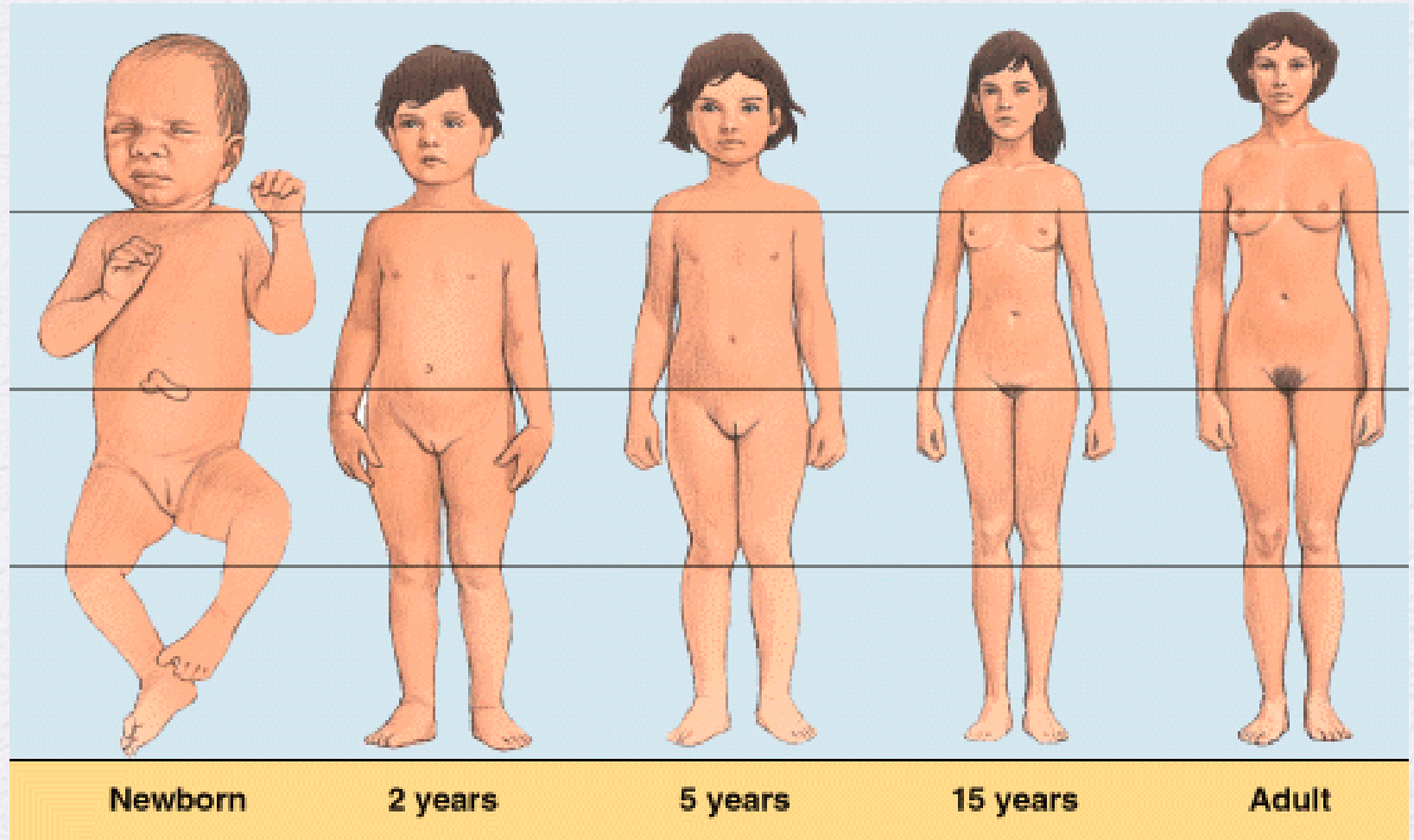
After care issues:

Bone Health, Physical, Cardiac,
Psychosocial, **Fertility**

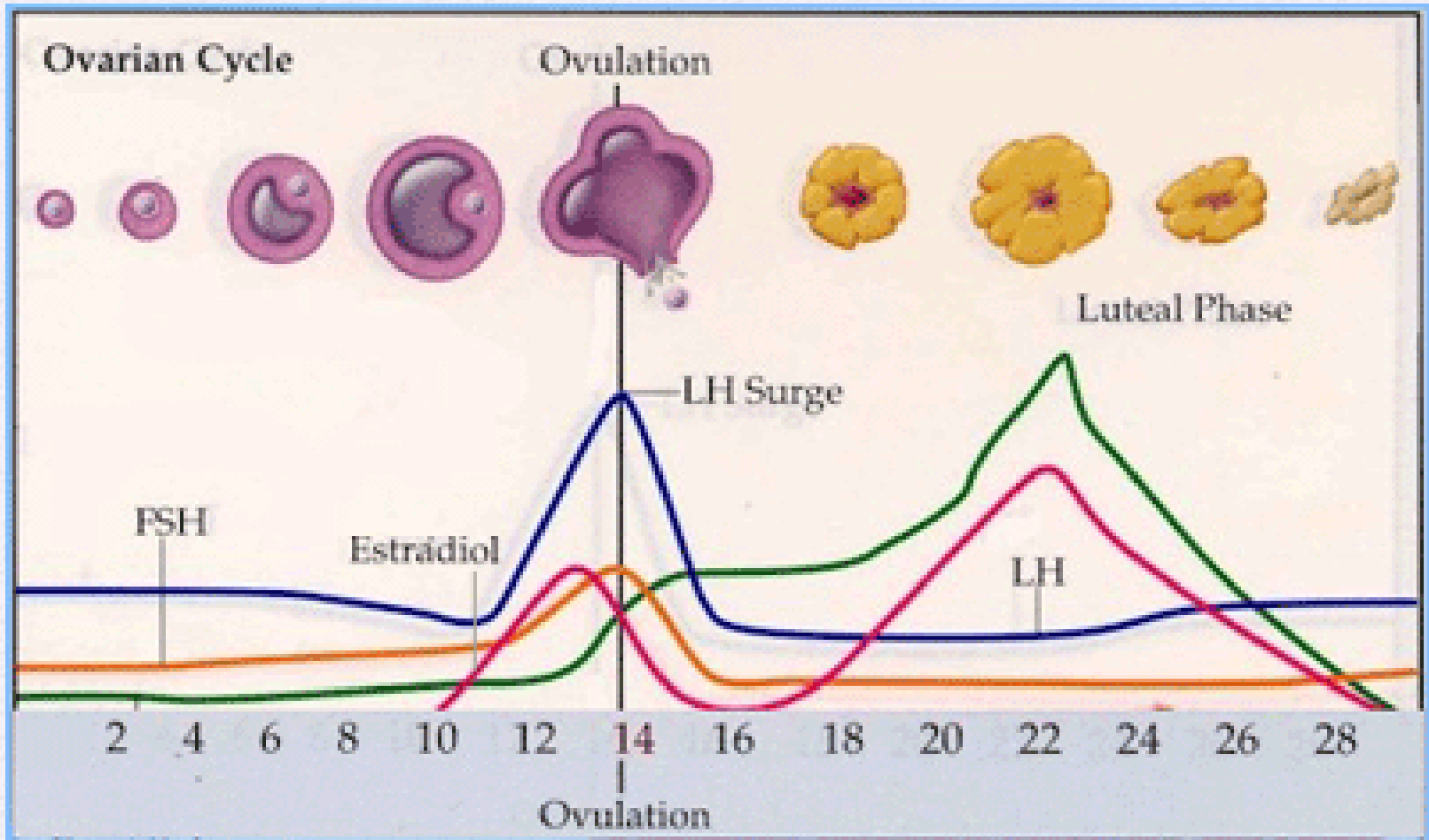
Fertility 101

- Puberty
- Menstrual Cycles
- Ovarian Reserve
- Fertility and Age
- Chemotherapy and Radiotherapy:
Possible fertility affects
- Safety of Pregnancy After Cancer

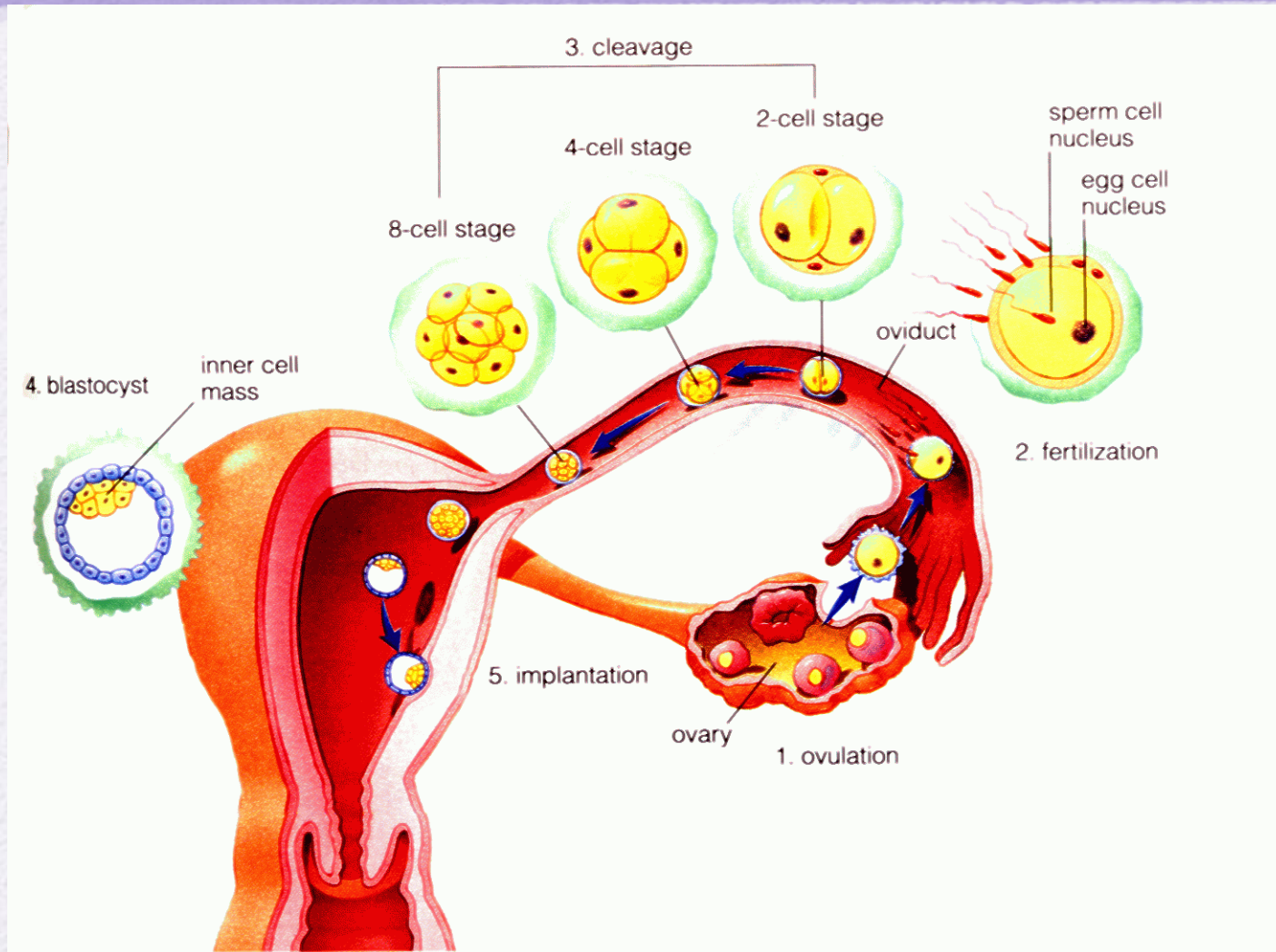
Fertility 101



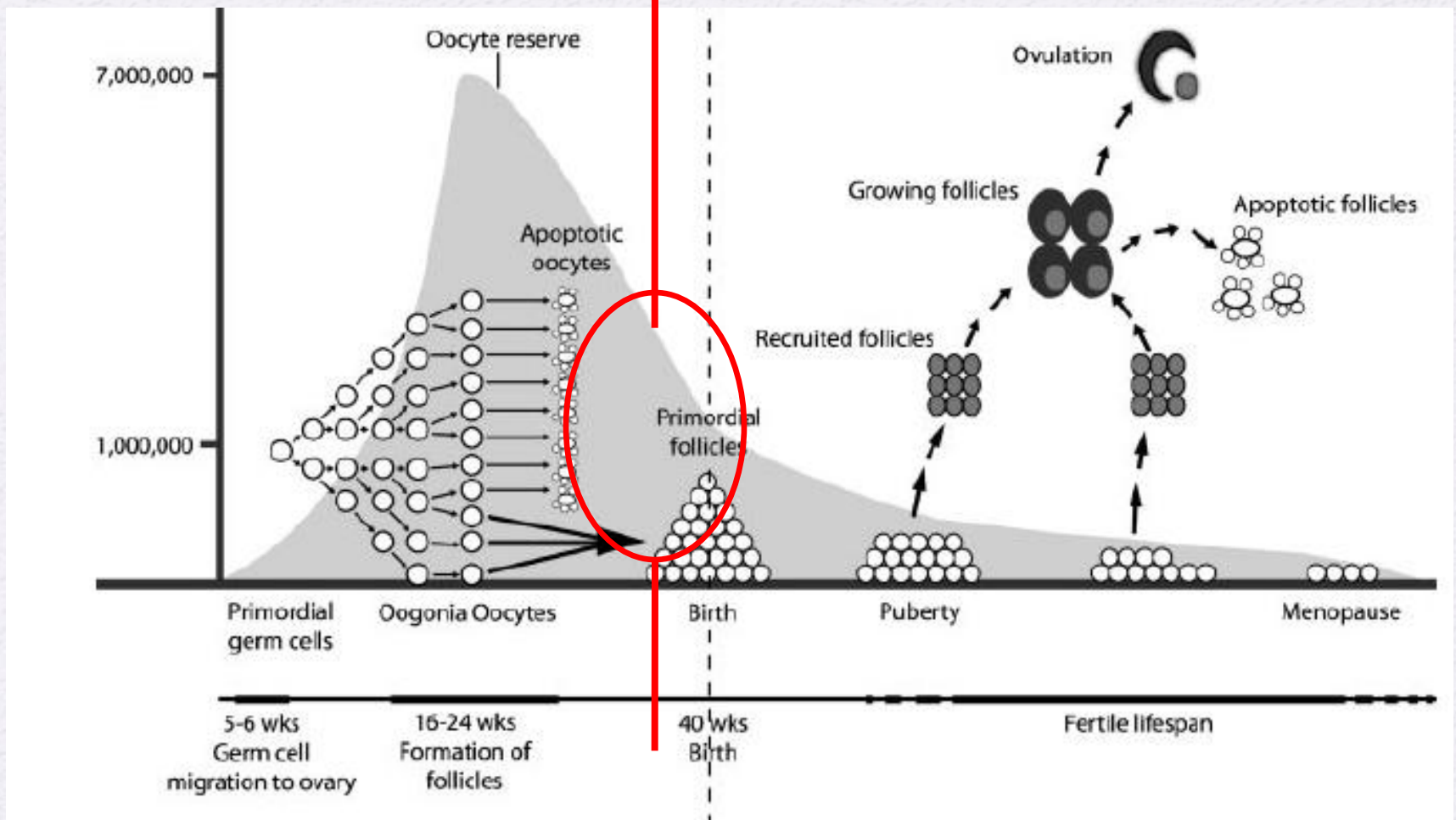
Fertility 101



Fertility 101

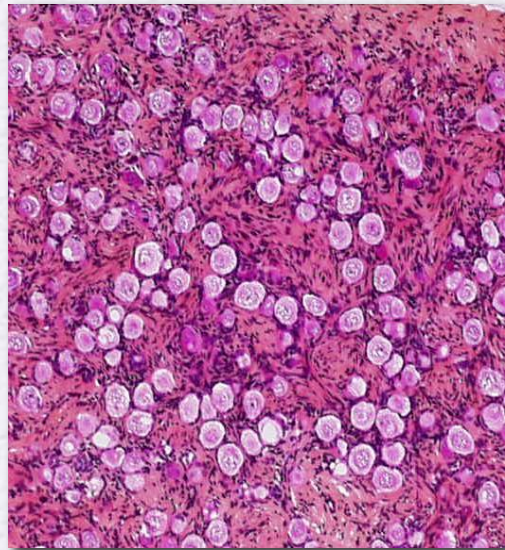


OVARIAN RESERVE

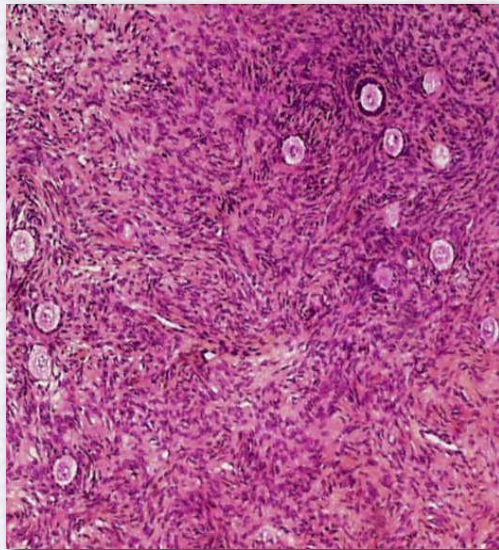


Ovarian Reserve

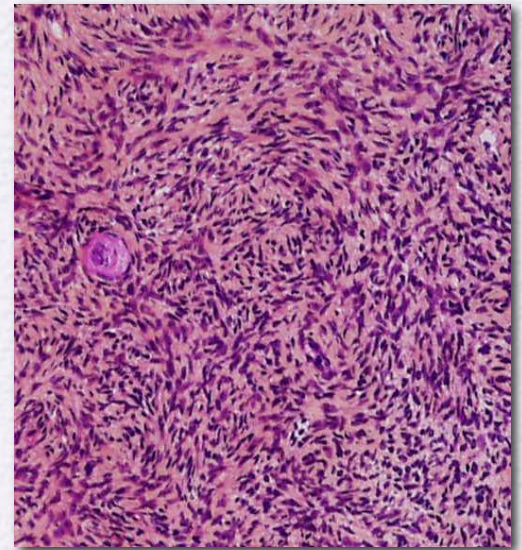
10-year-old



20-year-old

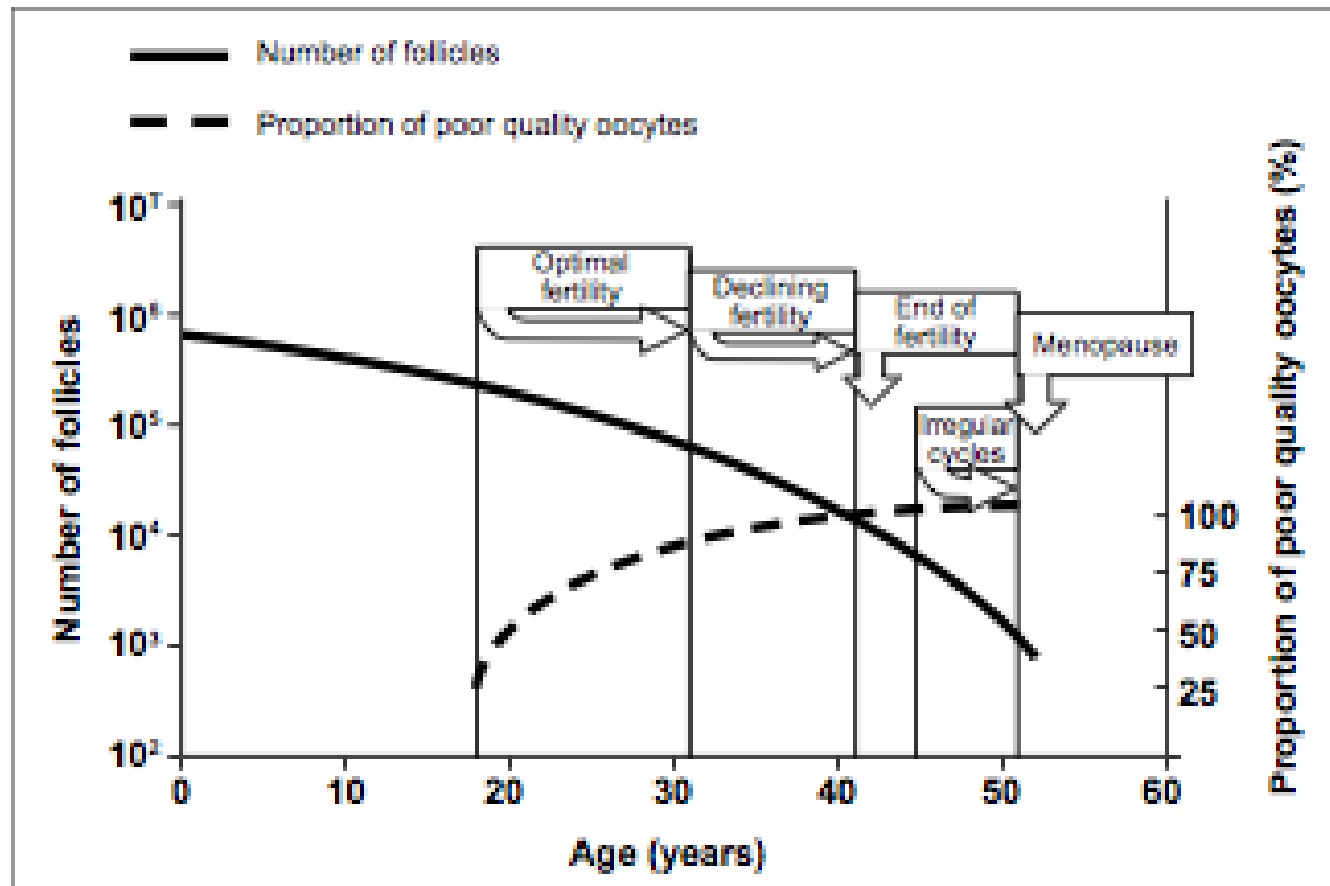


30-year-old



Normal Reproductive Aging

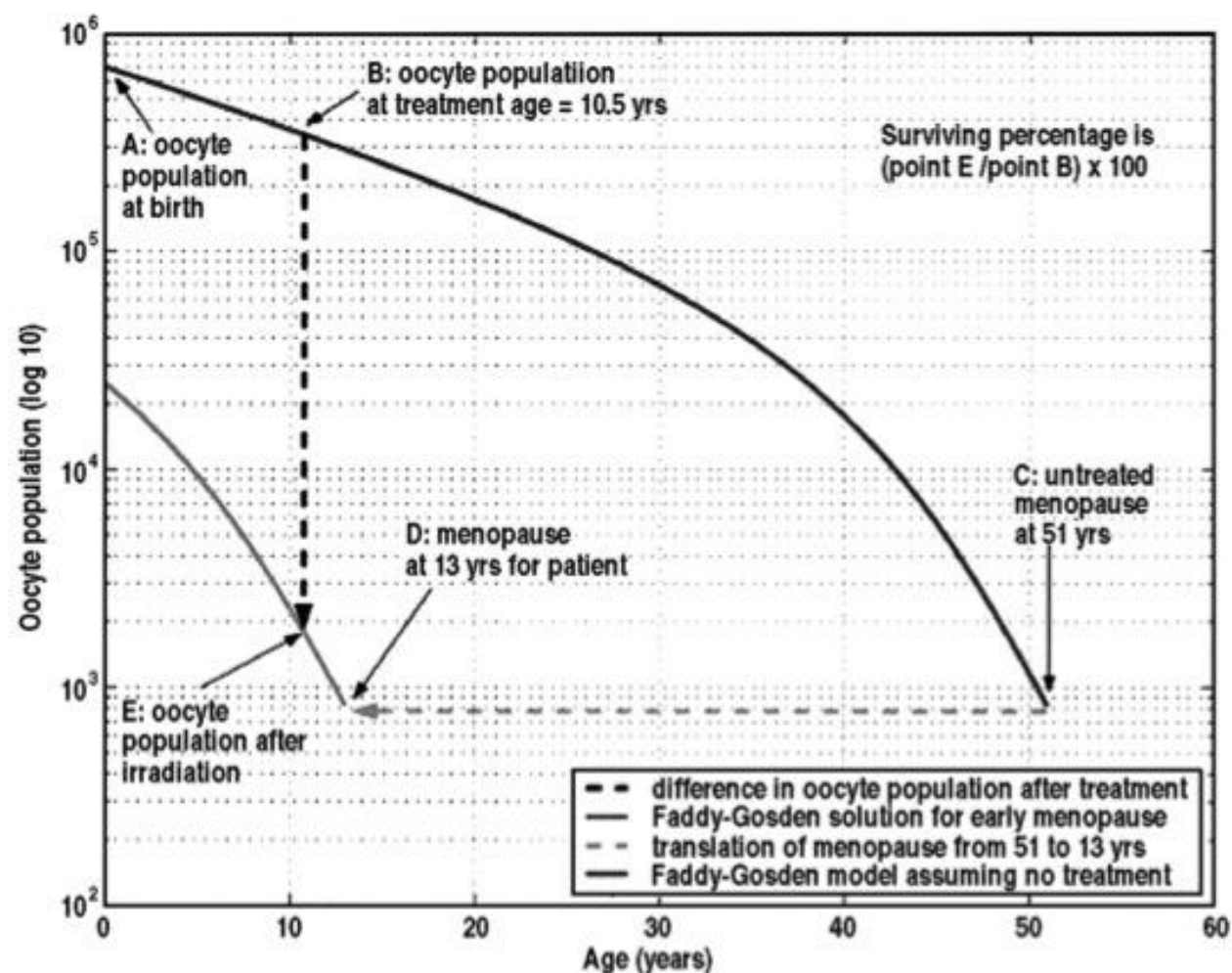
Figure 1. Schematic representation of the number of primordial follicles present in the ovaries and the chromosomal quality of oocytes in relation to female age and corresponding reproductive events.



Graph was drawn after Hansen et al. and de Bruin et al.

Broekmans FJ, Soules MR, Fauser BC. Ovarian aging: mechanisms and clinical consequences. *Endocr Rev* 2009;30:485–93. Copyright 2009. The Endocrine Society. Reproduced with permission.

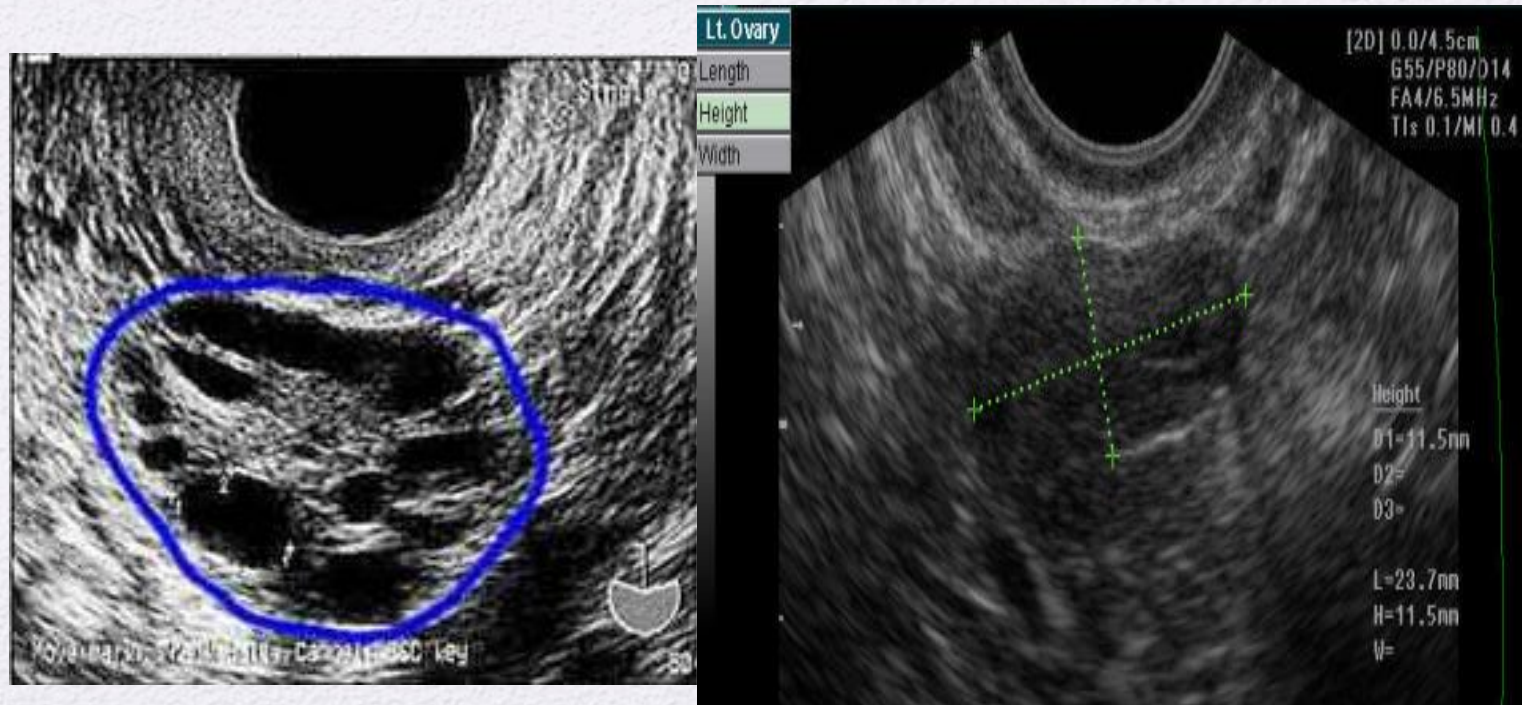
Figure 1. The Faddy-Gosden model.



Wallace W et al. Hum. Reprod. 2003;18:117-121

Effects of Chemo/pelvic radiation

- Regular menses can resume with severely diminished ovarian reserve.



Options

- *"Ok, Now I'm worried! What can I do?"*

Ask your doctor if your treatment may have affected your fertility?

If the answer is 'Yes', "Possibly", or "I don't know..".....

As for a referral to a Reproductive Endocrinologist or Fertility specialist!

Options

- *"What can they do?"*

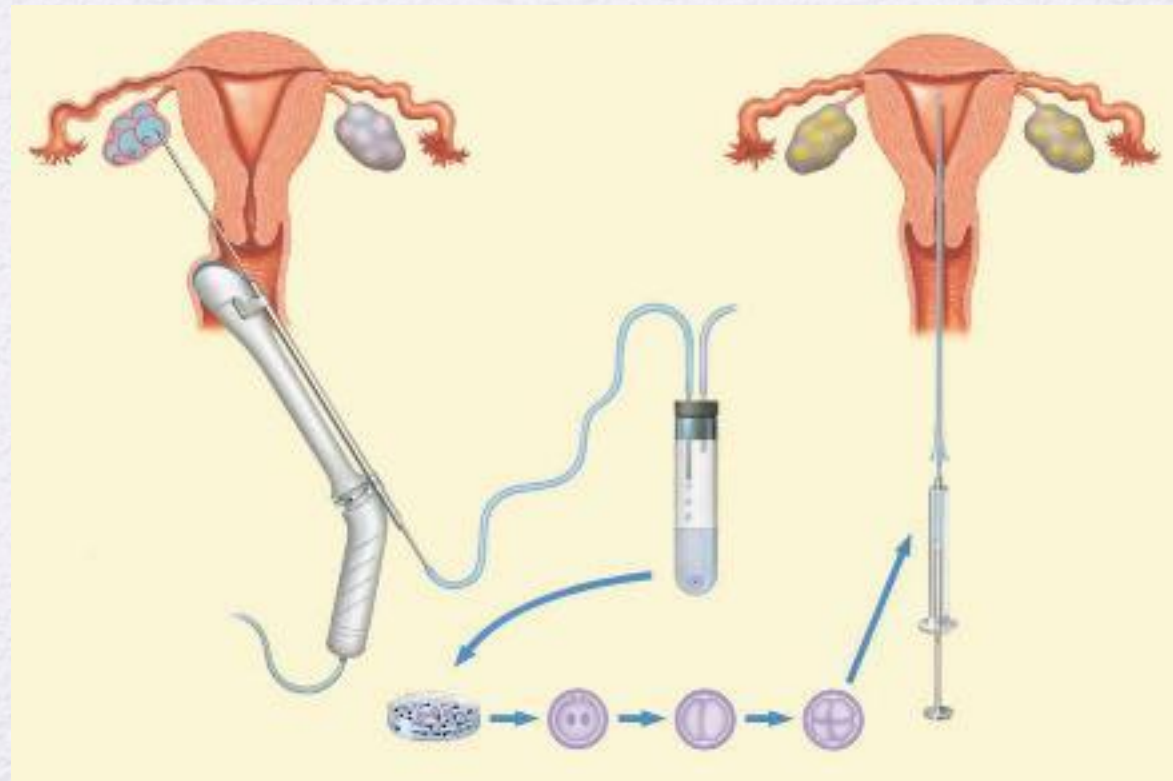
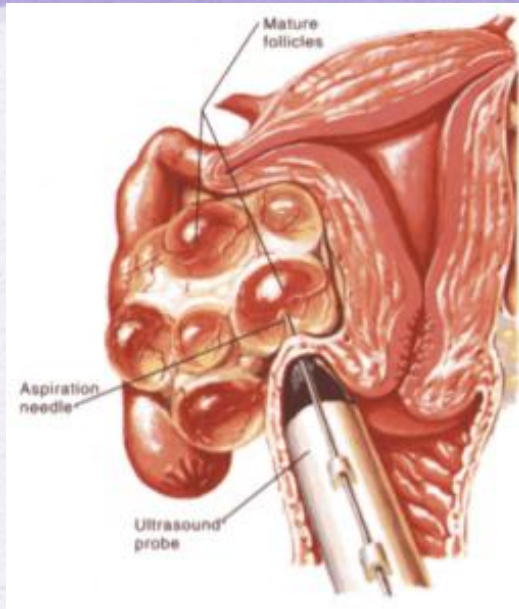
They will take a detailed history about your history and menstrual cycle

They may suggest you do some measures of your ovarian reserve (blood tests, AMH test, possibly TV US if you are comfortable with that)

Discuss options!

Reassure you, consider freezing eggs, donor eggs, gestational carrier ?

IVF



Good Video

- http://www.myoncofertility.org/animations/what_normal_female_fertility_and_how_it_affected_cancer_treatment

Web Resources

- Myoncofertility: www.myoncofertility.org
 - Canadian Fertility Andrology Society:
www.cfas.ca
 - The Oncofertility Consortium <http://oncofertility.northwestern.edu/>
- Livestrong: www.livestrong.org
- Fertile Hope: www.fertilehope.org
- Fertile Future: fertilefuture.ca



Thank You