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In Vitro Maturation of oocytes -Still experimental 1 birth reported in an adult cancer patient.

- Ovarian tissue Allo Transplant from a sibling bone marrow donor
- Whole ovary cryopreservation and re-implantation
 Animal data only
 Control of the second bit location Hum Reprod 2011; Wallace, Cancer 2011















Fertility Preservation -Surgical methods

Surgical sperm retrieval

- Small incision in the scrotum and extraction of sperm from the epididymis or testis
- Sperm can be obtained from Tanner stage II boys
- Roadblocks to surgical sperm retrieval
- Organization- OR time, access to cryopreservation
 Cost -\$2000
- Experimental methods
 - Testicular tissue cryopreservation and re-implantation (risk of transplanting malignant cells)

 - In vitro maturation
 - Success in rats and primates so far
 No viable options for pre pubertal boys

Interventions to Consider

Pre treatment

- Sperm banking
- Testicular aspirate
- Testicular biopsy?
- Post treatment
 - Semen analysis for counselling
 - Sperm banking only if have risk of relapse

- If have adequate sperm count at end of
- therapy it is not expected to decrease until late in life
- · Long term monitoring of testosterone levels if had radiation

