Fertility Sparing Treatment
(for Gynecologic Malignancies and Pre-malignancies)

INITIAL EVALUATION

Potential Candidate expresses interest in fertility sparing therapy
- Reproductive age (postmenarchal-45 years)
- Gynecologic malignancy or pre-malignancy
- Considered for fertility reasons

Gynecologic Oncology Provider to order:
- Anti-Mullerian Hormone (AMH)
- Transvaginal ultrasound with Antral Follicle Count (AFC), and
- Refer to Oncofertility Specialist for consultation

Oncofertility Specialist should consider the following when interpreting tests:
- Medical and fertility history
- Age
- Suppression Medications

Collaboration between Gynecologic Oncologist and Oncofertility Specialist for treatment planning/disposition

Results discussed with patient for treatment planning decisions based on the following probabilities:

**High Pregnancy Probability**
- Ultrasound shows at least 10 follicles between both ovaries
- AMH greater than or equal to 2
- Age under 35

**Low Pregnancy Probability**
- Prior history of infertility
- Previously failed fertility treatment
- Age over 42
- Abnormal testing

Patient to decide preferred treatment plan option:
- Conservative Treatment
- Traditional/Definitive care

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1 Endometrial hyperplasia, early endometrial cancer, early cervical cancer, early ovarian cancer, borderline tumors, etc.
2 Hormonal contraception, chronic corticosteroid use.
This practice algorithm has been specifically developed for MD Anderson using a multidisciplinary approach and taking into consideration circumstances particular to MD Anderson, including the following: MD Anderson’s specific patient population; MD Anderson’s services and structure; and MD Anderson's clinical information. Moreover, this algorithm is not intended to replace the independent medical or professional judgment of physicians or other health care providers.

APPENDIX A: Patient Education and Websites

MDACC Patient Education (available through patient education online)
Fertility Preservation Options for Men and Women
Fertility Options for Women During Cancer Treatment
Pathfinder--Fertility and Cancer: Provides a list of pamphlets, books and websites that are available to patients.
SUGGESTED READINGS


National Comprehensive Cancer Network (NCCN) Clinical Practice Guidelines for Adolescent and Young Adult (AYA) Oncology. [http://www.nccn.org/patients/guidelines/aya/index.html](http://www.nccn.org/patients/guidelines/aya/index.html)


This practice consensus algorithm is based on majority expert opinion of the Fertility Sparing Treatment for Gynecologic Malignancies and Pre-Malignancies Workgroup at the University of Texas MD Anderson Cancer Center. It was developed using a multidisciplinary approach that included input from the following medical, radiation and surgical oncologists.

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