Making Cancer History®

MDAnderson Endometrial Cancer Center Disclaimer: This algorithm has been developed for MD Anderson

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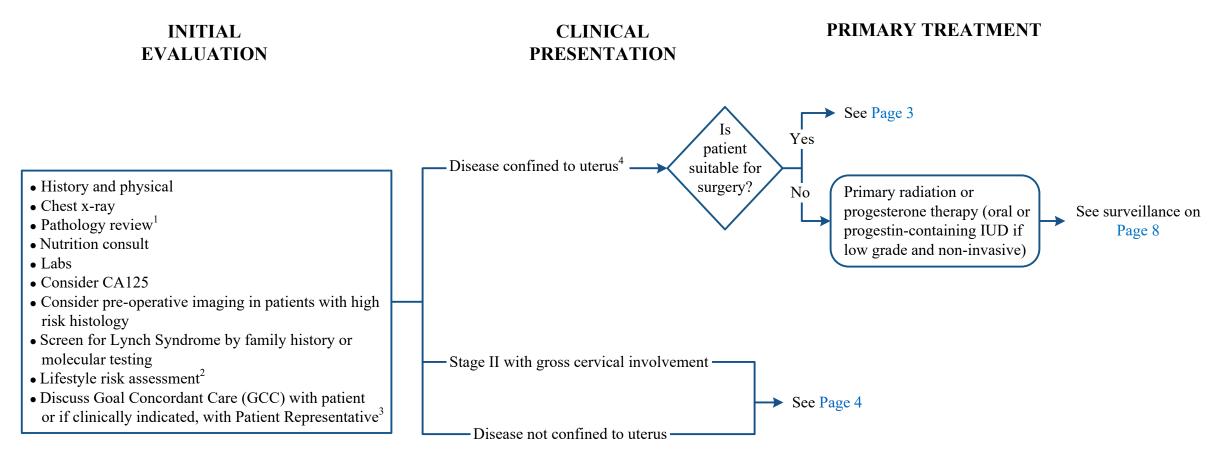


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Note: If available, Clinical Trials should be considered as preferred treatment options for eligible patients (www.mdanderson.org/gynonctrials). Other co-morbidities are taken into consideration prior to treatment selection.



IUD = intrauterine device

Note: Please reference the American College of Obstetricians and Gynecologists (ACOG) Guidelines

¹See MD Anderson Approved Biomarkers

² See Physical Activity, Nutrition, and Tobacco Cessation Treatment algorithms; ongoing reassessment of lifestyle risks should be a part of routine clinical practice

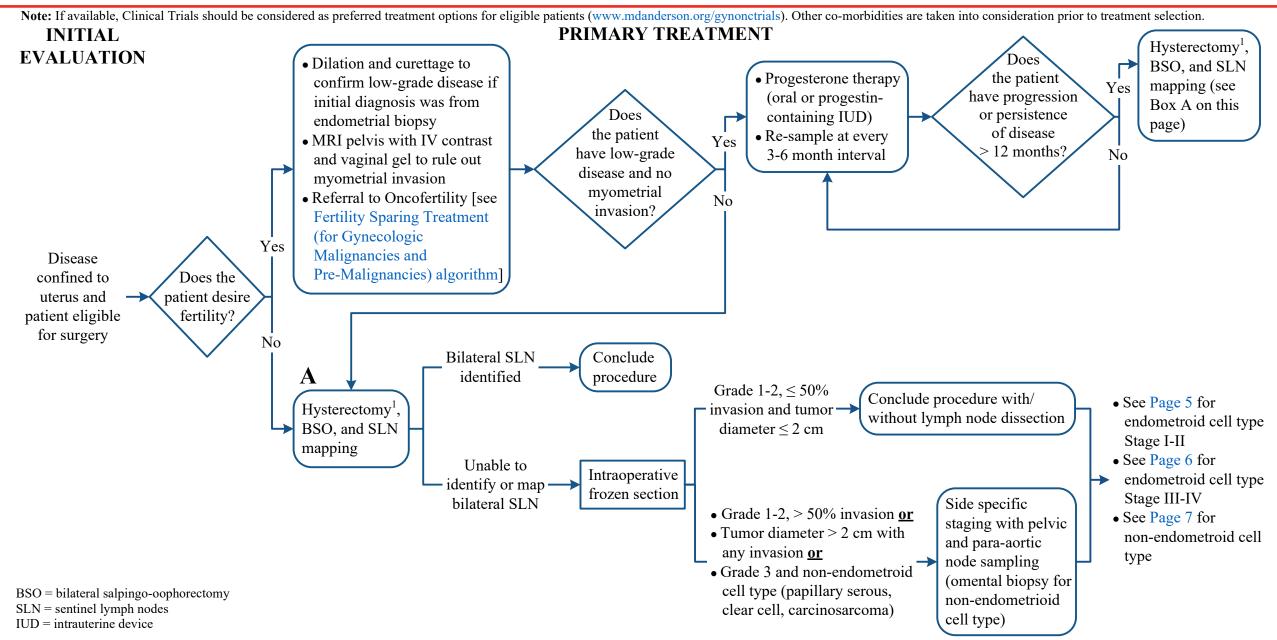
³ GCC should be initiated by the Primary Oncologist. If Primary Oncologist is unavailable, Primary Team/Attending Physician to initiate GCC discussion and notify Primary Oncologist. Patients, or if clinically indicated, the Patient Representative should be informed of therapeutic and/or palliative options. GCC discussion should be consistent, timely, and re-evaluated as clinically indicated. The Advance Care Planning (ACP) note should be used to document GCC discussion. Refer to GCC home page (for internal use only).

⁴MRI with vaginal contrast (gel preferred) is recommended to assess for myometrial, cervical invasion and assessment of extrauterine disease. PET/CT may help with lymph node involvement. PET/MR if available, may help in T staging, evaluation of lymph nodes, and distant metastasis. If none of these modalities are available, ultrasound can be performed.

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¹ Hysterectomy may be performed through open or minimally invasive techniques based on surgeon/patient discretion. Minimal invasive surgery is the preferred method of surgery.

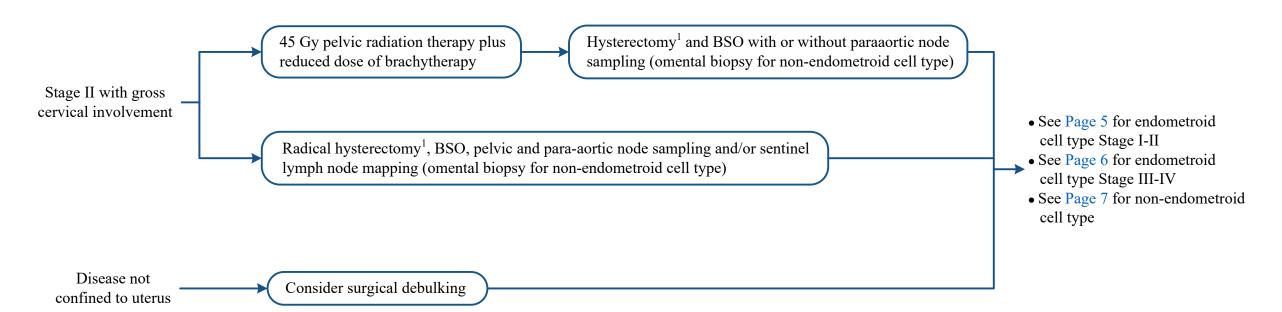
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CLINICAL PRESENTATION

PRIMARY TREATMENT



BSO = bilateral salpingo-oophorectomy

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¹ Hysterectomy may be performed through open or minimally invasive techniques based on surgeon/patient discretion

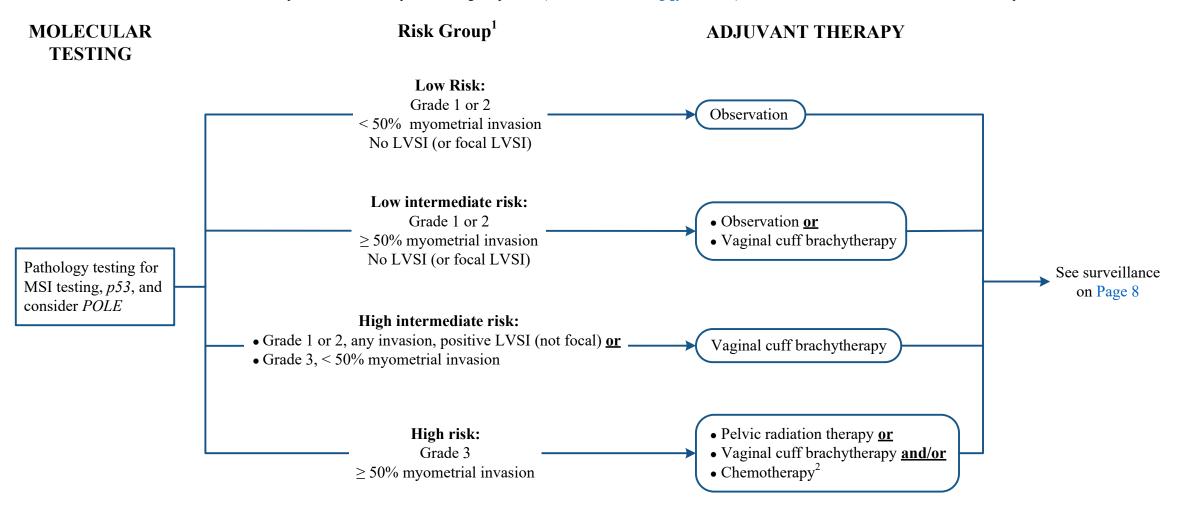
MDAnderson Endometrial Cancer (Endometroid Cell Type Stage I-II)

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LVSI = lymphovascular space invasion

¹ Imaging Considerations:

- CT abdomen and pelvis with IV, oral and rectal contrast. If high chance of recurrence, consider MRI pelvis with IV contrast and vaginal gel.
- For recurrence localization, consider PET/CT
- For distant disease, PET/CT may be useful. MRI will be helpful to assess the extent of locally recurrent disease.

² See Appendix A for Systemic Therapy

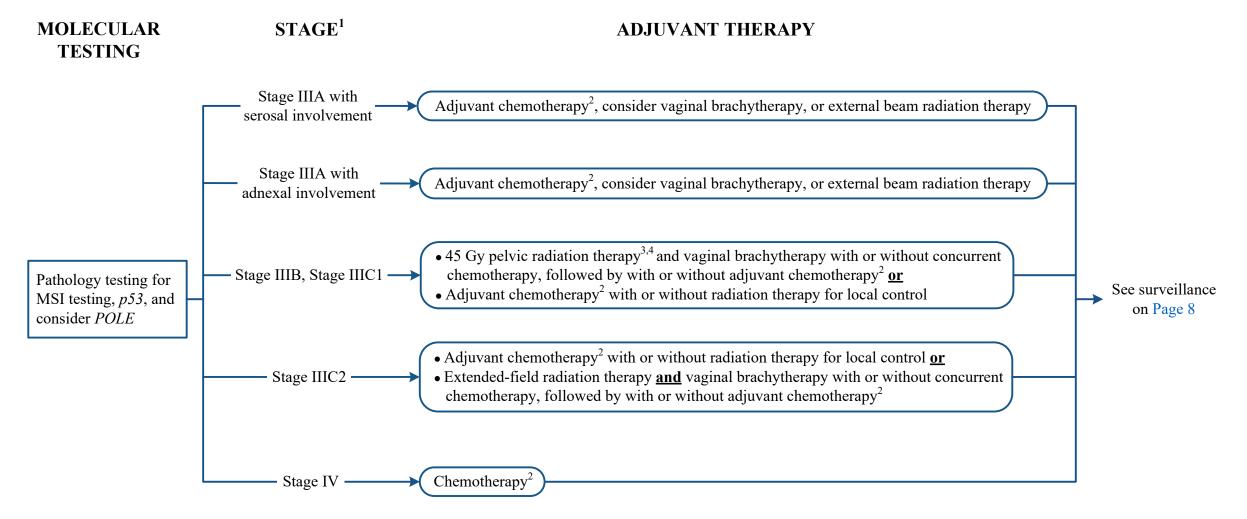
MDAnderson Endometrial Cancer (Endometroid Cell Type Stage III-IV)

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¹ Refer to International Federation of Gynecology and Obstetrics (FIGO) Staging: Berek, J. S., Matias-Guiu, X., Creutzberg, C., Fotopoulou, C., Gaffney, D., Kehoe, S., . . . Concin, N. (2023). FIGO staging of endometrial cancer: 2023. *International Journal of Gynecology and Obstetrics*, 162(2), 383-394. https://doi.org/10.1002/ijgo.14923

² See Appendix A for Systemic Therapy

³ Consider radiation alone in grade 1,2 patients

⁴ Higher dose than 45 Gy needs to be given for sites of ECE (extra-capsular nodal extension) and for any other residual suspicious nodes

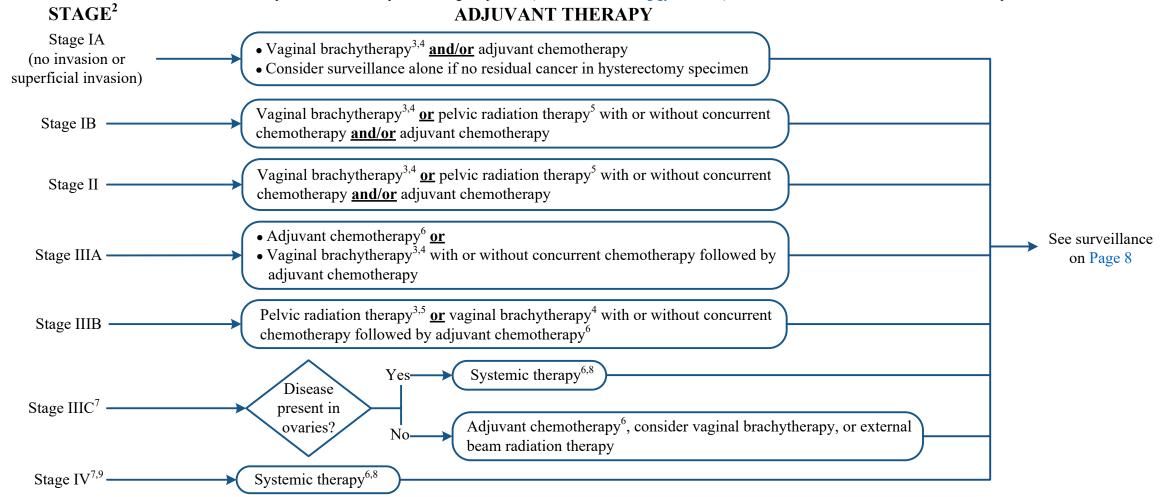


MDAnderson Endometrial Cancer (Serous Carcinoma¹, Clear Cell Carcinoma and Carcinosarcoma) Page 7 of 11

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¹ For serous carcinoma, consider human epidermal growth factor receptor 2 (HER2) testing

² Refer to International Federation of Gynecology and Obstetrics (FIGO) Staging: Berek, J. S., Matias-Guiu, X., Creutzberg, C., Fotopoulou, C., Gaffney, D., Kehoe, S., . . . Concin, N. (2023). FIGO staging of endometrial cancer: 2023. International Journal of Gynecology and Obstetrics, 162(2), 383-394. https://doi.org/10.1002/ijgo.14923

³ Preferred

⁴ Stage IA/IB/II/IIIA/IIIB vaginal brachytherapy: Consider MRI with contrast and vaginal gel to asses response

⁵ Consider concurrent paclitaxel for disease confined to the pelvis

⁶ For serous carcinoma, adjuvant systemic therapy with trastuzumab for HER2 positive tumors

⁷ Stage IIIC and IV: Consider PET/CT or contrast enhanced CT with oral and rectal contrast or PET/MR if available

⁸ See Appendix A for Systemic Therapy. For stage III/IV or recurrent HER2-positive uterine serous carcinoma, consider paclitaxel, carboplatin, and trastuzumab.

⁹ For stage IV with only bladder or rectal involvement without distant disease: Consider MRI with vaginal gel to assess response



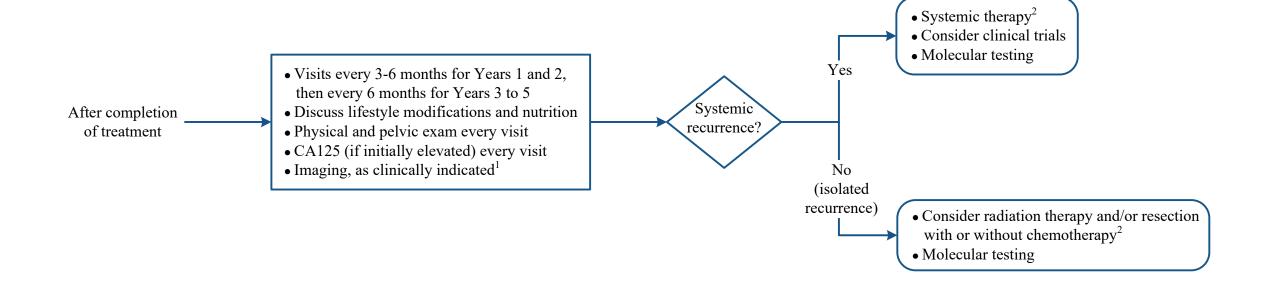
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SURVEILLANCE



Note: Please reference the American College of Obstetricians and Gynecologists (ACOG) Guidelines

Consider imaging with development of new symptoms, for patents with high risk for recurrence (e.g., positive pelvic nodes who received pelvic RT only)

² See Appendix A for Systemic Therapy

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APPENDIX A: Systemic Therapy

Multi-agent Chemotherapy	Single-agent IV Therapy	Hormonal Therapy	Maintenance Therapy
 Paclitaxel and carboplatin Paclitaxel, carboplatin, and trastuzumab (stage III/IV or recurrent HER2-positive uterine serous carcinoma) Paclitaxel, carboplatin, and pembrolizumab Paclitaxel, carboplatin, and dostarlimab-gxly Docetaxel and carboplatin Ifosfamide and paclitaxel¹ Cisplatin and ifosfamide¹ Cisplatin and gemcitabine Lenvatinib/pembrolizumab (for pMMR/MSS tumors) 	 Cisplatin Carboplatin Doxorubicin Liposomal doxorubicin Paclitaxel Nab-paclitaxel Topotecan Bevacizumab Temsirolmus Docetaxel Ifosfamide (carcinosarcoma) Pembrolizumab (for MSI-H/dMMR tumors) 	 Everolimus and letrozole Alternating megestrol acetate and tamoxifen Megestrol acetate Medroxyprogesterone acetate Letrozole 	 Trastuzumab Pembrolizumab Dostarlimab

dMMR = deficient mismatch repair pMMR = proficient mismatch repair MSI-H = high levels of microsatellite instability

MSS = microsatellite stable

¹ For carcinosarcoma, consider ifosfamide/paclitaxel or cisplatin/ifosfamide

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DEVELOPMENT CREDITS

This practice algorithm is based on majority expert opinion of the Endometrial Cancer providers at the University of Texas MD Anderson Cancer Center. It was developed using a multidisciplinary approach that included input from the following:

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