Ovarian Cancer Surgery

Algorithms

Algorithm 1: Epithelial Ovarian Cancer Surgery
Algorithm 2: Advanced Epithelial Ovarian Cancer Surgery
Algorithm 3: Advanced Epithelial Ovarian Cancer Surgery after decision for neoadjuvant chemotherapy
Algorithm 1: Epithelial Ovarian Cancer Surgery

1. Rule out secondary and non epithelial ovarian tumors

2. Epithelial ovarian cancer

3. Surgical skills and resources available?
   - No
   - Yes

   **Stage FIGO I-IIA**
   - Total abdominal hysterectomy and bilateral salpingo-oophorectomy (BSO)*
   - Comprehensive surgical peritoneal and retroperitoneal staging **

   **Stage FIGO IIB-IV**
   - Consider fertility preservation in selected young patients, with exceptions for retroperitoneal staging
   - (see specific recommendations on surgery of early stage ovarian cancer)

Algorithm 2

Send patient to a multidisciplinary unit with surgery meeting the ESGO quality indicators. Do not abuse neoadjuvant therapy

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Algorithm 2: Advanced Epithelial Ovarian Cancer Surgery

FIGO IIB-IIIB*

- Upfront debulking surgery aiming at complete resection*

FIGO IIIC-IV

- Patient fit for extended radical surgery?
  - Yes
  - Neoadjuvant chemotherapy (NACT) (or palliation)
  - No
  - Pathological assessment
    - Risk-benefit assessment
      - Tumor extent compatible with primary debulking surgery?
        - Yes
        - No
          - Algorithm 3

* With exceptions for IIIB (eg poor patient condition or very extensive miliary disease on the bowel for whom NACT may be preferable)
Algorithm 3: Advanced Epithelial Ovarian Cancer Surgery after decision for neoadjuvant chemotherapy

Later reassessment. Surgery on individual basis

No surgery

Progressive disease

NACT 3 courses

No progressive disease

Patient still not fit for surgery, or persistence of tumor spread incompatible with complete resection *

Patient fit for major surgery, and tumor spread compatible with complete resection *

Interval debulking surgery

*refer to recommendations on surgery for advanced (FIGO stage III-IV) invasive epithelial ovarian cancer