

A video presentation of robotic-assisted infrarenal aortic lymphadenectomy and pelvic lymphadenectomy for endometrial staging using a single docking procedure

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X TÜRK ALMAN
JİNEKOLOJİ
KONGRESİ
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ENDOMETRIAL CANCER

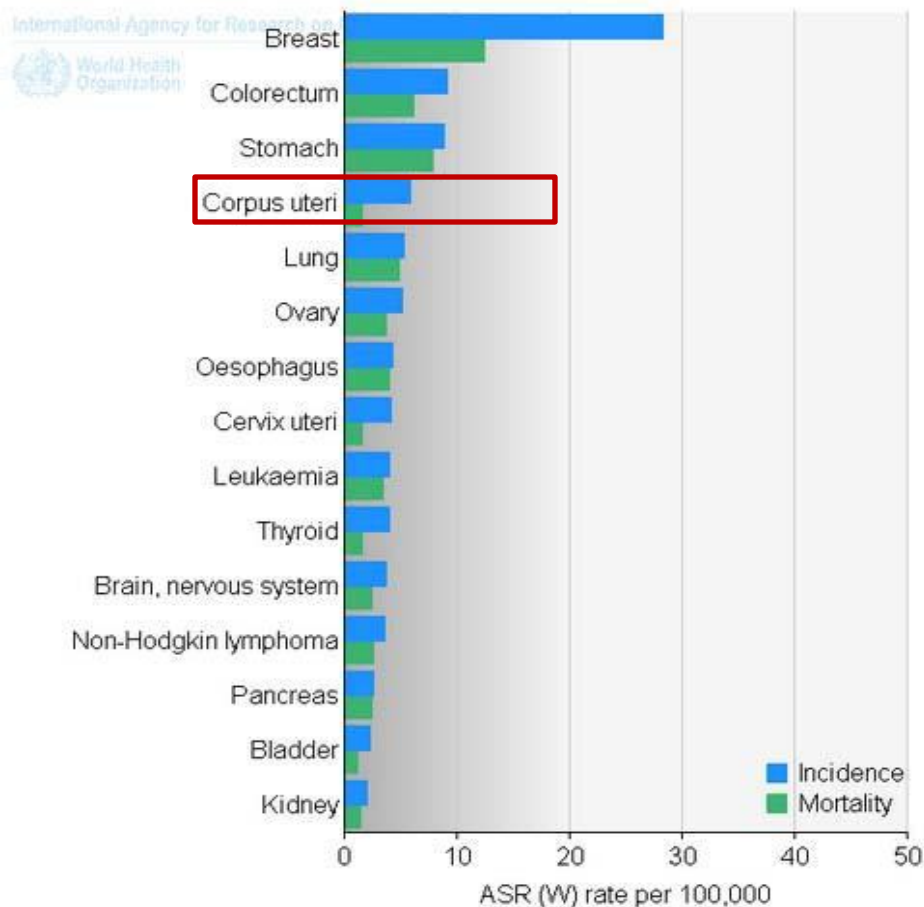
- The most common gynecologic cancer
- 75% of diagnosis at stage I-II
- Overall 5 year survival rate → 75%
- About 2% to 3% of women develop endometrial cancer during their lifetimes.



The Most Frequent Cancers in Women: Incidence and Mortality

Turkey (Globocan 2008*)

Most frequent cancers: women



| Cancer | Incidence | | Mortality | |
|--|-----------|---------|-----------|---------|
| | Number | ASR (W) | Number | ASR (W) |
| Lip, oral cavity | 543 | 1.6 | 217 | 0.6 |
| Nasopharynx | 169 | 0.5 | 94 | 0.3 |
| Other pharynx | 108 | 0.3 | 83 | 0.2 |
| Oesophagus | 1490 | 4.3 | 1394 | 4.0 |
| Stomach | 3013 | 8.8 | 2705 | 7.9 |
| Colorectum | 3116 | 9.1 | 2136 | 6.2 |
| Liver | 509 | 1.5 | 490 | 1.5 |
| Gallbladder | 648 | 1.9 | 620 | 1.8 |
| Pancreas | 880 | 2.6 | 854 | 2.5 |
| Larynx | 168 | 0.5 | 83 | 0.2 |
| Lung | 1784 | 5.2 | 1639 | 4.8 |
| Melanoma of skin | 380 | 1.1 | 165 | 0.5 |
| Breast | 10065 | 28.3 | 4311 | 12.4 |
| Cervix uteri | 1443 | 4.2 | 556 | 1.6 |
| Corpus uteri | 1937 | 5.8 | 519 | 1.6 |
| Ovary | 1804 | 5.2 | 1247 | 3.7 |
| Kidney | 673 | 2.0 | 466 | 1.4 |
| Bladder | 822 | 2.3 | 426 | 1.2 |
| Brain, nervous system | 1322 | 3.7 | 850 | 2.4 |
| Thyroid | 1465 | 4.0 | 551 | 1.6 |
| Hodgkin lymphoma | 349 | 0.9 | 234 | 0.6 |
| Non-Hodgkin lymphoma | 1265 | 3.6 | 918 | 2.6 |
| Multiple myeloma | 429 | 1.3 | 369 | 1.1 |
| Leukaemia | 1402 | 4.0 | 1228 | 3.5 |
| All cancers excl. non-melanoma skin cancer | 39311 | 112.8 | 24512 | 71.1 |

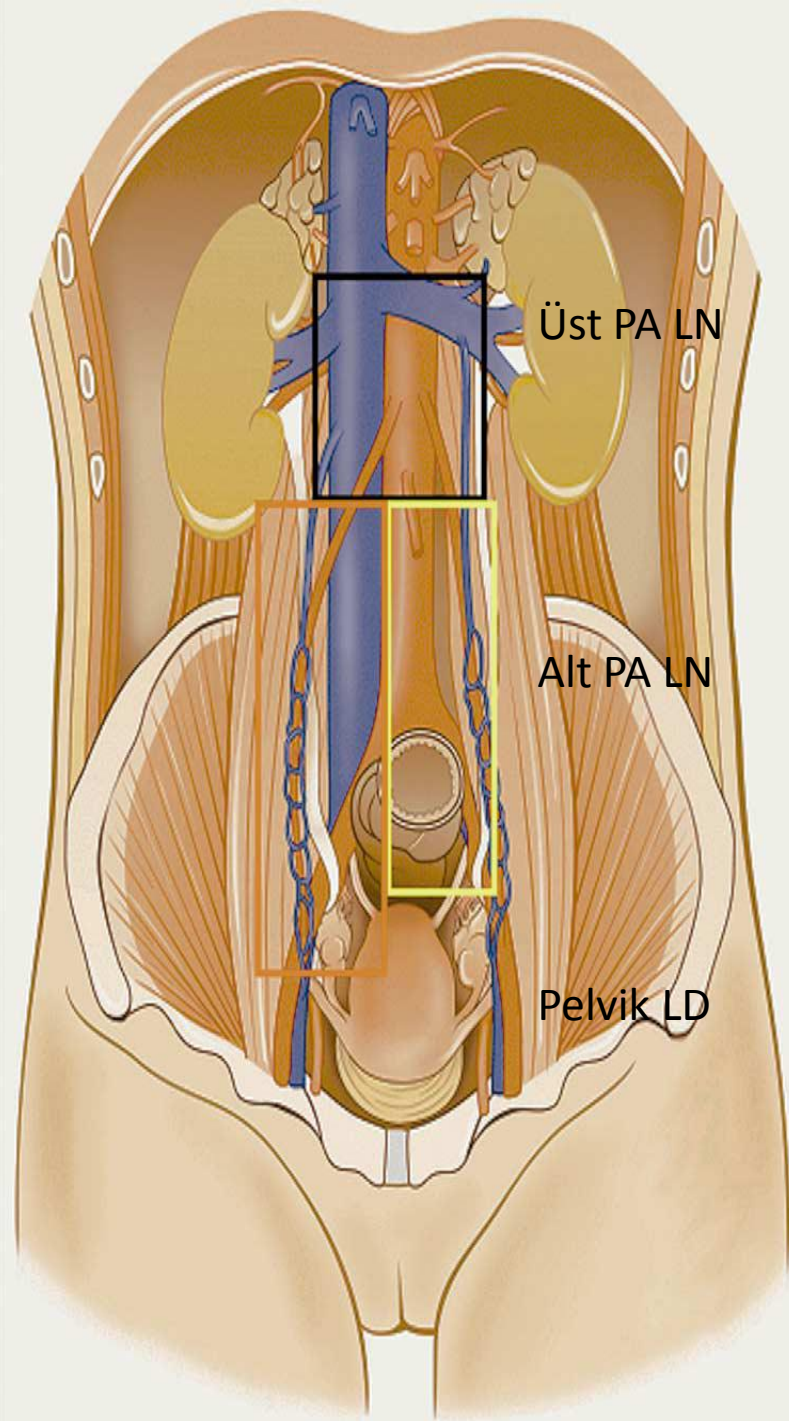
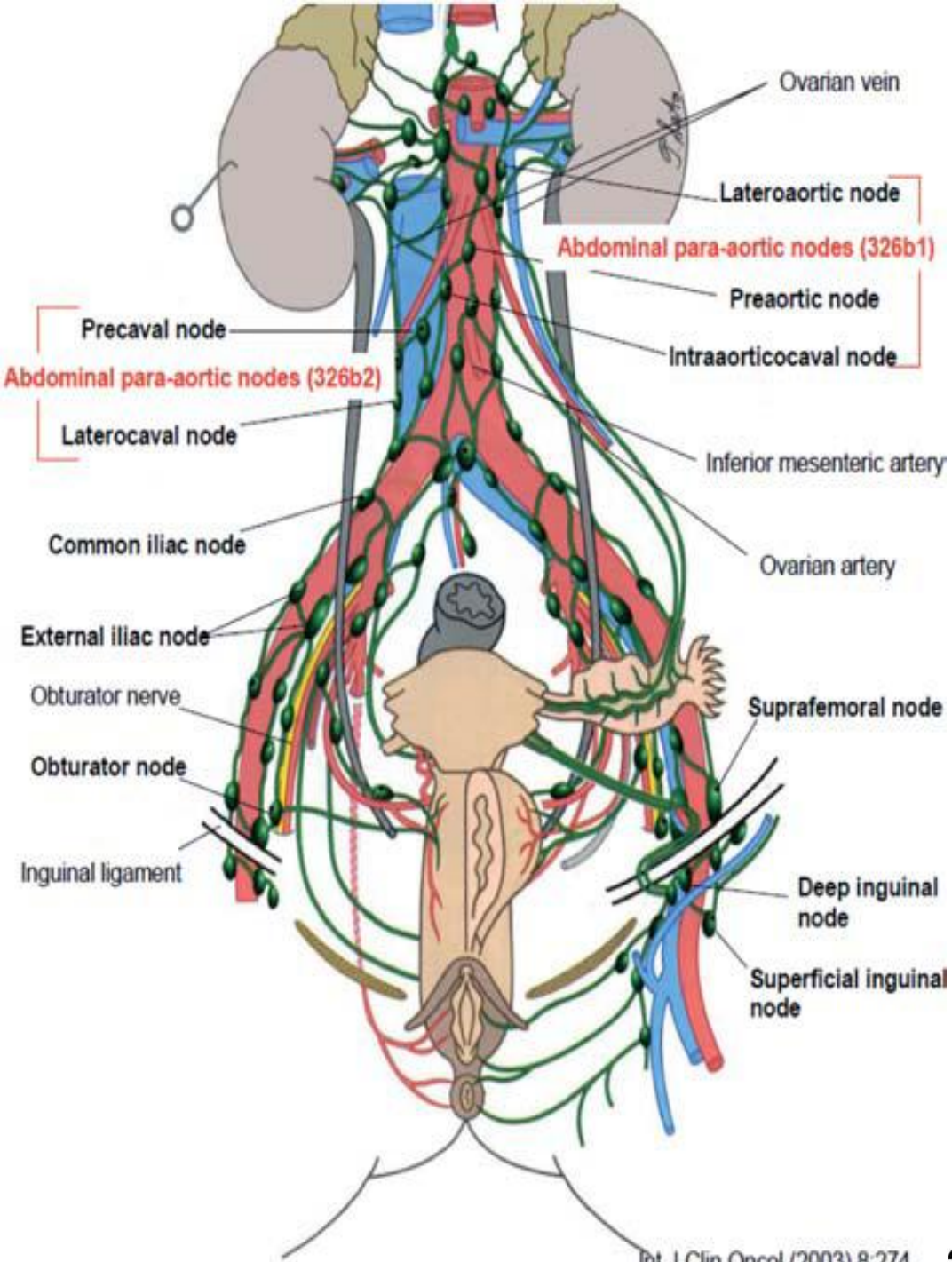
TABLE 2

A comparison of the old and new FIGO classifications (www.bgcs.org.uk)

| New | FIGO | Old |
|---|-------|--|
| Tumor confined to corpus uteri | I | Tumor confined to corpus uteri |
| Tumor limited to endometrium or invades less than one-half of myometrium | IA | Tumor limited to the endometrium |
| Tumor invades one-half or more of the myometrium | IB | Tumor invades less than half of the myometrium |
| — | IC | Tumor invades one-half or more of the myometrium |
| Tumor invades stromal connective tissue of the cervix but does not extend beyond the uterus ^{*1} | II | Tumor extends into the uterine cervix but does not extend beyond the uterus |
| — | IIA | Tumor confined to the endocervical glands |
| — | IIB | Tumor invades the cervical stroma |
| Local and/or regional spread | III | Local and/or regional spread |
| Tumor involves serosa and/or adnexa ^{**2} | IIIA | Tumor involves serosa and/or adnexa and/or tumor cells in ascites or peritoneal lavage |
| Involvement of the vagina and/or parametrium | IIIB | Involvement of the vagina |
| Pelvic and/or para-aortic lymph node involvement | IIIC | Pelvic and/or para-aortic lymph node involvement |
| Positive pelvic lymph nodes | IIIC1 | — |
| Positive para-aortic lymph nodes, with or without positive pelvic lymph nodes | IIIC2 | — |
| Infiltration of the vesical and/or rectal mucosa | IVA | Infiltration of the vesical and/or rectal mucosa |
| Distant metastases | IVB | Distant metastases |

*1 Only endocervical glandular involvement counts as FIGO

**2 Positive cytology should be noted separately but does not change the FIGO stage



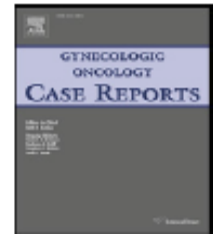
Prospective assessment of lymphatic dissemination in endometrial cancer: A paradigm shift in surgical staging

Andrea Mariani, Sean C. Dowdy, William A. Cliby, Bobbie S. Gostout,
Monica B. Jones, Timothy O. Wilson, Karl C. Podratz *

- Tumor size >2 cm
- Grade 3
- Myometrial invasion >50%
- Non-endometrioid histology



Infrarenal paraaortic lymphadenectomy



Robotic-assisted infrarenal aortic lymphadenectomy and pelvic lymphadenectomy for endometrial staging using a single docking procedure

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Table 1
Demographic and clinical data of the patients.

| Patient number | 1 | 2 | 3 | 4 | 5 | 6 |
|--------------------------|-----|------|-----------------|-----|-----|------|
| Age (years) | 39 | 65 | 54 | 59 | 67 | 50 |
| BMI (kg/m ²) | 19 | 22.6 | 30.5 | 44 | 34 | 31.2 |
| Grade | II | III | III | II | II | II |
| Operation time (min) | 235 | 240 | 254 | 220 | 180 | 215 |
| Console time (min) | 218 | 220 | 229 | 195 | 160 | 190 |
| PLND time (min) | 88 | 99 | 85 | 80 | 65 | 93 |
| Docking time (min) | 3 | 3 | 4 | 3 | 3 | 3 |
| EBL (ml) | 40 | 30 | 80 | 50 | 70 | 50 |
| Hospital stay (day) | 2 | 3 | 4 | 3 | 2 | 3 |
| Total LN count | 41 | 86 | 68 | 60 | 36 | 52 |
| Paraaortic LN count | 15 | 32 | 37 | 37 | 11 | 21 |
| Pelvic LN count | 26 | 54 | 31 | 23 | 25 | 31 |
| Paraaortic LN status | Ng | Ng | Ng | Ng | Ng | Ng |
| Complication | – | – | Chylous ascites | – | – | – |

EBL: estimated blood loss, Ng: negative, LN: lymph node, PLND: para aortic lymph node dissection.





Robotik sađ paraaortik lenfadenektomi

