



LAPAROSCOPIC PARA-AORTIC LYMPHADENECTOMY



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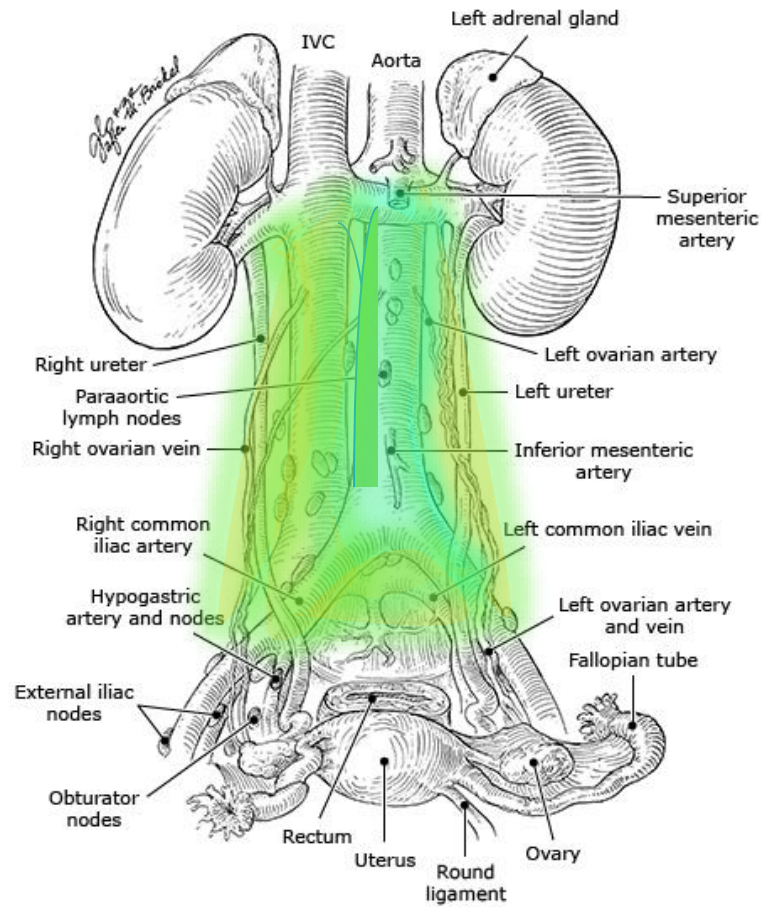
Laparoscopic Para-aortic Lymphadenectomy

- Selective
 - Systemic
 - Transperitoneal
 - Extraperitoneal
 - Inframesenteric
 - Infrarenal
-
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Para-aortic Lymphadenectomy



Laparoscopic Transperitoneal para-aortic lymphadenectomy.

Necessary elements

1-Knowledge of the retroperitoneal anatomy

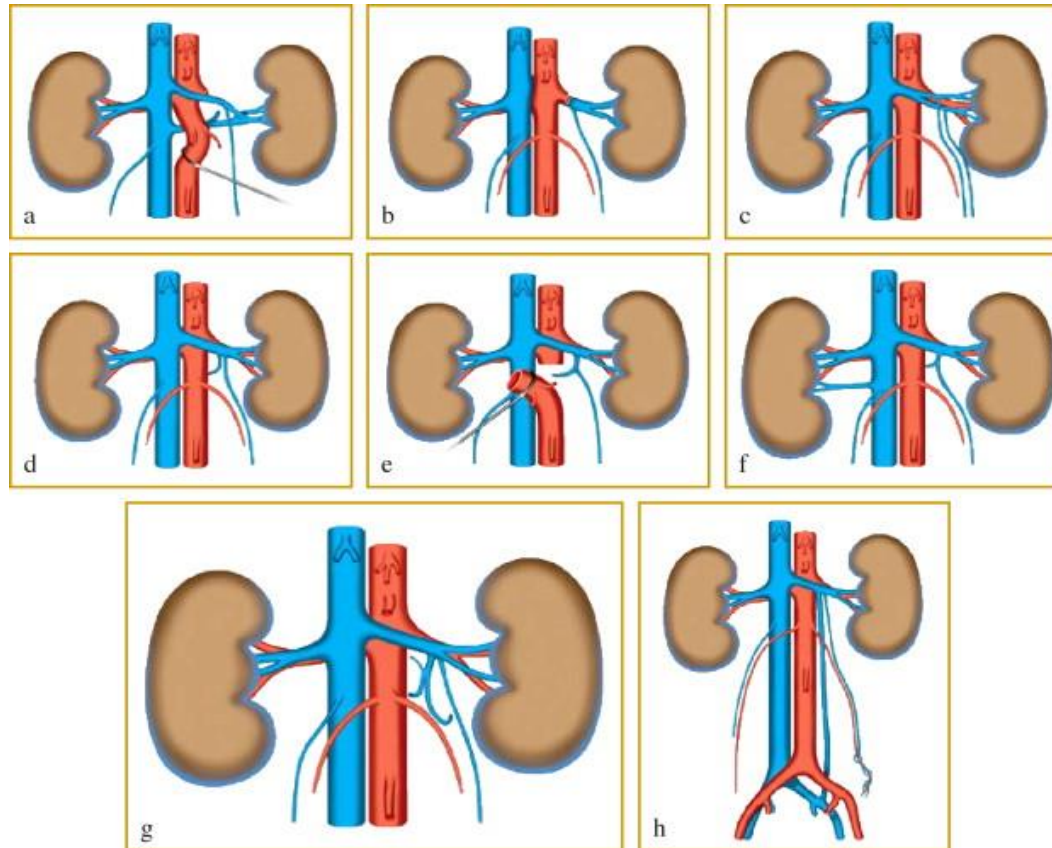
- Vessels, ureter, neural, Lymphatics, potential spaces, anomalies (30%)..

2-Surgical ability

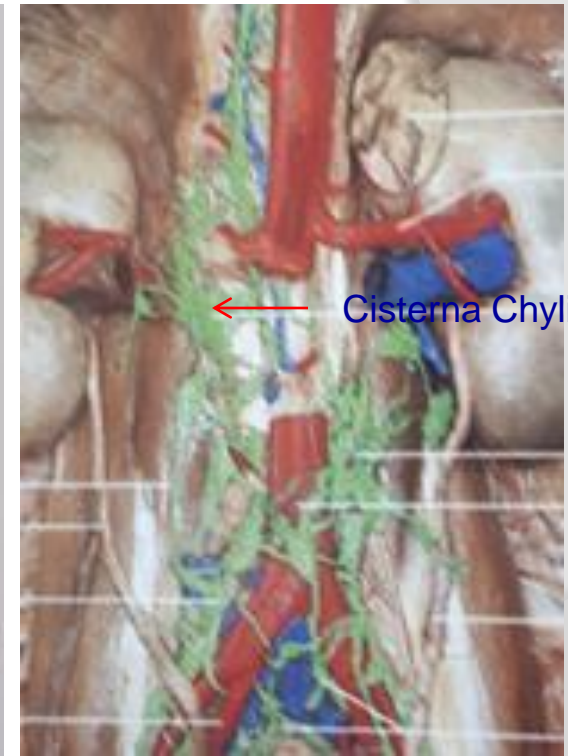
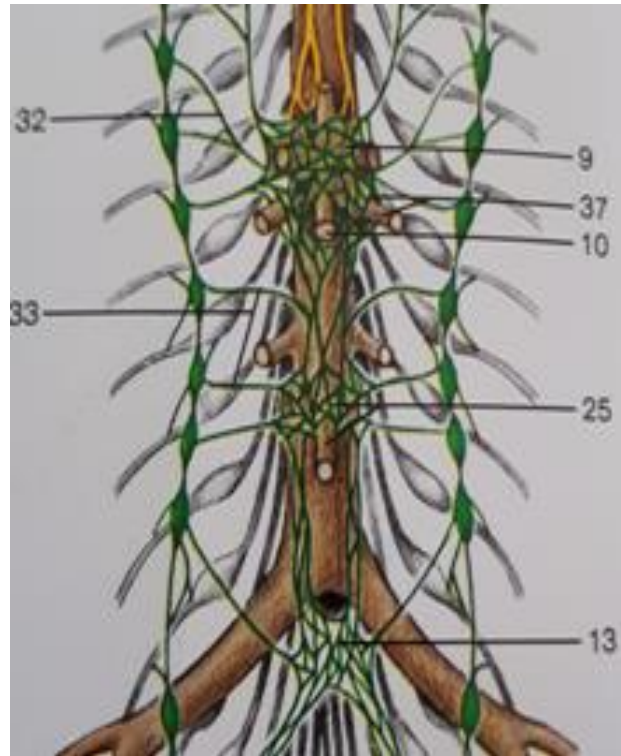
- Learning curve

3-Oncologic Meaning

Vascular anomalies in the paraaortic region



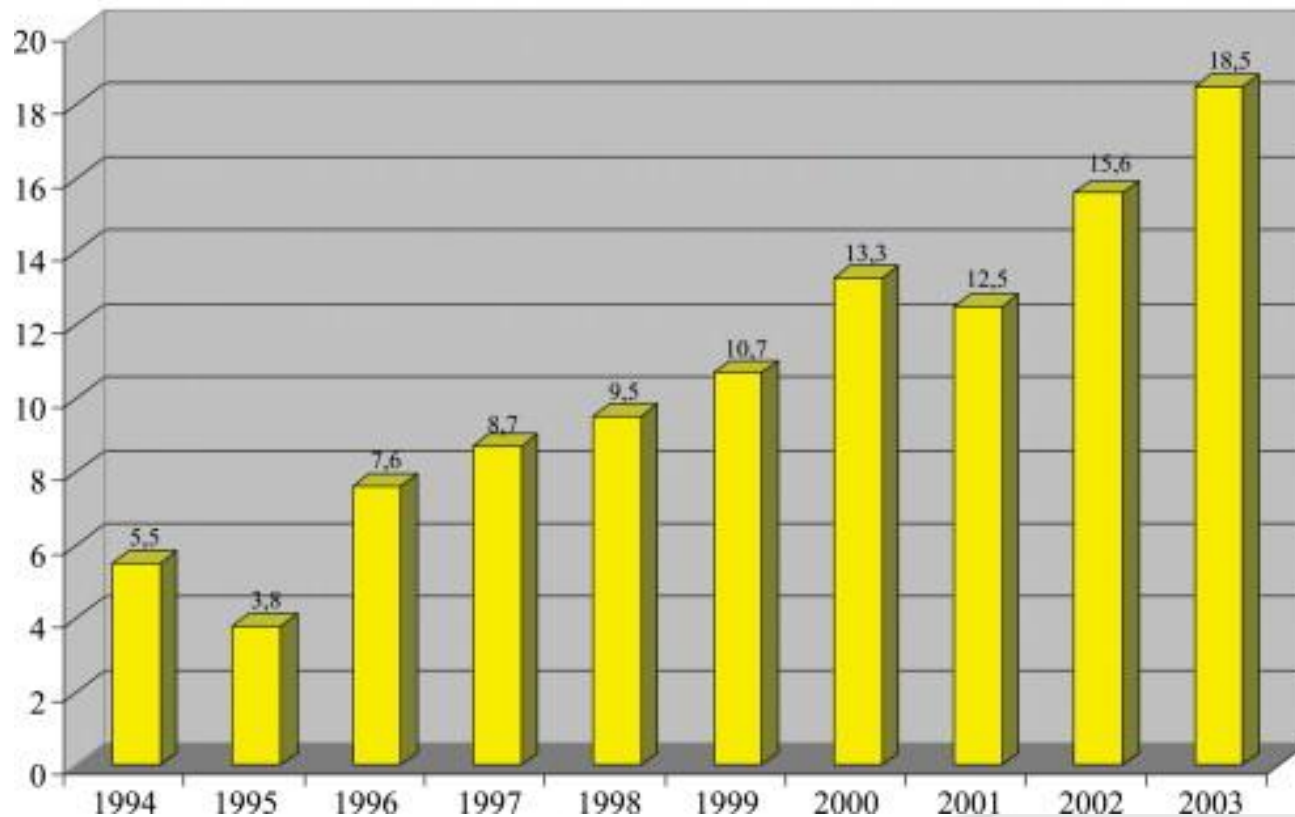
Para-aortic region



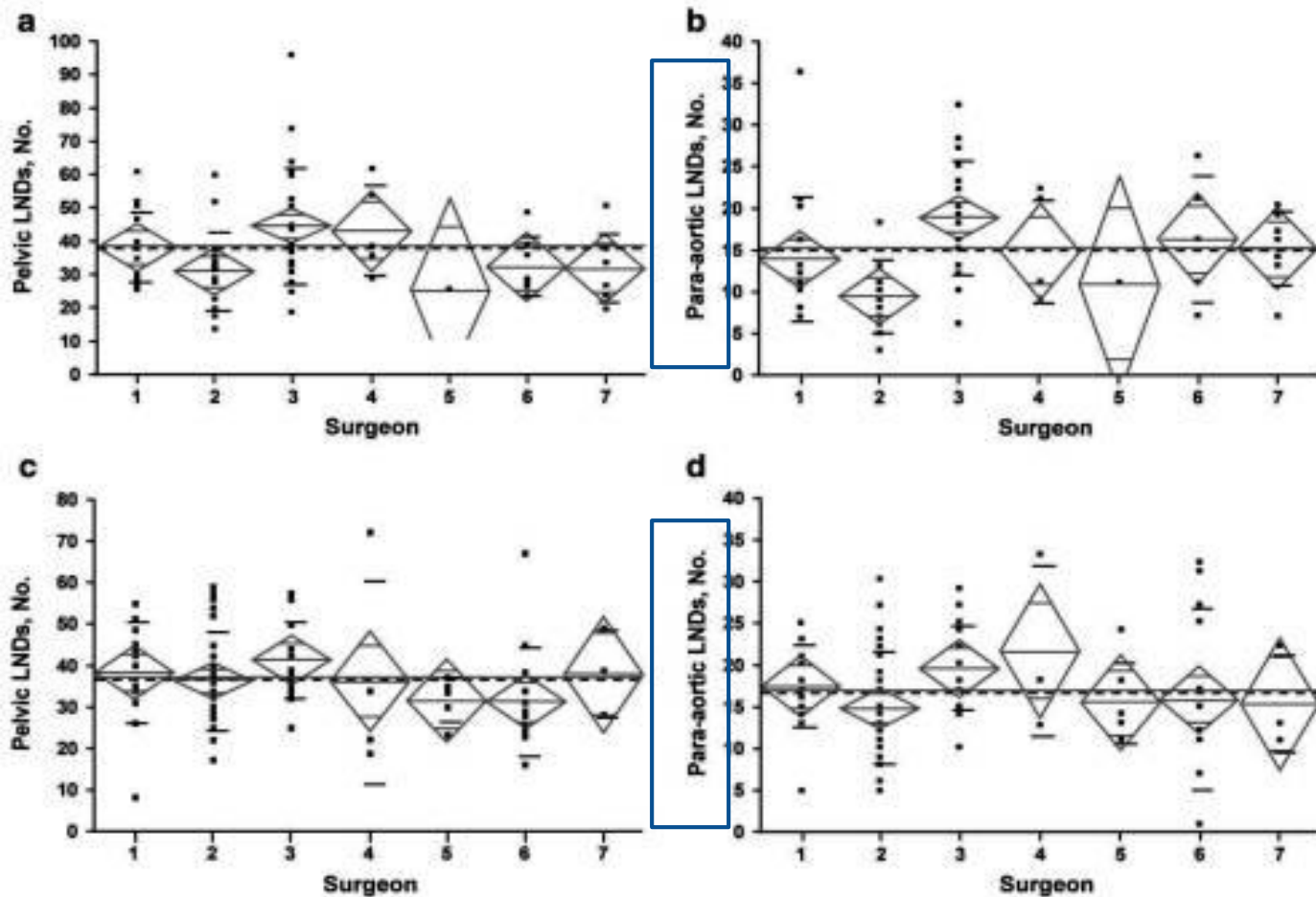
Mattuschka

Learning Curve

removed paraaortic lymph nodes (average)



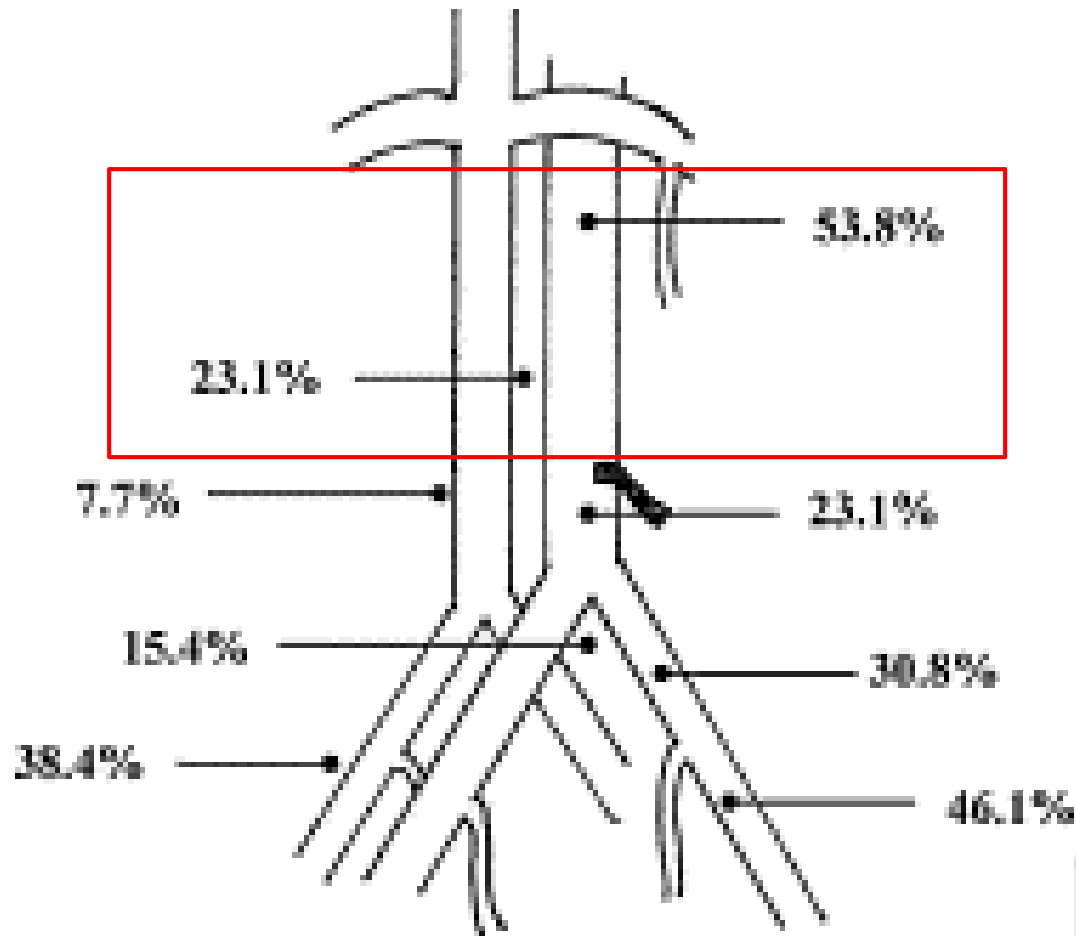
Prospective assessment of lymphatic dissemination in endometrial cancer: a paradigm shift in surgical staging



The Role of Para-Aortic Lymphadenectomy in the Surgical Staging of Women with **Intermediate and High-Risk Endometrial Adenocarcinomas**

- Patients in the PPALN group who had less than 10 para-aortic nodes removed were twice as likely to recur than patients who had 10 or more para-aortic nodes or patients in the PLN group
- If systematic para-aortic lymphadenectomy is performed and less than 10 para-aortic lymph nodes are obtained, multimodality adjuvant therapy should be considered to improve DFS.

Systematic pelvic and aortic lymphadenectomy in intermediate and high-risk endometrial cancer:



L/S Para-aortic Lymphadenectomy

Step1: Trocar placements

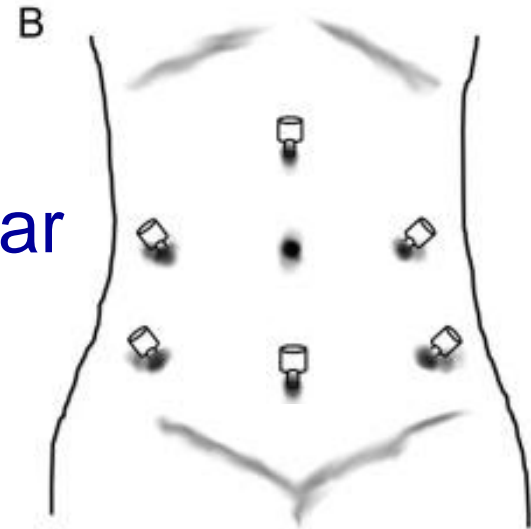
Step2: Peritoneal incision.

Step3: Peritoneal elevation and fixation

Step4: Anterior dissection ,Major vascular anatomy, hypogastric nerve

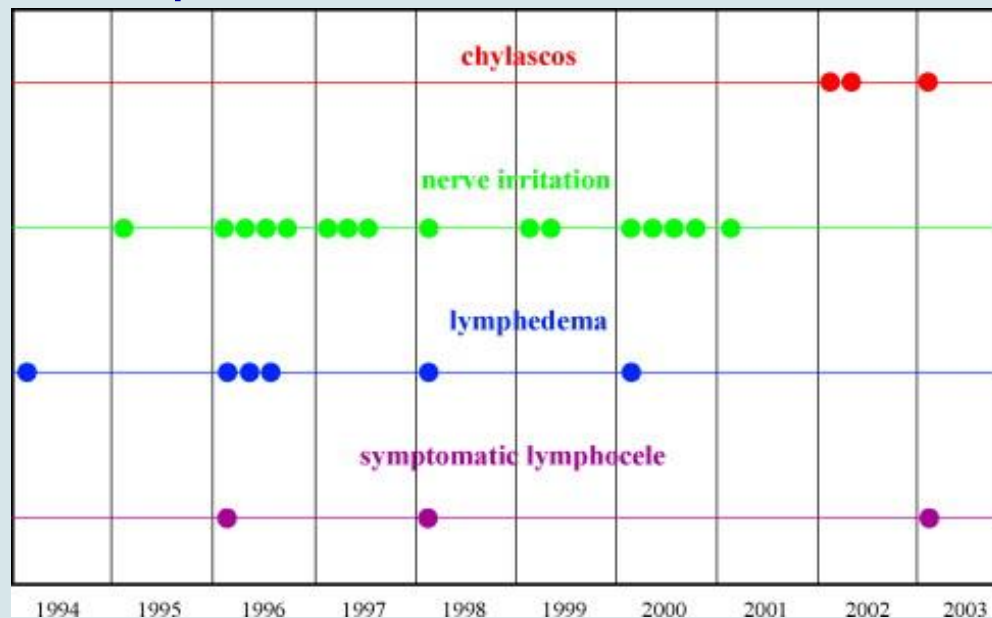
Step5: Lymphatic tissue dissection

Step6: Complications



Analysis of 650 laparoscopic pelvic and/or paraaortic transperitoneal lymphadenectomies

The overall complication rate was 8.7% with 2.9% intraoperative (vessel or bowel injury) and 5.8% postoperative complications.



Distribution of **postoperative complications** between 1994 and 2003.

VIDEO

**Laparoscopic Transperitoneal
Para-aortic Lymphadenectomy**
