DAMAGE TO THE GENITAL TRACT DUE TO ENDOMETRIOSIS AND CANCER THERAPY

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DAMAGE TO THE GENITAL TRACT DUE TO ENDOMETRIOSIS AND CANCER THERAPY
THE CULPRITS

- Endometriosis
- Ovarian Cancer
- Cervical Cancer
- Anal Cancer
TREATMENT MODALITIES

- Surgery
- Hormonal Therapy
- Chemotherapy
- Radiation Therapy
INSTRUMENTS OF THE DAY

- Laser
- Ultrasonic Aspiration
- Laparotomy
- Laparoscopy
- Robotic
SURGERY

• Maximal Resection of Disease
DESTRUCTION OF THE PELVIC STRUCTURES AND PLANES
EARLY OVARIAN CANCER

- Unilateral Salpino-Oophorectomy
- Pelvic/Periaortie Lymph Node Dissection
- Omentectomy
- Peritoneal Biopsies
One Third of Early Ovarian Cancers are Upstaged Surgically

Young RC et al. JAMA, 1983: 200:3072-76
CERVICAL CANCER

- Trachelectomy
  - Vaginal
  - Abdominal
- Bilateral Pelvic Node Dissection
ENDOMETRIOSIS

- Ovarian
- Peritoneal
- Bowel
- Diaphragm
- Uterosacral
- Appendix
FAILURE OF RESECTION
Remember The Deep Lesions
AVASCULAR SPACES OF THE PELVIX
WHO CARES?
WHY❓❓❓

• Endometriosis
• Pelvic Inflammatory Disease
• Pelvic Mass
• Leiomyomata Uteri
• Oncology
AVASCULAR SPACES OF THE PELVIS

- Space of Retzius
- Vesica – Vaginal Space
- Paravesical Space
- Pararectal Space
- Rectovaginal Space
- Presacral Space
VESICOVAGINAL SPACE

Lateral - Bladder Pillars
Anterior - Bladder
Posterior - Vaginal/Cervix/Uterus
PARVESICAL SPACE

Anterior  - Pelvis
Medial    - Obliterated Vessels
Lateral   - Iliac Veins
Posterior - Parametrium
Inferior  - Levator Muscles
PARARECTAL SPACES

Medial - Ureter
Lateral - Hypogastric Artery
Anterior - Parametrium
Inferior - Levator Muscles
RECTO-VAGINAL SPACES

Anterior  - Vagina/Cervix/Uterus
Posterior - Rectum
Lateral    - Ureter/Iliac/Vessels
PRESACRAL

Anterior - Rectum
Posterior/Inferior - Sacrum
Lateral - Ureter/Common Iliac Vessels
DAMAGE TO THE GENITAL TRACT

- Preserve Fertility
- Utilize Minimally Invasive Technology
- Remove the Disease