Anatomy Of Pelvic Pathology

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Disclosures

- Principal Investigator in the VIRTUS Trial (NCT02112877) (VENITI, Inc., St. Louis, MO USA).

Anatomy

- Central Venous Disease
- Pelvic Congestion Syndrome
- Nutcracker Syndrome


Central Venous Disease

- Acute thrombosis – acute vs. chronic
- Central venous compression
- Pelvic tumor / abscess / phlegmon
- Uterine pathology
- Aortoiliac aneurysm
- Postoperative hematoma
- Osteophyte
- Retroperitoneal fibrosis


May-Thurner


May-Thurner Anatomy


IVUS – Intraluminal Anatomy

> 50 % surface area reduction

Pelvic Congestion Syndrome

- Multiparity
- Positional pelvic pain
- Dysparunia
- Premenopausal state
- Ovarian point tenderness
- Gluteal / vulvar / perineal varices
- LE varicose veins emanating from upper inner thigh 2nd to pudendal collaterals

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Pelvic Compression Syndrome

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PCS – CT and MR

- ≥ 4 tortuous parauterine veins with > 4mm diameter
- Ovarian vein > 8mm
- Time resolved MR

May demonstrate ovarian vein reflux

Summary

- Anatomy of Pelvic Pathology is...
  - EXTRINSIC COMPRESSION
  - Gonadal / hypogastric reflux
  - R/O EXTRINSIC COMPRESSION

Nutcracker Syndrome

- Anatomy of Pelvic Pathology is...
  - EXTRINSIC COMPRESSION
  - Gonadal / hypogastric reflux
  - R/O EXTRINSIC COMPRESSION
Thank You