

EP12.24: Flushes Are Not Always Menopause – A Case Report of a Rare Ovarian Neuroendocrine Tumor

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Introduction:

Neuroendocrine tumors (NETs) are rare neoplasms, most commonly found in the lungs and gastrointestinal tract. Primary ovarian NETs are exceedingly rare. When functional, they can produce carcinoid syndrome, with symptoms that may be misattributed to other conditions such as menopause.

Case Report

64-year-old nulliparous woman presenting with **new-onset intense facial flushing**, with a history of right oophorectomy for Brenner tumor

Key Diagnostic Findings

Laboratory tests

Elevated 5-hydroxyindoleacetic acid, 5-HIAA (7.1 mg/24h) and chromogranin A: 823 ng/mL

Gynecological ultrasound | Abdominopelvic MRI

Solid lesion in the left ovary (16×10×11 mm), color score 1 | See Image

Surgical intervention: Robotic-assisted total hysterectomy and left adnexectomy

Outcome: Symptomatic relief and normalization of 5-HIAA and chromogranin A levels

Conclusion:

This case highlights that in women with **new-onset facial flushing**, **primary ovarian NET—though rare—should be considered** in the differential diagnosis. The presence of **elevated biomarkers** and **resolution** of symptoms **after surgery** support the diagnosis. **Gynecological ultrasound was crucial** in identifying the suspected ovarian lesion.