

## The First Reported Case of Endometrial Mesonephric-like Carcinoma with an Isolated Ocular Metastasis.

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### Introduction:

Choroidal metastases from gynaecological primaries are extremely uncommon. To our knowledge, this is the first reported case of an endometrial adenocarcinoma of the uterine corpus with an isolated ocular metastasis.

### Presenting Complaint:

A 59-year-old woman presented with a subacute onset of right mono-ocular blurred vision. Fundoscopy revealed a dark irregular mass at the posterior pole of the eye. A pre-operative staging CT-Thorax/Abdomen/Pelvis noted a 9.4cm uterine mass consistent with a fibroid. The patient underwent enucleation for a presumed choroidal melanoma however the histology indicated a dramatically different picture; namely **a moderately differentiated adenocarcinoma**.

### Investigations:

#### Radiology – Pre-enucleation

**CT TAP:** 9.4cm uterine mass consistent with a fibroid

#### Radiology – Post-enucleation

**CXR:** NAD

**Mammography:** NAD

**Breast MRI:** : NAD

#### Endoscopy:

**Bronchoscopy:** NAD

**Oesophageal Gastroduodenoscopy:** NAD

**Colonoscopy:** NAD

#### Tumour Markers:

<b>AFP</b>	7.3kU/L	(0 to 5.8)
<b>CEA</b>	8.8ug/L	(0 to 3.5)
<b>CA 15-3</b>	89.0kU/L	(0 to 40)
<b>CA125</b>	215.0kU/L	(0 to 35)
<b>CA 19-9</b>	218.0kU/L	(0 to 37)

### Gynaecology History:

- Past Medical History of Fibroids.
- 20 year history of Intermenstrual Bleeding (IMB)
- Mirena Coil inserted two years previous with minimal change to bleeding pattern.
- Cervical smears- up to date and normal

### Gynaecology Examination:

- Abdominal examination; palpable pelvic mass
- PV exam; a bulky uterus and a non-tender right adnexal mass.
- Cervix , vulva and vagina appeared normal

### Endometrial Biopsy:

Pipelle Biopsy yielded high-grade malignant epithelial cells consistent with the histology reported from the enucleated specimen.

### Ultrasound Pelvis:

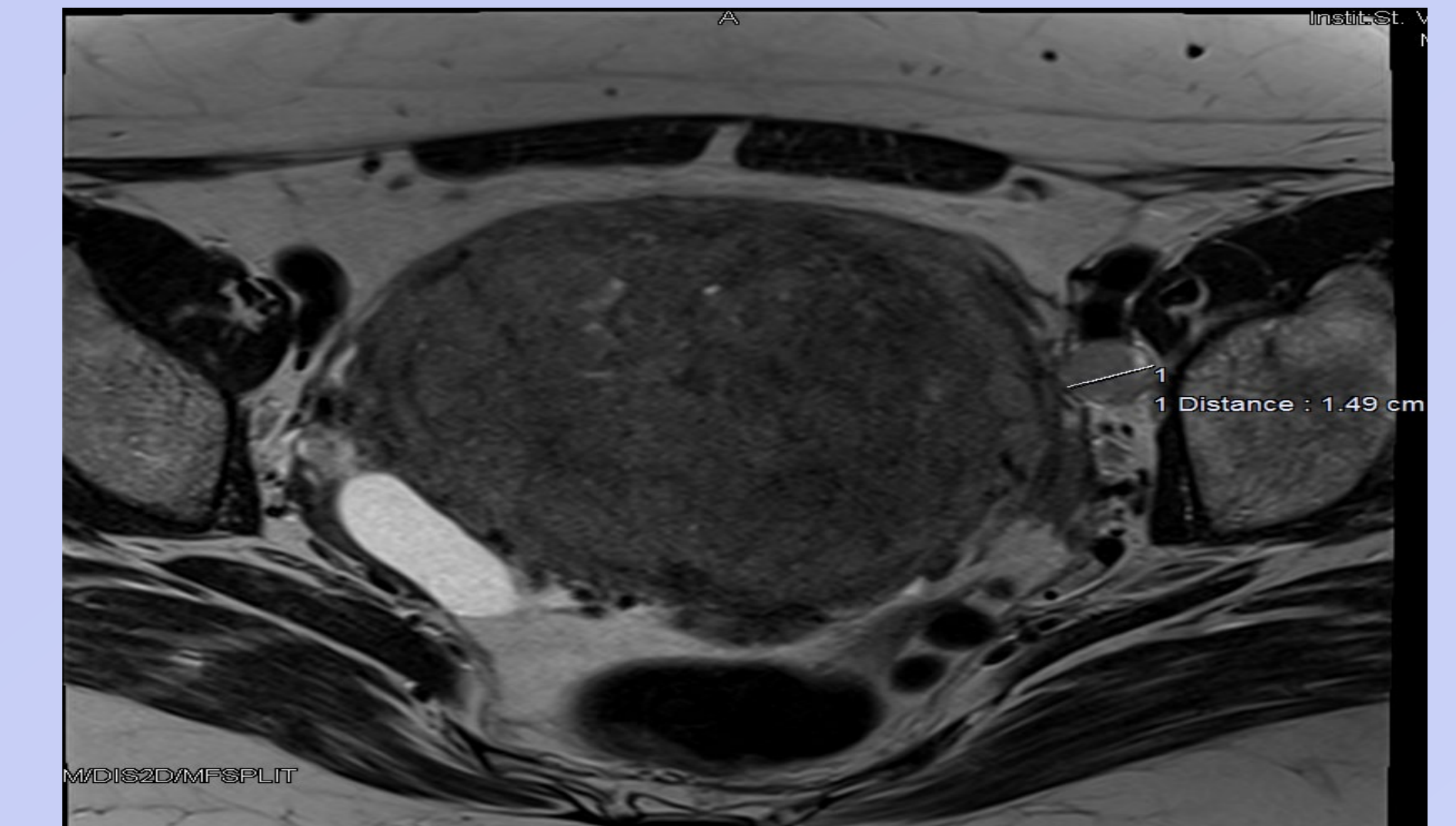
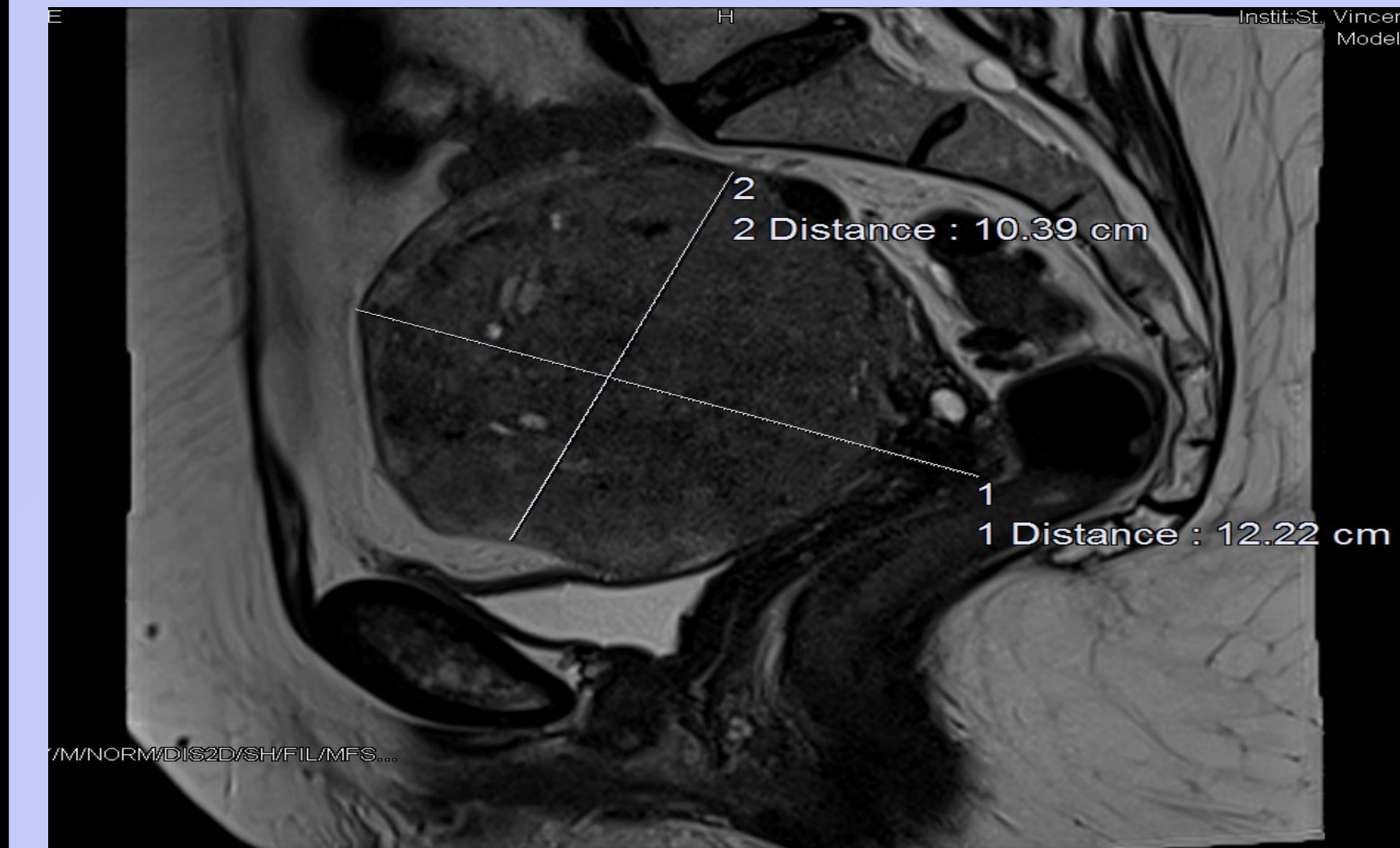
**US Pelvis:** showed a large anterior myometrial mass suggestive of a fibroid.

### CT Thorax Abdomen Pelvis:

**CT Thorax Abdomen Pelvis :** showed a large anterior myometrial mass suggestive of a fibroid.

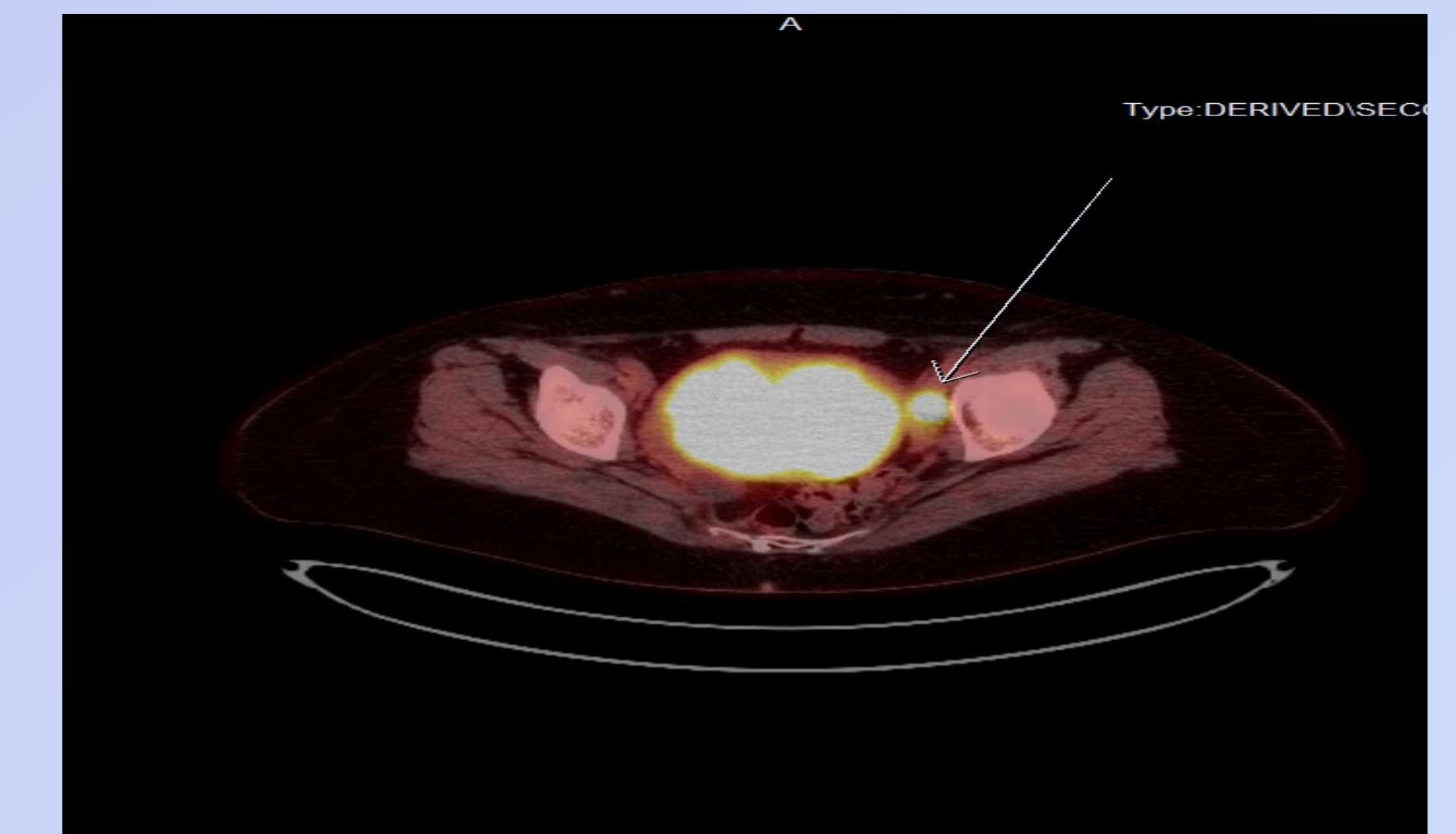
### MRI Pelvis:

MRI Pelvis revealed a 12.2x10.4cm uterine mass and two suspicious left sidewall lymph nodes



### PET CT:

A PET CT showed increased tracer uptake throughout the uterus, consistent with high grade malignant disease . Furthermore, it confirmed no activity outside the pelvis.



### Conclusion:

A total abdominal hysterectomy with right salpingo-oophorectomy was performed. Histopathology concluded that these findings were consistent with **mesonephric-like adenocarcinoma of the uterine corpus** which was ultimately staged as FIGO Stage II, pT2N1M1. This case highlights the importance of multidisciplinary input to provide high standards of care for patients with complex rare diagnoses.