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We have nothing to disclose			











What is your diagnosis			
Papillary proliferation of endometrium			
EIN			
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# Papillary proliferationSimple papillary proliferations• Postmenopausal women• Associated with polyp• Non branching papillae lined by<br/>bland epithelium













































































# Epidemiology and clinical features of (UDEC)

### • Rare

- Younger women with median age of 55
- Higher association with Lynch syndrome
- Abnormal MMR expression (up to 50%)Presents with postmenopausal bleeding
- Most are large polypoid intrauterine masses, often involving LUS
- Highly aggressive with recurrence and death in 55-95%



# Common features • Monomorphic population of cells • No obvious differentiation • Small to medium size • Discohesive pattern • Associated with myxoid stroma







# DDx for dedifferentiated carcinoma

- Carcinosarcoma
- Endometrioid carcinoma grade 2 or 3
- · Serous carcinoma of uterus







### DDx: endometrioid carcinoma grade 2/3

### Morphology

- Glandular and solid components usually intermixed
- but can be distinct
- Solid and glandular component with similar degree of atypia
- Immunohistochemistry
- Cytokeratin
- PAX 8
- ER and PR
- Vimentin can be focally positive
- E-cadherine





### • AE1/AE3

• p53 mutation

• PAX8

- Cohesive
- Slit like spaces
- Focal papillary arrangement
  - E-cadherin



Characteristic	FIGO 3	Undifferentiated	Serous carcinom
CV19	Strong	Eacol and patchy	Strong
ER and PR	Strong	Weak or abreat	Weak or abreat
EMA	Strong	Focal and patchy	Strong
Vimentin	Strong	Negative	Negative
Escadharin	Strong	Negative	Strong
P53	Wild type pattern*	<10 % Aberrant expression	Aberrant expression
p16	Negative, rare cases positive	Negative, rare cases positive	Strong
PAX8	Positive	Negative	Positive
Pancytokeratin.	Positive	Negative	Positive
CK 7	Positive	Negative	Positive
Microsatellite instability	Positive	Positive	Negative
*Up to 1/3 of high j cytokeratin 18, ER- es antigen, CK7-cytokera	Positive grade endometrioid can trogen receptor, PR- pr atin7	Positive cinomas can have aberro ogesterone receptor, EN	Negative ant expression CK1 IA- epithelial memb





- Recently described entity with overlapping morphology with UDEC
  Sheets of medium to large epithelioid cells
- Rhabdoid morphology common
- Corded and phyllodiform architecture
- · Members of the switch/sucrose non-fermenting complex which is involved in chromatin remodeling.
- SMARCB1 (INI1)
- Found in tumors with rhabdoid feature
- SMARCA4 (BRG1)
- Small cell carcinoma of the ovary, hypercalcemic type



## DDx: SMARCA4-deficient uterine sarcoma

- Prominent nuclear pleomorphism
- · Phyllodiform architecture present
- p53 and MSI less common
- SMARCA4 and SMARCB1 more common







