







Mullerian papilloma of the uterine cervix

Upper vagina or cervix, usually posteriorly

Associated with vaginal bleeding or discharge

Almost exclusively in children, typically aged 2–5 years

Finely branching fibrous papillae lined by a single layer of attenuated, cuboidal to columnar epithelial cells

Squamous, tubal metaplasia or hobnailtype cells may be present

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Features Favoring Microglandular-like Endometrial Carcinoma over MGH

- Postmenopausal status
- Large amount of biopsy material, large cribriform structures
- Endometrial tissue in the same specimen (stroma)
- Mitotic figures
- Luminal squamous metaplasia vs. basal
- "Shared party walls" (cribriforming)
- Other patterns of endometrial carcinoma

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- Well-demarcated laminar
 proliferation of endocervical glands
- Dense acute and chronic inflammatory infiltrate
- No/reactive cytologic atypia, no or rare mitoses



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Mesonephric remnants/hyperplasia

- Embryonic remnants of mesonephric duct
- Located deep in the lateral cervical wall
- Detected in as many as 20% of cervices
- Lobular arrangement, some around long central ducts
- Medium-sized tubules

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- Cuboidal cells with scant eosinophilic cytoplasm
- Dense eosinophilic PAS-positive mucin positive secretions





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Tuboendometrioid metaplasia

- Architecturally normal endocervical glands with ciliated cells, pseudostratified non-ciliated cells, and intercalated/peg cells
- May be associated with previous instrumentation



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Stratified mucin-producing intraepithelial lesion (SMILE) – subtype of AIS

- Stratified epithelium with mucin throughout all cell layers and (frequently) a peripheral cuff of basaloid/reserve cells
- Resembles HSIL involving endocervical glands



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Periglandular stromal reaction (usually focal), inflammation

Cytologically atypical glands (<u>by definition focal</u>) –may merge into obvious gastric-type adenoca

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Endometrioid adenocarcinoma • Primary in the cervix very rare • May arise in endometriosis???

- p16 negative
- $\circ~$ No apical mitoses/ apoptotic bodies
- Endometrial carcinoma involving cervix – much more common
- If it is cervical likely mucindepleted usual type HPV-associated adenocarcinoma
- Diagnosis of exclusion
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Glandular Lesions of the Cervix, Dr. Olga loffe, June 12, 2025



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