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# Management of papillomas diagnosed on CNB

 "The decision to excise a papillary lesion without atypia needs to be individualized based on risk, including such criteria as size; symptomatology, including palpability and presence of nipple discharge; and breast cancer risk factors. Those not excised should be followed closely with imaging"

(American Society of Breast Surgeons Consensus Guideline on Concordance Assessment of Image-Guided Breast Biopsies and Management of Borderline or High-Risk Lesions )

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Benign lesions with papillary/sclerosing component Intraductal papilloma and its variants
Complex sclerosing lesion/radial scar Adenomyoepithelioma
Intraductal papilloma with ADH
Intraductal papilloma with DCIS
Papillary DCIS
Encapsulated papillary carcinoma (with or without definite invasion)
Solid papillary carcinoma (with or without definite invasion)

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## Adenomyoepithelioma

- "Rare biphasic neoplasm characterized by small epithelium-lined spaces with inner luminal ductal cells and a proliferation of variably enlarged and clearly noticeable myoepithelial cells" WHO 2019
- Lobulated, tubular and papillary architectural patterns
- AME with predominantly papillary pattern may mimic IDP with myoepithelial hyperplasia



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# Outline

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Papillary DCIS
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Papilloma with DCIS
<ul> <li><i>"Focal population of monotonous cells with cytological and architectural features of low-grade ductal neoplasia"</i></li> <li>&gt;3 mm within an intraductal papilloma</li> </ul>
<b>(</b> WHO 2019)
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# Encapsulated papillary carcinoma

- Previously known as "intracystic" or "encysted" (not recommended for use)
- Post-menopausal women, most in seventh decade of life
- Solitary, often central/retroareolar palpable mass
- With or without bloody nipple discharge

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## Solid Papillary Carcinoma

- Older patients
- Solitary, often central, mass
- One or several closely apposed expansile nodules surrounded by fibrous wall
- May be referred to as
  - Endocrine ductal carcinoma in situ
  - Neuroendocrine ductal carcinoma in situ
  - Spindle cell ductal carcinoma in situ

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	EPC	SPC
Nodule(s)	One	Usually multiple
Architecture	With cystic component	Solid
Capsule	Well defined (well, usually ☺)	III-defined, thin or none
Internal fibrovascular cores	Obvious (but thin)	Inconspicuous
Epithelial cells	Columnar	Polygonal
Neuroendocrine differentiation	Absent	Present
Extracellular mucin	Absent	Present
Unequivocal invasion	Uncommon	

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## Invasion in solid papillary carcinoma

Cases with extracellular mucin reminiscent of mucinous carcinoma even if confined within encapsulated architecture: considered as having coexisting invasive carcinoma



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