

CONTINUING EDUCATION IN TOXICOLOGIC PATHOLOG REPRODUCTIVE SYSTEM

ORGANIZED BY SOCIETY FOR TOXICOLOGIC PATHOLOGY IN INDIA (STPI)

OCTOBER 29-31, 2010

The Atria Hotel, #1, Palace Road, Bangalore - 560 001











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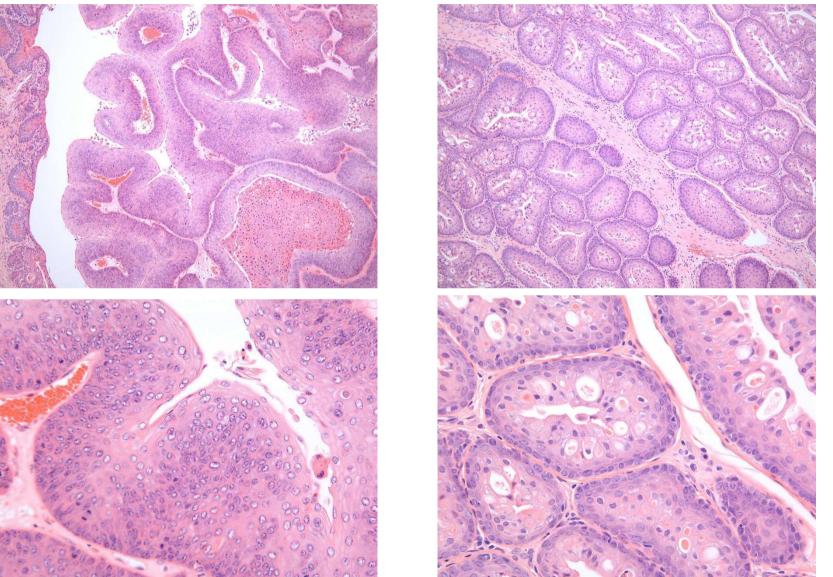






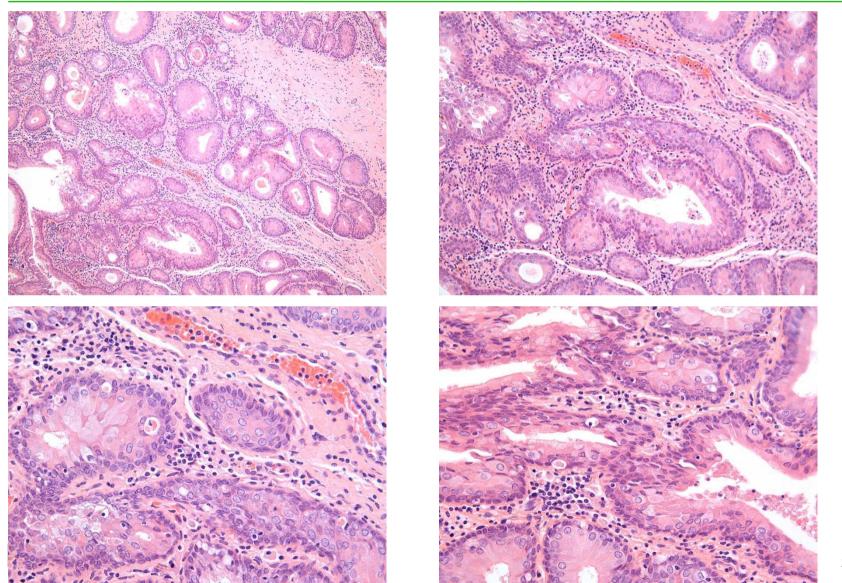


Vagina, Hamster: Papilloma



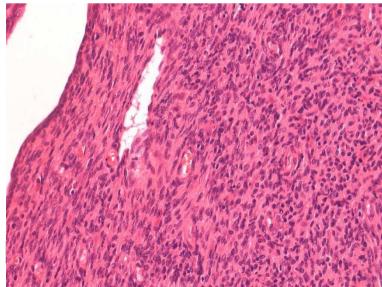
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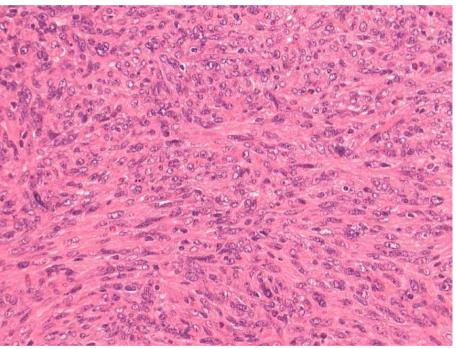
Vagina, Hamster: Squamous Carcinoma



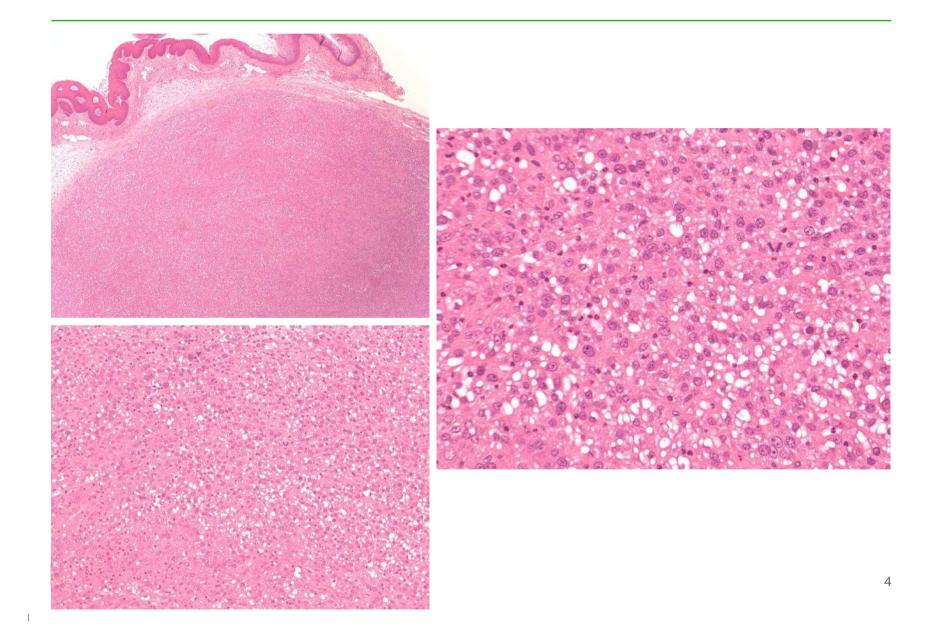
Vagina, Mouse: Leiomyoma







Vagina, Mouse: Liposarcoma



Classification: Mammara Gland – Recommendations

http://www.toxpath.org/nomen/

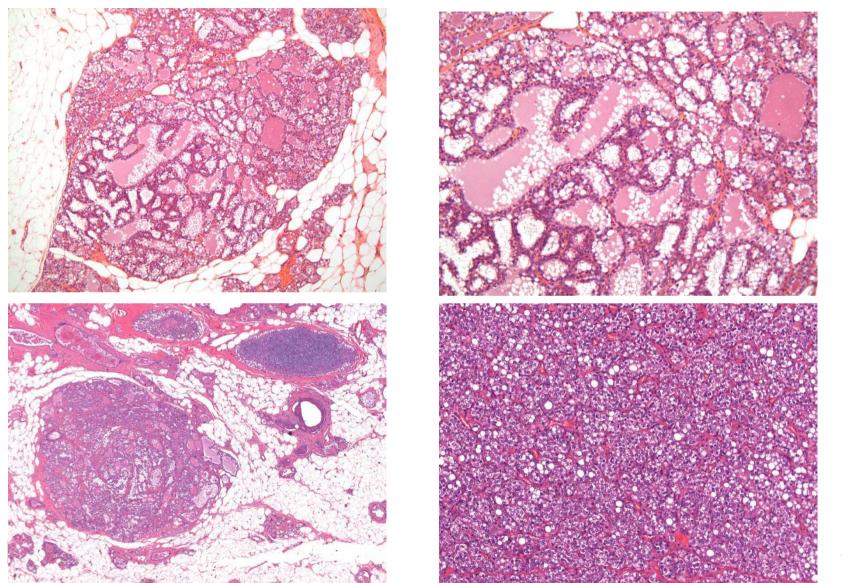
- Hyperplasia [focal with atypia; lobular; ductal]
- Adenoma [alveolar; cystic; papillary; tubular]
- Fibroadenoma [adenomatous; fibromatous] (B)
- Adenocarcinoma [alveolar; comedo; cribriform; cystic; medullary; papillary; scirrhous; solid; spindle cell; tubular]
- Adenocarcinoma arising in fibroadenoma
- Tumor, mixed, benign [adenolipoma type] and malignant [carcinosarcoma type]

Mammary Gland-Epithelial Neoplasms: Adenoma

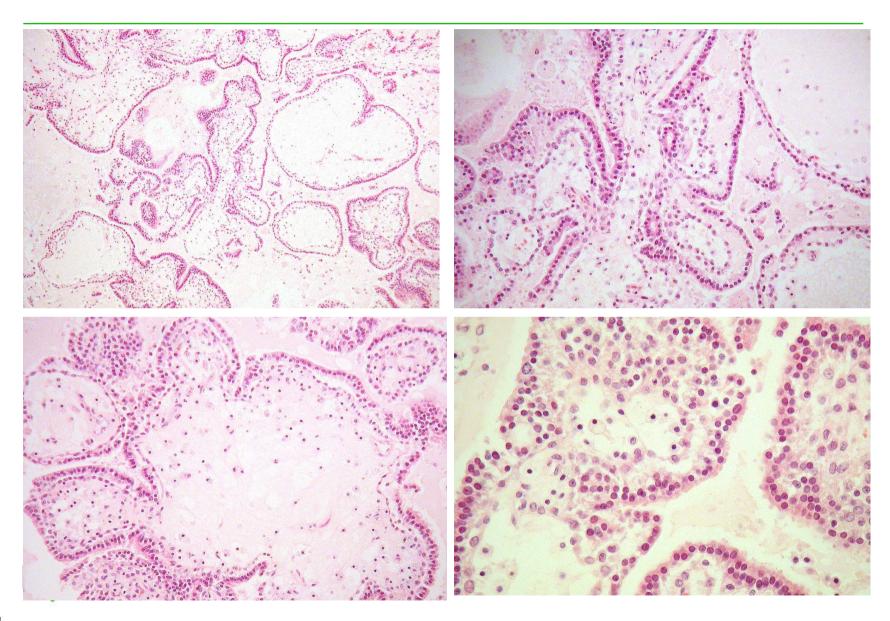
- Well demarcated with preserved regular structure
- Cells well differentiated
- Mitosis may be present
- Differential Diagnose: Adenocarcinoma



Mammary Gland, Rat: Adenoma



Mammary Gland, Rat: Cystadenoma



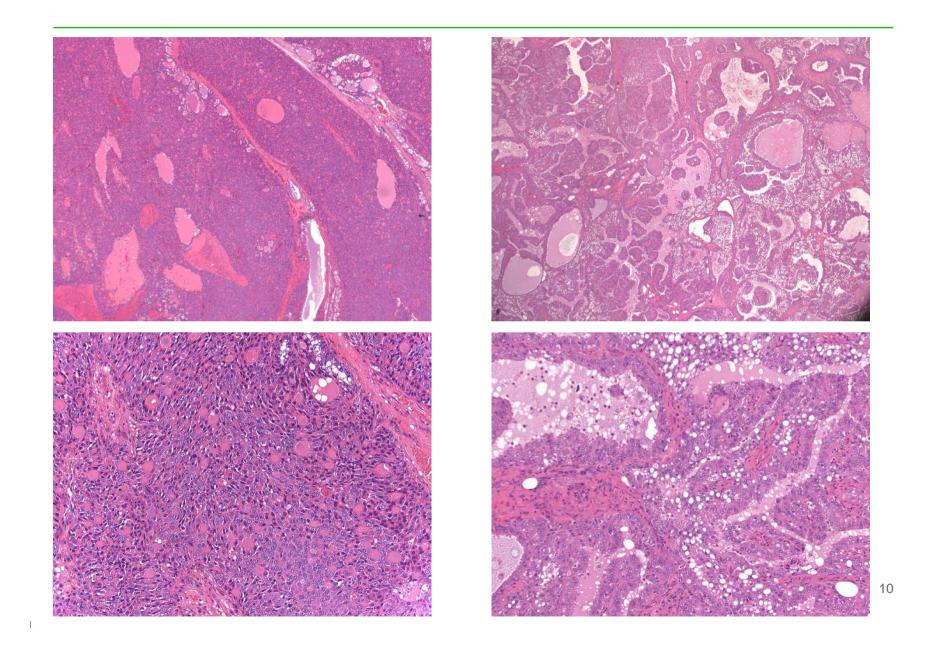
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Mammary Gland-Epithelial Neoplasms: Adenocarcinoma

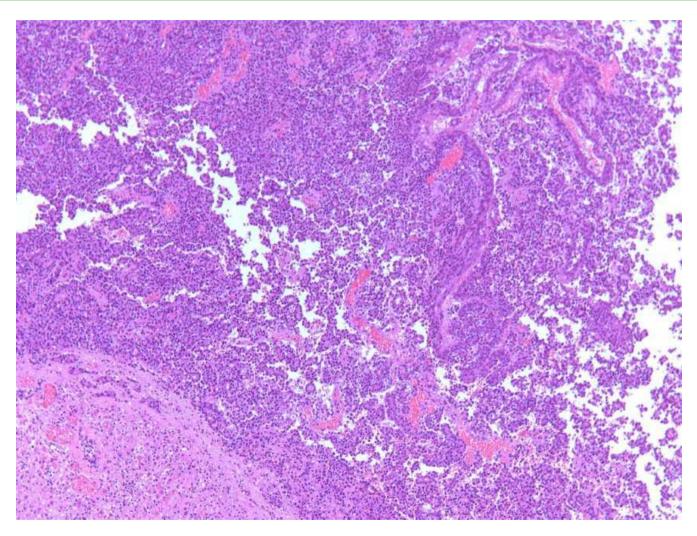
- Occasionally well demarcated
- Do preserved regular structure
- Often different growth patterns in single neoplasm
- Necrosis, hemorrhage, stromal reaction
- Intracystic papillary patterns
- Multilayered cell sheets
- Intraductal type: Attention!
- Differential Diagnose: Adenoacanthoma, Adenoma



Mammary Gland, Rat: Adenocarcinoma



Mammary Gland, Mouse: Adenocarcinoma





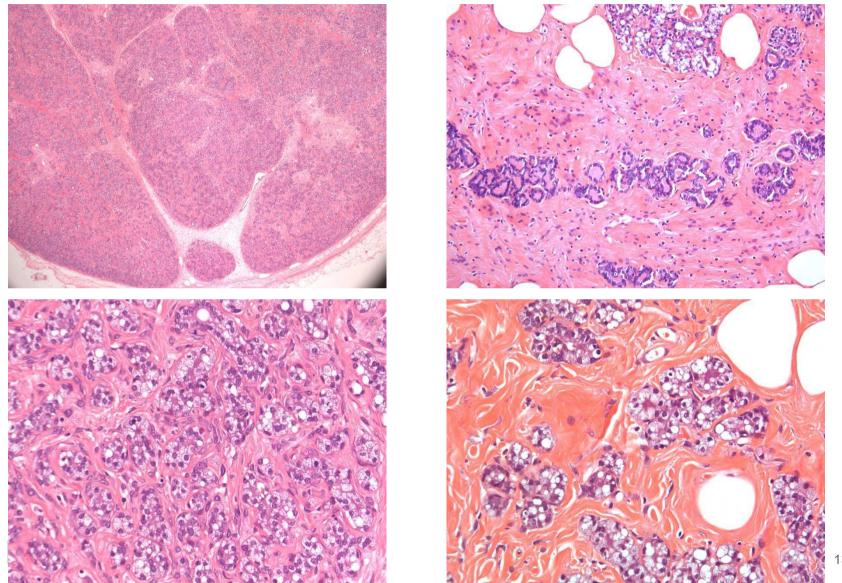
Harlan Laboratories

Mammary Gland-Epithelial Neoplasms: Adenofibroma

- Glandular epithelium and fibrous connective tissue (amounts may be very variable between single neoplasms
- Epithelium often forms ducts, nests, sheets, alveoli or small cysts
- Mitosis may be present
- Focal areas of atypia or pleomorphism may be present
- Differential Diagnose: Adenoma, Adenocarcinoma

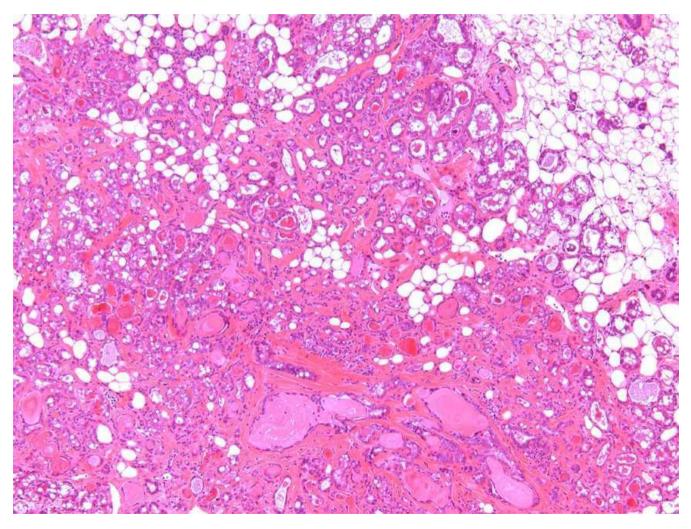


Mammary Gland, Rat: Adenofibroma



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Mammary Gland, Mouse: Adenofibroma





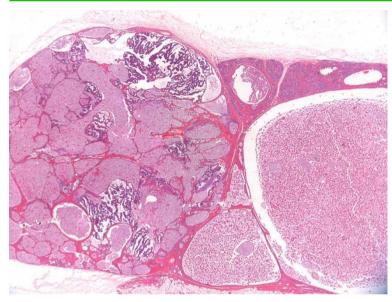
Harlan Laboratories

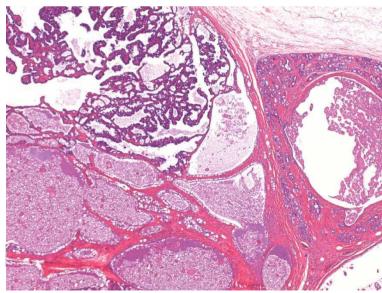
Mammary Gland-Epithelial Neoplasms: Adenocarcinoma Arising in Fibroadenoma

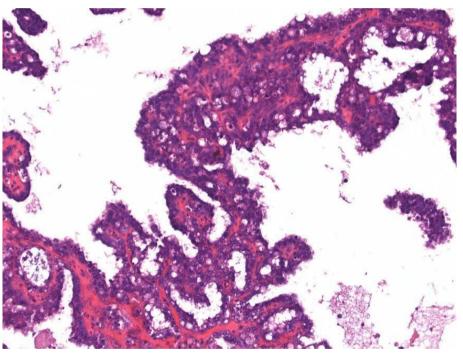
- Two distinct tumor types
- Differential Diagnose: Adenoacanthoma, Adenoma
 Fibroadenoma, Adenocarcinoma



Mammary Gland, Rat: Carcinoma in Adenofibroma





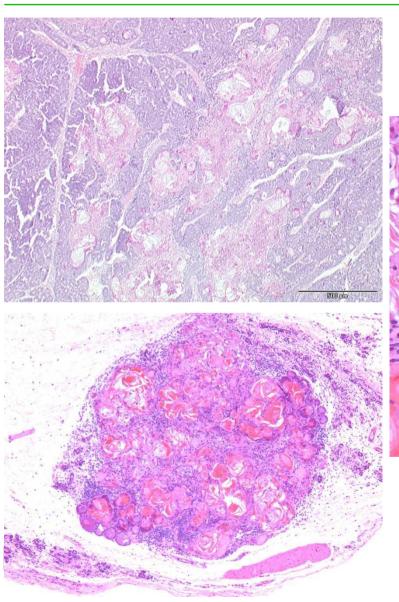


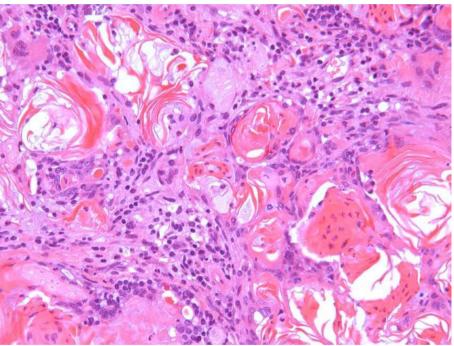
Mammary Gland-Epithelial Neoplasms: Adenoacanthoma

- May be well circumscribed
- Glandular and squamous differentiation
- Squamous areas cover more than 25% of area
- Differential Diagnose: Adenocarcinoma, Squamous carcinoma



Mammary Gland, Mouse: Adenoacanthoma





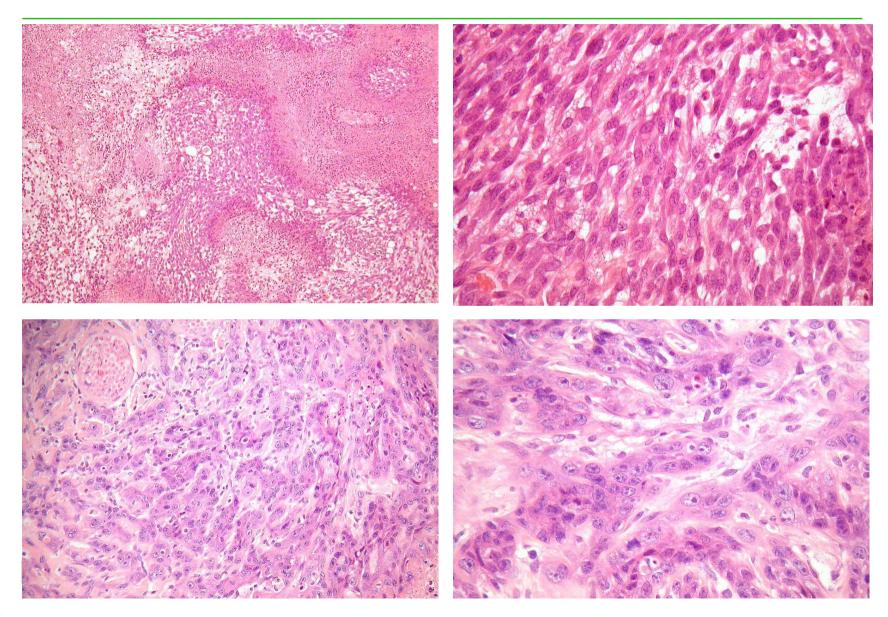
Mammary Gland-Epithelial Neoplasms: Carcinosarcoma

- Malignant mixed tumor
- Epithelial and mesenchymal components

• Differential Diagnose: Adenocarcinoma



Mammary Gland, Rat: Carcinosarcoma



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