

	In favour of cancer	Seen?	Against cancer	Seen?
Architecture	Irregular in size and shape, lobular architecture lost		Lobular - duct to acini relationship	
	Contrasts with adjacent, clearly benign glands		Merging with benign glands	
	Infiltrating between benign glands, disruption of the muscle		Smooth contours, cuff of smooth muscle	
Nucleus	Enlargement		Normal size	
	Prominent nucleoli		No macronucleoli	
	Hyperchromasia		Even chromatin	
	Mitotic figures in luminal cells		Exceptionally rare mitoses, basal only	
Cytoplasm	Amphophilia		Pale to clear (ensure that H&E staining is adjusted to this in benign glands)	
	Abundant		Atrophic	
	Straight, even luminal borders		Infoldings, "floppy", soft luminal borders	
Intraluminal	Basophilic mucinous secretions (on H&E calibrated to ensure secretory cell cytoplasm pale)		Nor present (can be present rarely in adenosis etc)	
	Amorphous, pink dense secretions		Corpora amylacea	
	Crystalloids (rectangular, rod-like, hexagonal, triangular)		Not present (except in pale staining lobule of adenosis)	
Inflammation	Absent		Present	
Basal cells	Absent		Present	

Thanks to Dr P Harnden, for this table