DCIS, LCIS etc versus epithelial hyperplasia of usual type

- Basal cytokeratins
- Oestrogen receptor
Immunohistochemistry useful in distinguishing from epithelial hyperplasia of usual type from DCIS?

Basal cytokeratins (CK14, CK5)
UEH: patchy staining
ADH, FEA, LCIS usually uniformly negative
DCIS usually uniformly negative (occasionally uniformly positive – typically high grade)
Columnar cell change and apocrine change are both negative

Oestrogen receptor
UEH: patchy staining
ADH, FEA, LCIS usually uniformly positive
DCIS usually uniformly positive or negative
Columnar cell change often uniformly positive
Apocrine change usually negative
Must interpret in light of morphology
SMA