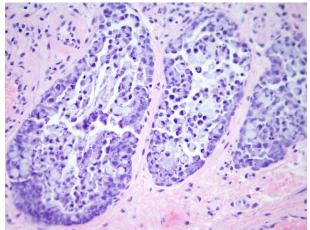
Mimickers in GI Pathology

Lysandra Voltaggio, M.D.

- Disclosures:
 - Salary support: C₂ Therapeutics

Signet Cell Change

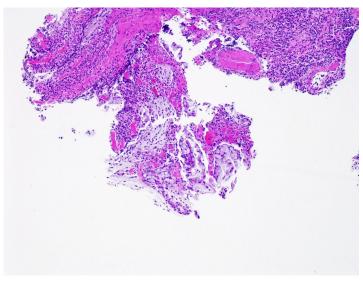
• Epithelium becomes detached and begins to slough



- Cells round up
- Within the basement membrane
- Distended crypts
- Reparative changes = alarming
- Mitoses may be conspicuous
 - Look at intact adjacent gastric mucosa

Wang et al. Signet Ring Cell Change vs. Signet Ring Cell Carcinoma. A Comparative Analysis. Am J Surg Pathol. 2003; 27:1429-1433

Signet Ring Cell Change (SRCC)



- Pseudomembranous colitis
 - Classic association
 - 28% cases of PC show variable numbers of SRCs
- Inflammatory bowel disease
- Ischemic injury
- H. pylori gastritis
- Reported in many organs
 - Endometrium
 - Prostate
 - Bladder

hingra and Wang. Nonneonlastic signet-ring cell change in gastrointestinal and biliary tracts: a pitfall for overdiagnosis. Ann Diagn Pathol. 2011 Dec: 15(6):490-6

