Inflammatory bowel disease

Symptoms of both Ulcerative colitis and Crohn's disease:

- pain
- diarrhea
- blood in stool
- weight loss
- Joint arthralgias
- uveitis and iritis
  - skin manifestations
- sclerosing cholangitis (more in ulcerative colitis) based on the duration of inflammation
- cause hypocalcemia and decreased vitamin D absorption
- both diagnosed with Barium Enema and Endoscopy
- both can cause cancer if they have colon involvement for more than 8-10 years (UC always involved the colon) so we scope after 8 years

Treatment of both:

- both treated with Mesalamine derivatives (ASA= AminoSalycilic Acid)
  - PentASA (works on all 5 parts of GI tract so active on CD)
  - ASACol (asa colon so most effective on colon part UC)
  - RowASA (rectum so UC)
- used to be treated with 5-Flasalazine however not anymore due to Sulfa adverse effects
  - rash
  - hemolysis
  - renal problems
- if they’re acutely exacerbated we give Steroids (Budesonide since it doesn’t have systemic effects, it doesn’t further increase the malabsorption, and it has a first pass effect since it affects the colon locally and the liver directly cleans it out) {3akes el asthma where we want systemic effect so we don’t use Budesonide in asthma}
  - however steroids shouldn’t be used chronically so we could substitute them for better anti inflammatory drugs
- 6 Mercaptopurine and Azothioprine shouldn’t be used for acute exacerbations only to keep us off of steroids

the difference however:

Ulcerative colitis:

- +ve ANCA
- -ve ASCA (anti-sacromycescerevicii antibody)
- in the mucosa so can’t go through the wall
- affects only Colon