Prof.dr Simon Nikolić
opšta medicina 1

Radiološka dijagnostika digestivnog trakta



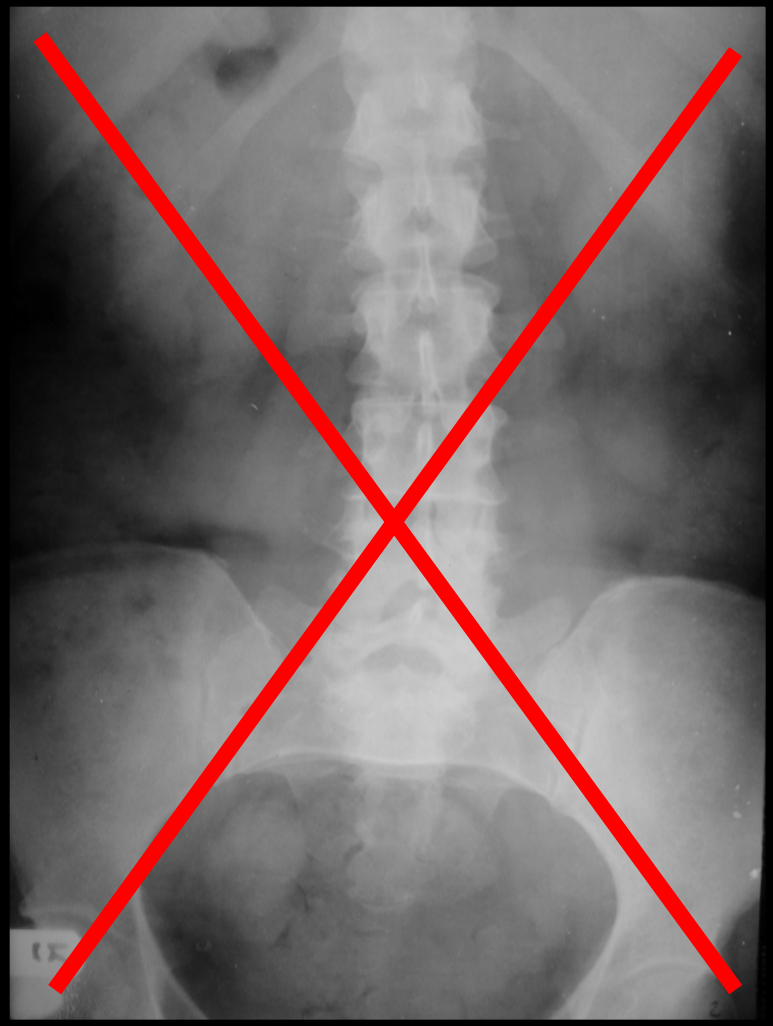
MMXV

Metode pregleda

- Nativni pregled abdomena
- Pregled barijumom
- UZ
- CT
- MRI
- Angiografija
- Nuklearna medicina



- Nativni pregled abdomena





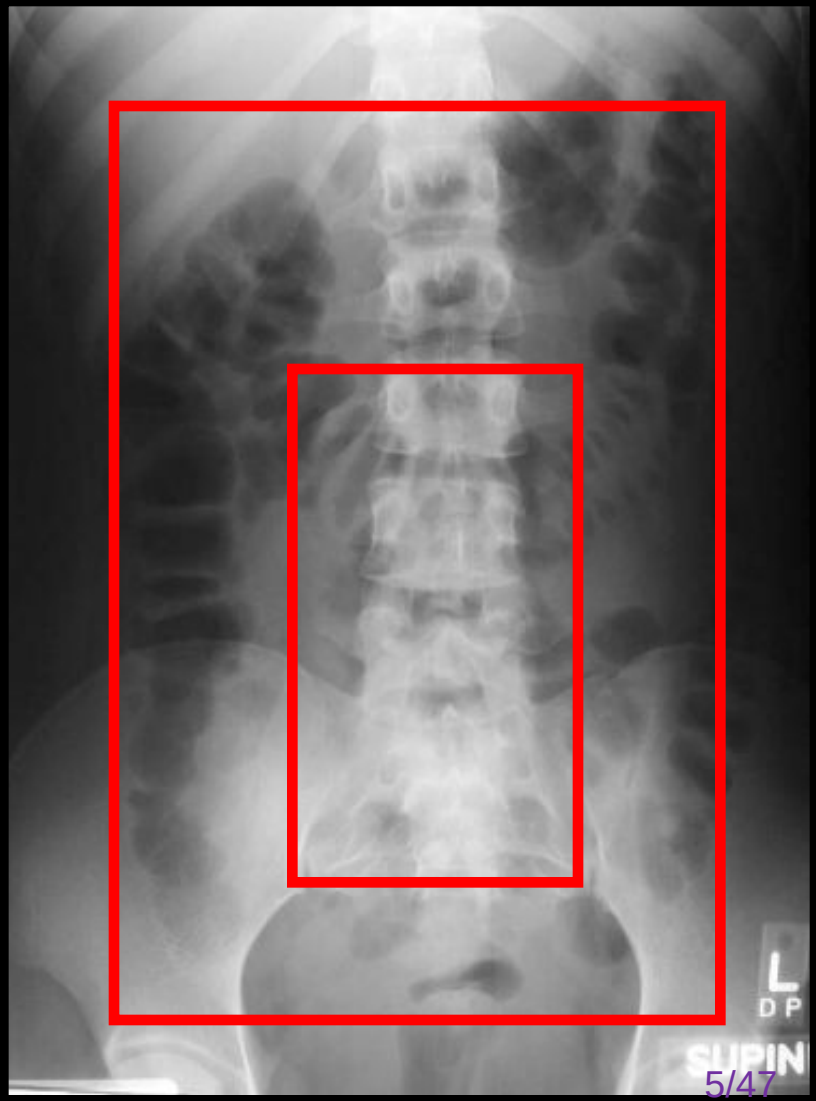
Šta se ispituje?

- Gasne kolekcije
- Ekstraluminalni gas
- Mekotkivne mase
- Kalcifikacije

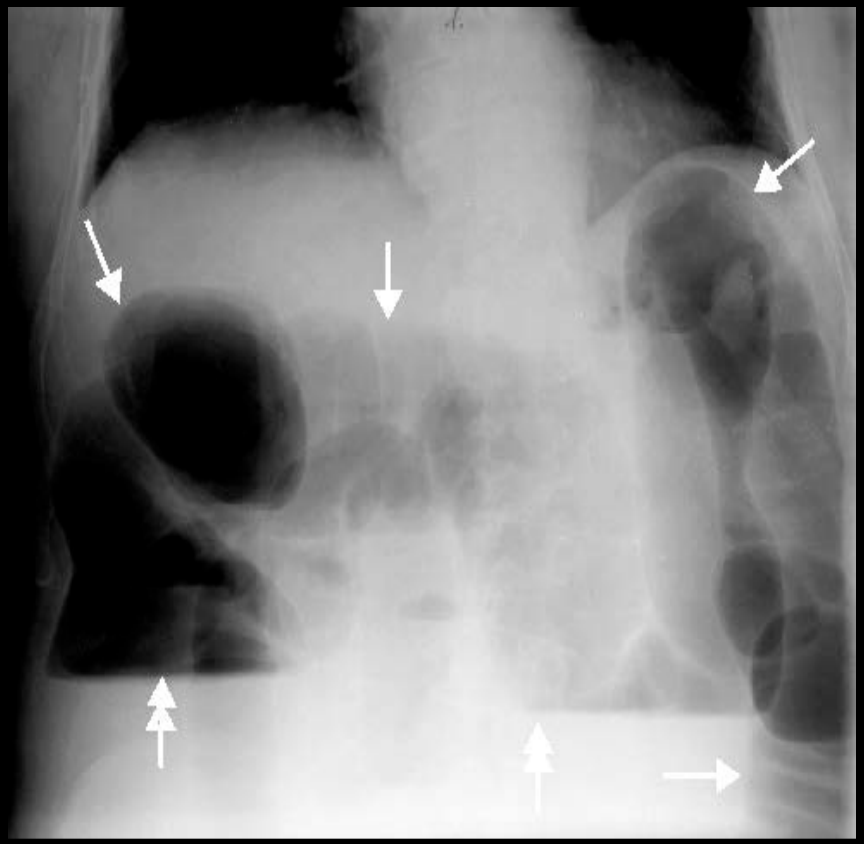


- Normalne gasne kolekcije

- **Želudac**
  uvek
- **Tanko crevo**
  max 3 nedilatirane vijuge
  norm. dijametar 2,5 cm
- **Debelo crevo**
  u rectumu uvek



ILEUS



Potpuni prekid u pasaži crevnog sadržaja

- **Funkcionalni**
  Likalizovan (stražareća vijuga)
  Generalizova adinamički ileus
- **Opstruktivni** (mehanički)
  Gornjeg dela GIT
  Donjeg dela GIT

- Lokalizovani ileus





Jedna ili dve dilatirane vijuge tankog ili debelog creva

Gas u rektumu

Stražareća vijuga

- Generalizovani paralitički ileus





Samo postoperativno

Rtg. Gas u dilatiranim vijugama tankog i debelog creva

- Opstruktivni ileus gornjeg dela GIT



Žučni kamenovi, askaris, bezoari.

Rtg. Dilatirana tanka creva,vujuge na straži, malo gasa u kolonu posebno u rectumu

- Opstruktivni ileus donjeg dela GIT





Hernijacija, Strangulacija.

Rtg. Jako dil.kolon, nema gasa u rectumu. Malo ili bez gasa u tankom crevu ako je ileocekalna valvula ostala kompententna.

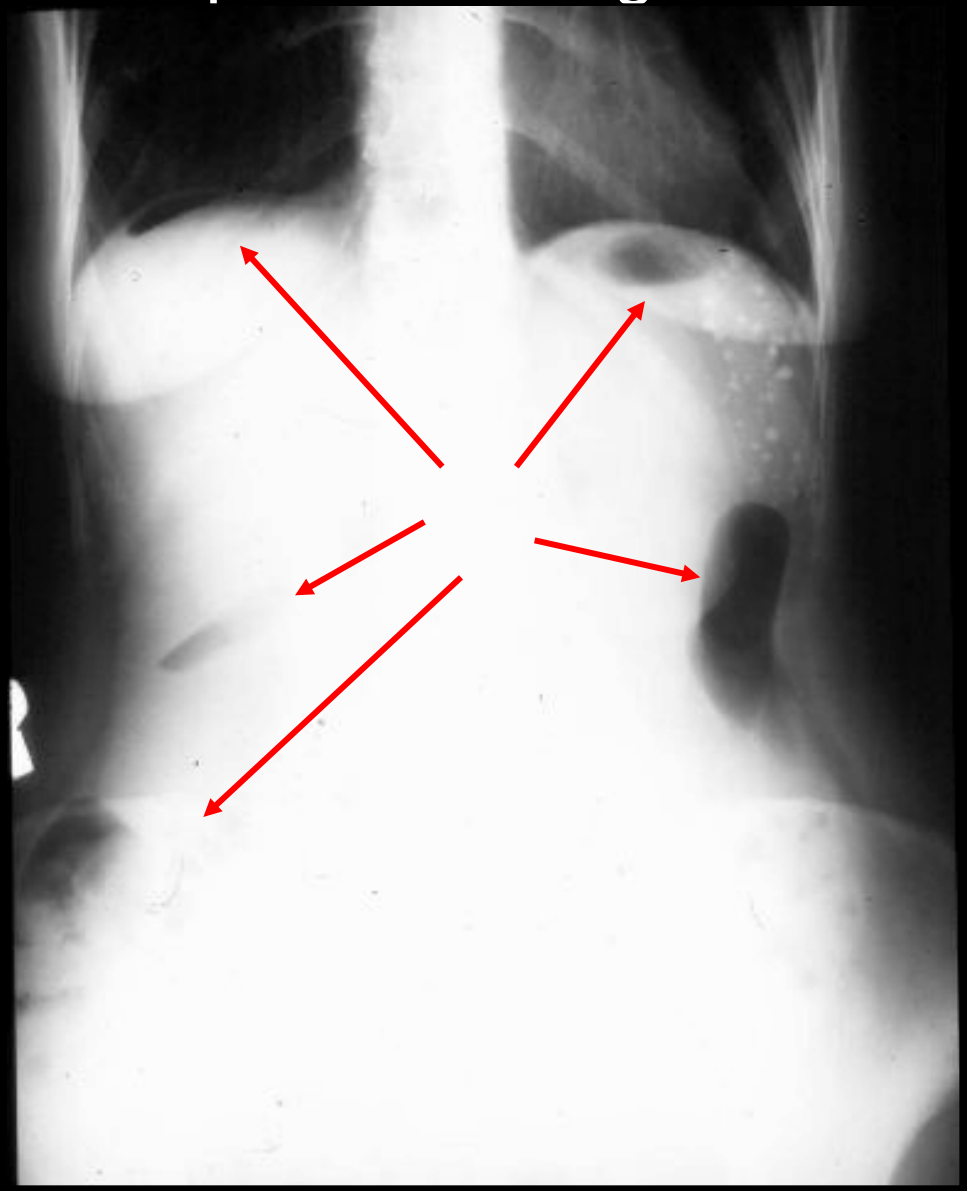




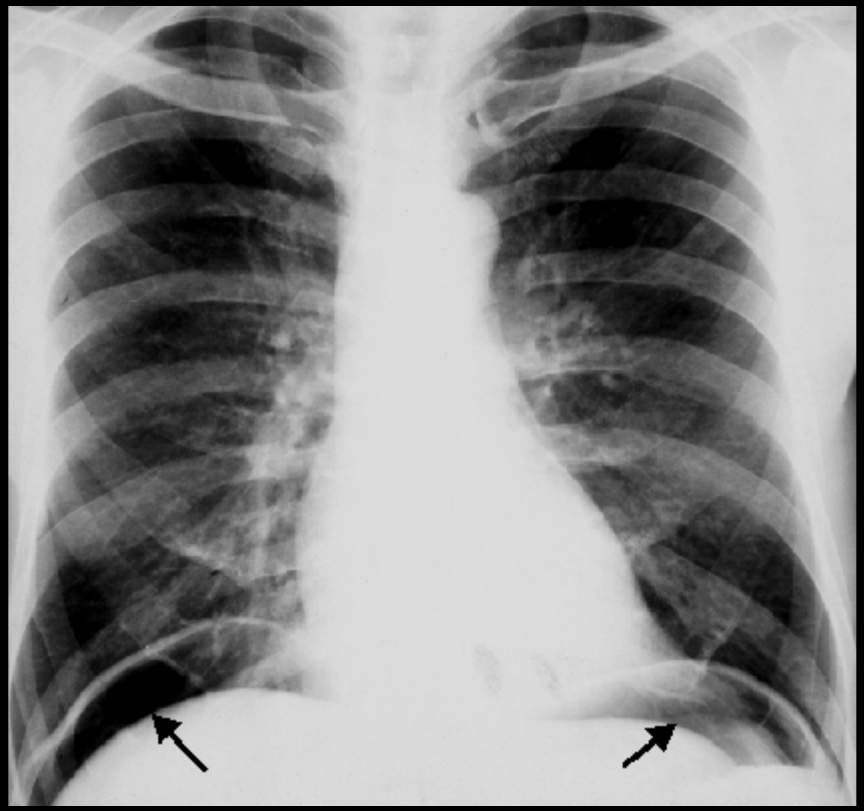
Sy Chilaiditi

Pneumobilija

- Slobodan intraperitonealni gas



Pneumoperitoneum

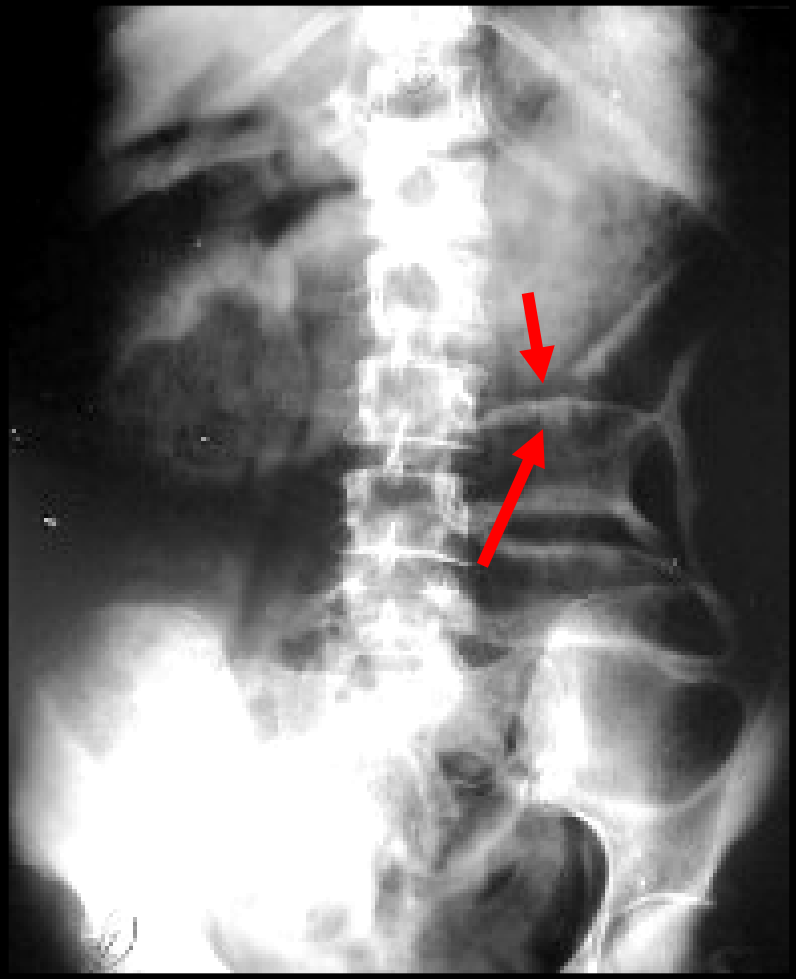


Slobodan gas u abdomenu

- Ruptura šupljeg organa
  Perforacija ulkusa
  Perforacija divertikula
  Perforcija karcinoma
- Trauma
- Post operativno 5-7 dana



Vidljiva oba zida crevne vijuge



- Mekotkivne senke



- Hepatosplenomegalija
- TU ili cista

Rtg. Dislokacija creva,
mala količina gasa,
znak jastučića,
spoljašnja kompresija

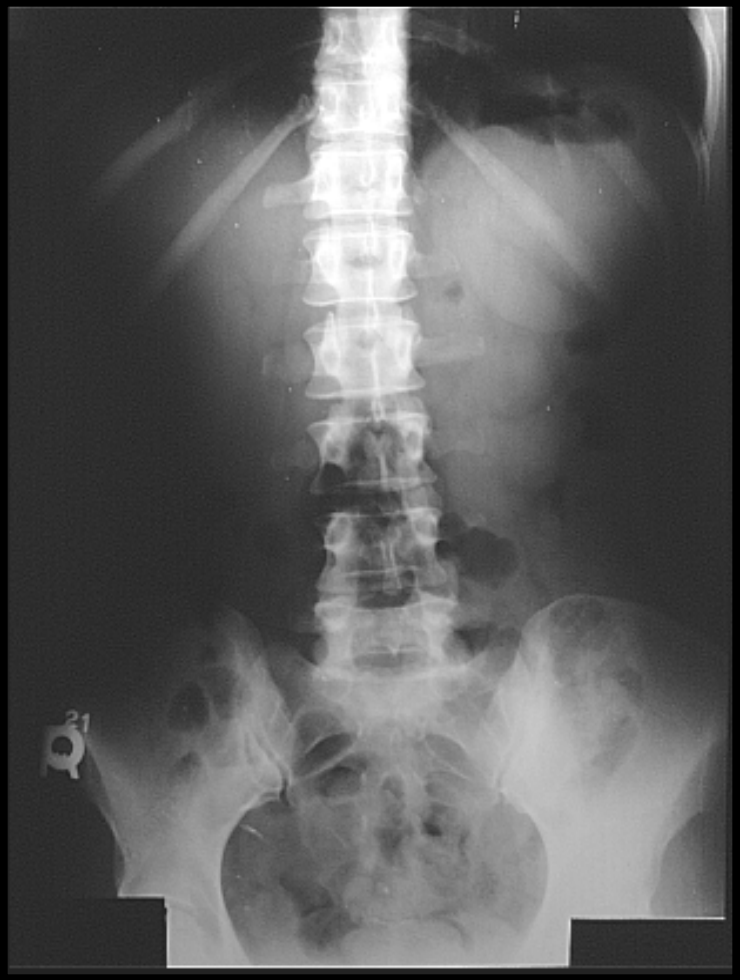
Myomatozni uterus

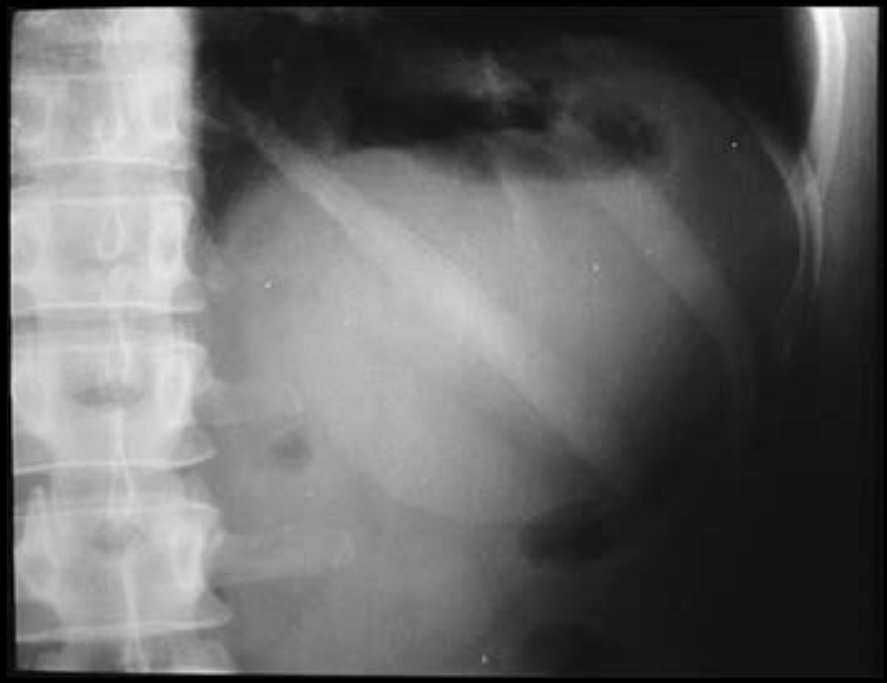
Hours later





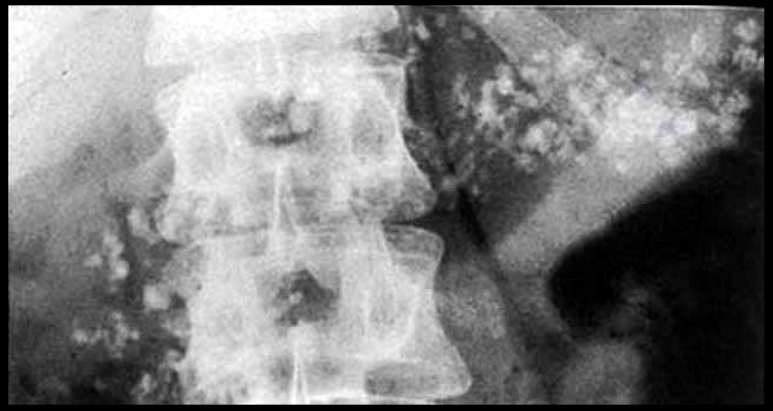
Opstrukcija mokraćne bešike. Pre i post cateterizacije





Masa u levom hipohondrijumu - pankreatična pseudocista

- Kalcifikacije





- Rubne





Bubrežna cista

- Trakaste

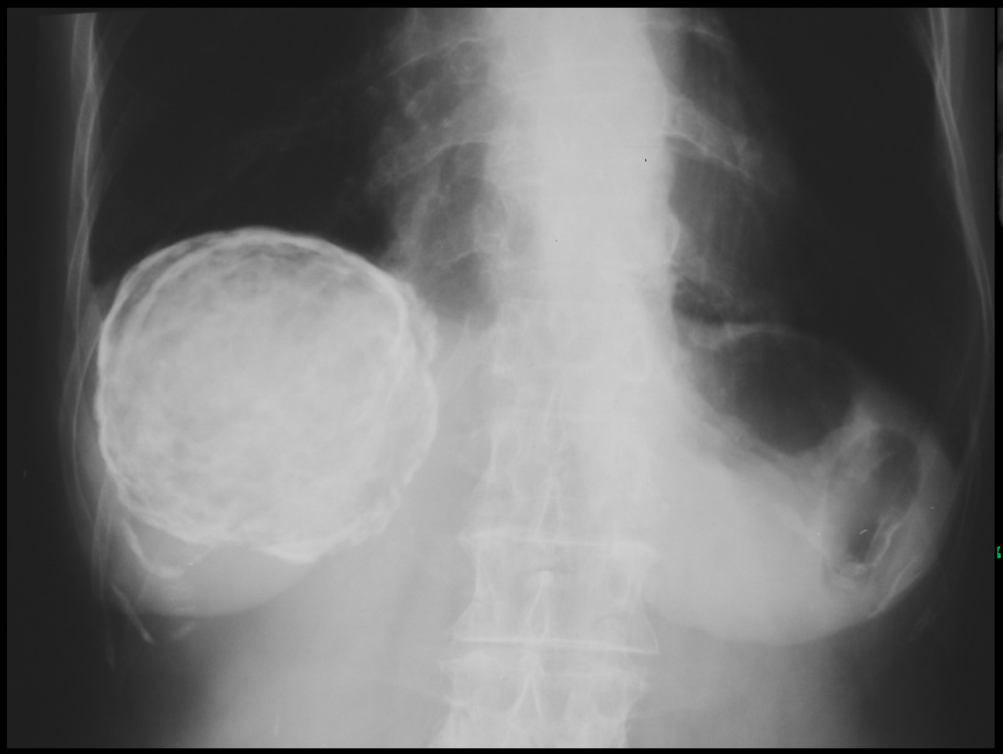




Kalcifikovan vas deferens

Aterokleroza

- Masivne





“Koraliformna” kalkuloza bubrega

Ehinokokna cista u jetri

- Amorfne



Nefrokalcinoza



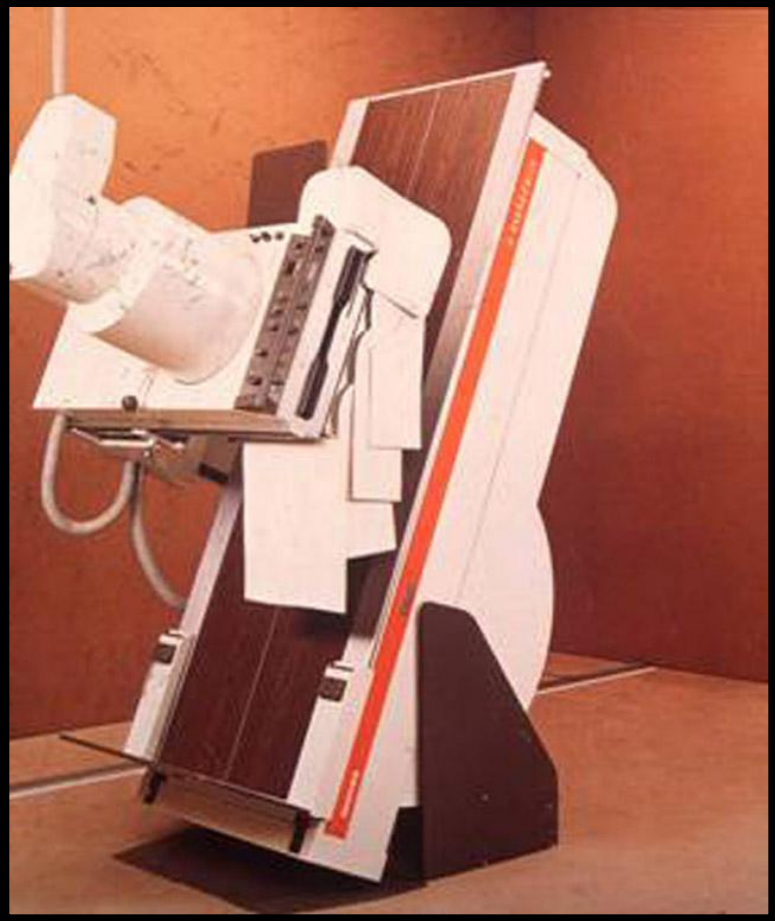
Miomatozni uterus

- Pregled barijumom



Rendgenskopija





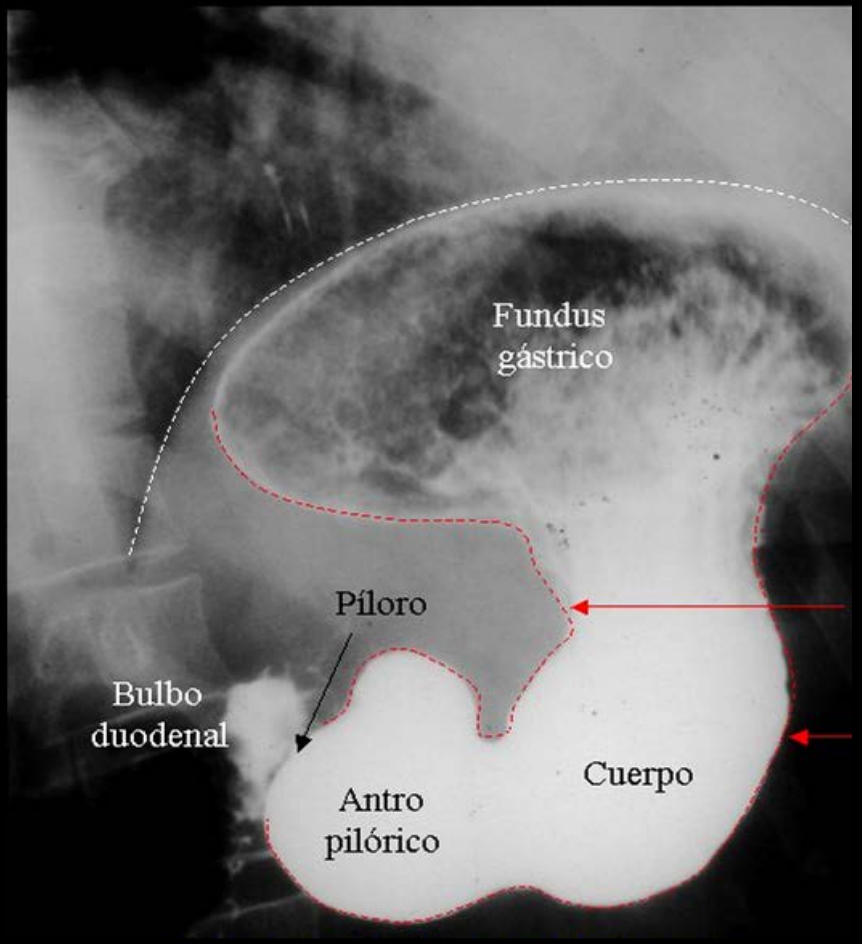
Rendgenskopija jednjaka

- Položaj
- Širina lumena
- Konture zida,
  reljef sluznice
- Pasaža



Rendgenskopija želuca

- Položaj
- Tonus
- Konture zida,
  reljef sluznice
- Pasaža kontrasta





Stojeći



Ležeći

Pasaža tankog creva

- Položaj
- Širina lumena
- Reljef sliznice

  jejunum - izgled pera

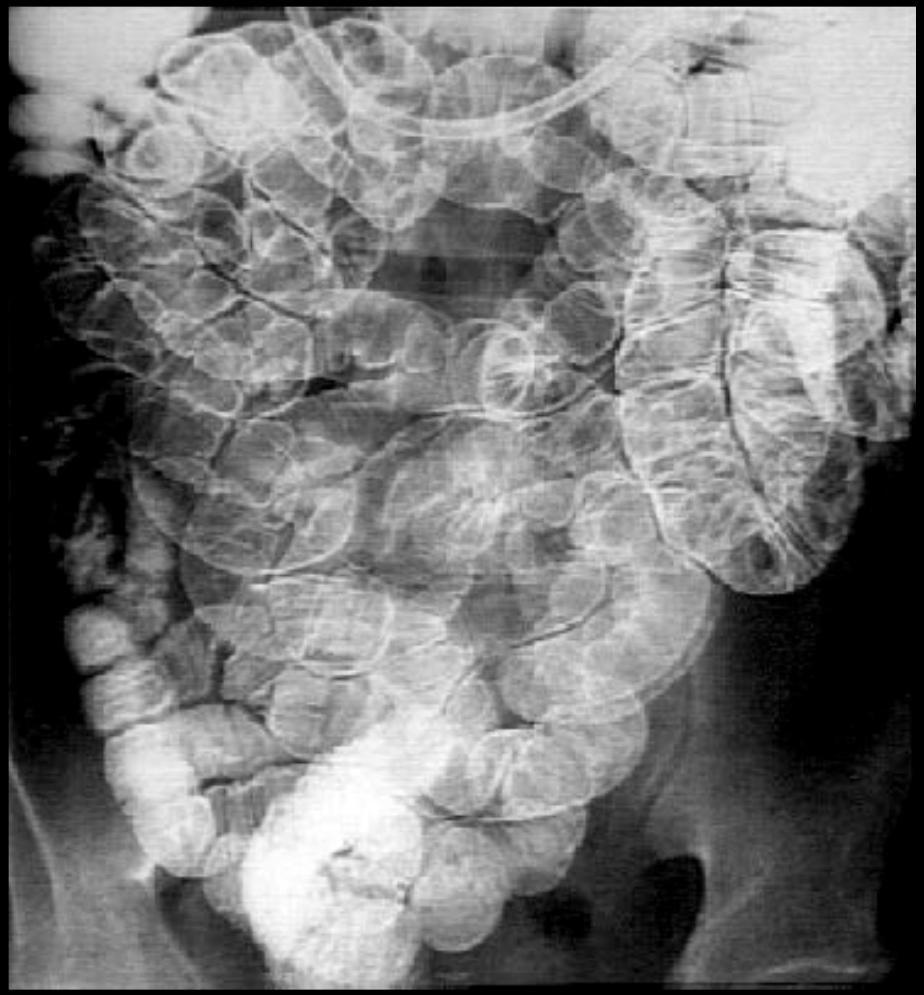
  ileum - glatke konture
- Pasaža kontrasta



Enterokliza

putem sonde kao negativno k.s. voda ili fiziološki rastvor.

U dif.dg. TU





Jednostruki kontrast



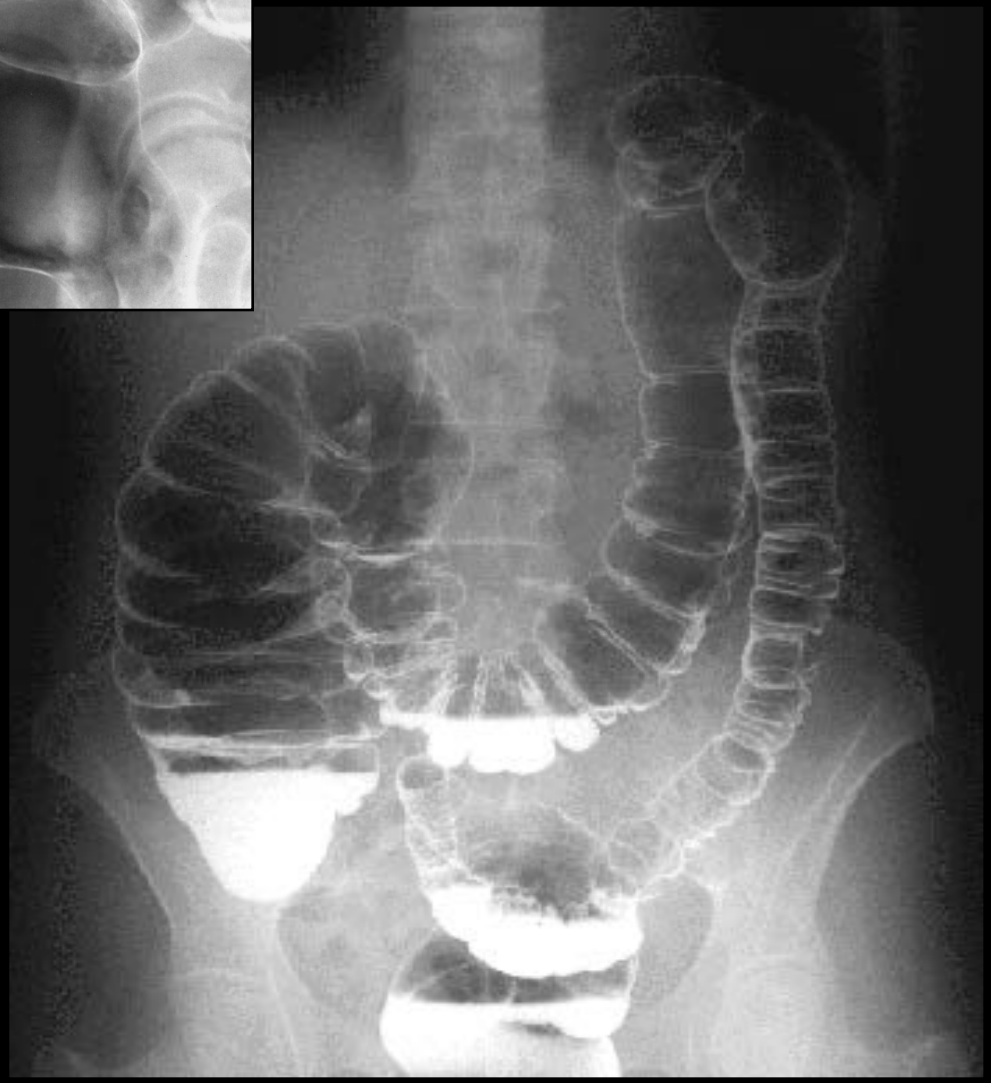
Dvojno k.s.

Irigografija

- Položaj
- Dužina
- Konture i dubina haustracija

  Reljef sliznice na post evakuacionim snimcima
- Prolazak kontrasta

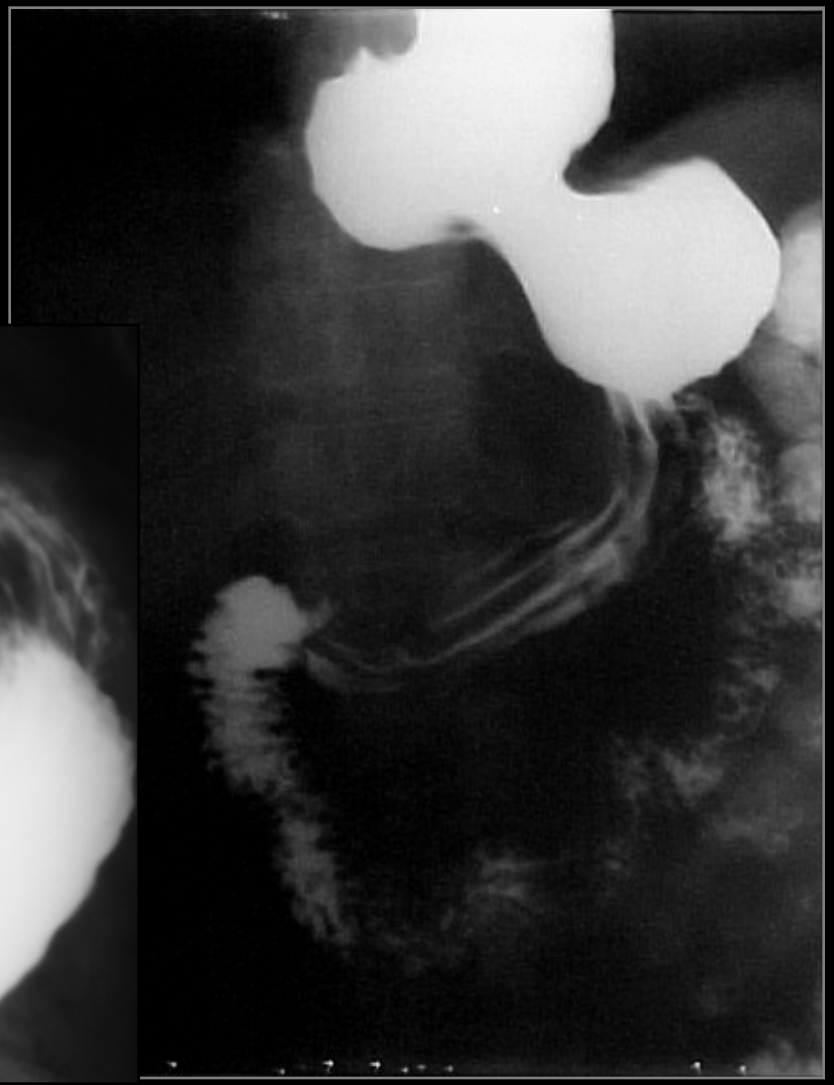




- Položaj organa

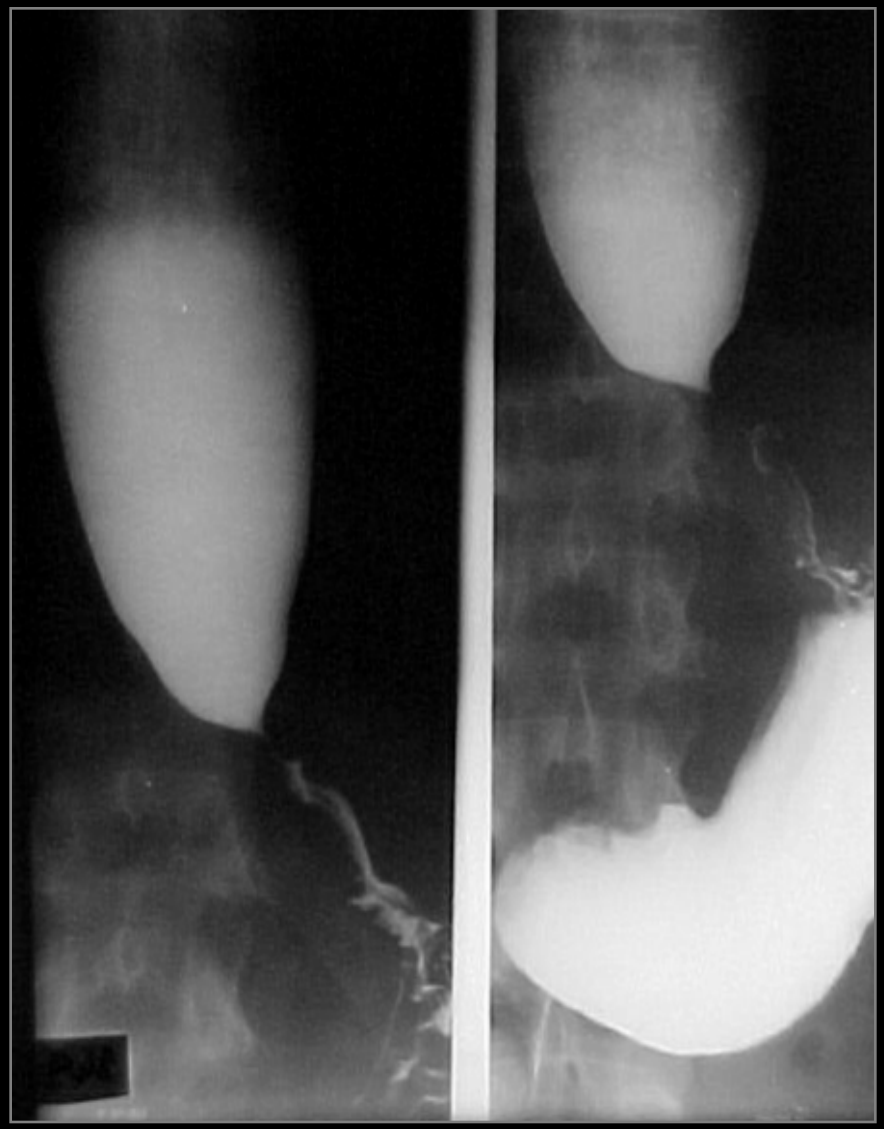
- Anatomski normalan
- Izmenjen



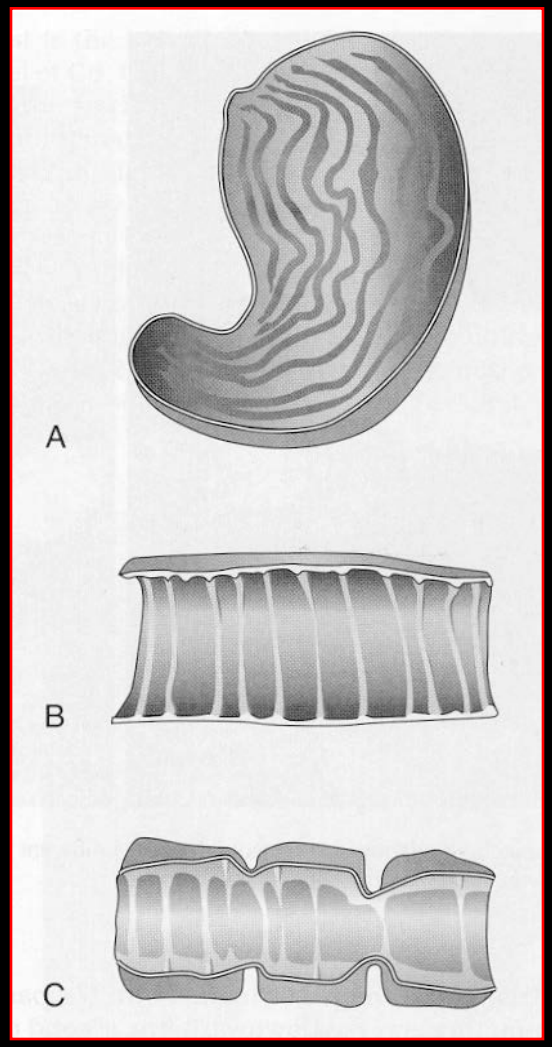


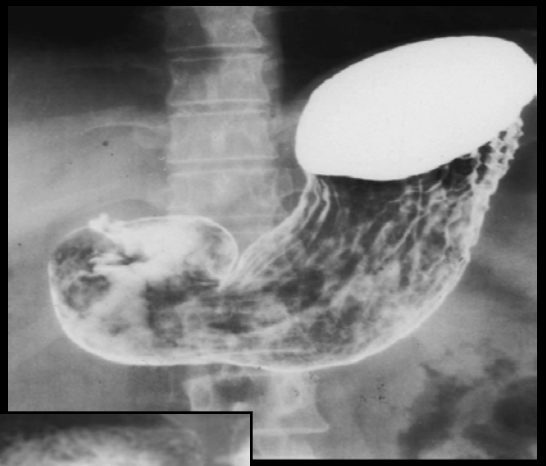
- Oblik organa

- Proširen
- Normalan
- Sužen



- Reljef sluznice normalan









erozija

površni defekt sluznice koji ne prelazi laminu muskularis mukoze





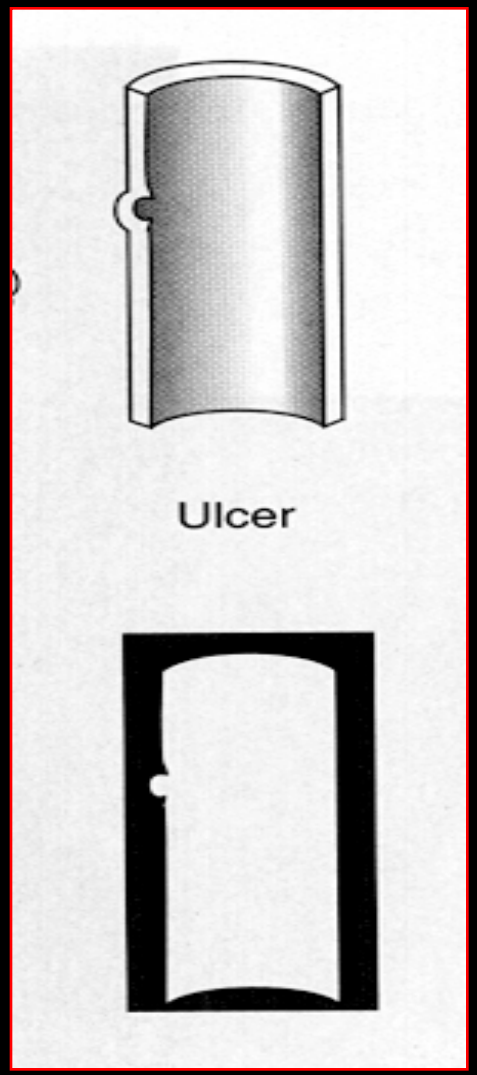
Rtg nakupljanje Ba_2SO_4 u defektu sluznice bez “plusa” u senci

- Konture zida

+	--
Ulceracija	Polip
Divertikulum	Tumor



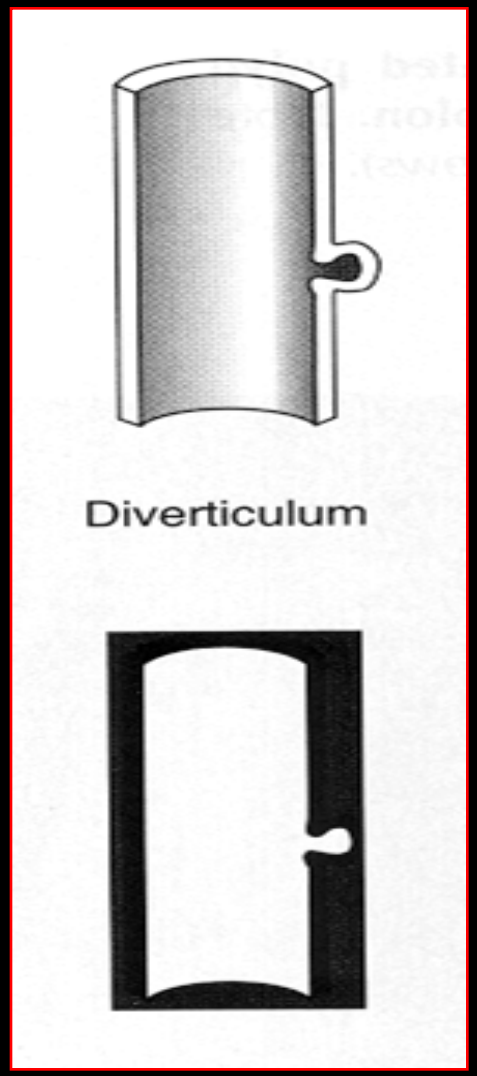
+ Ulceracija



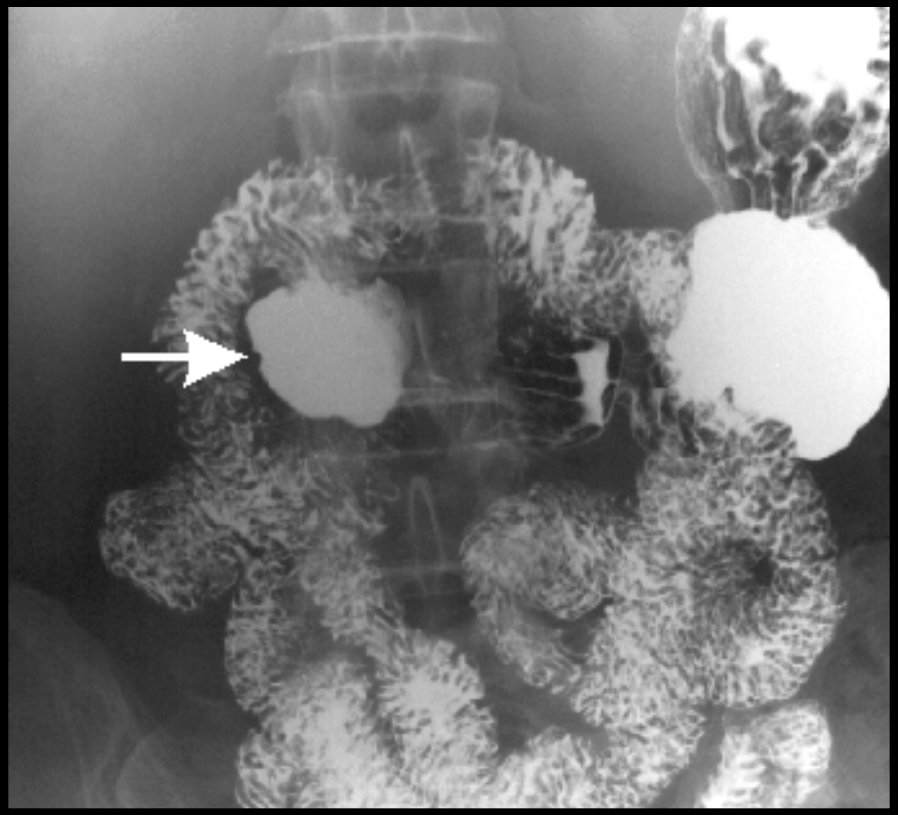
duboki defekt zida koji se prostire najmanje do muskularnog sloja



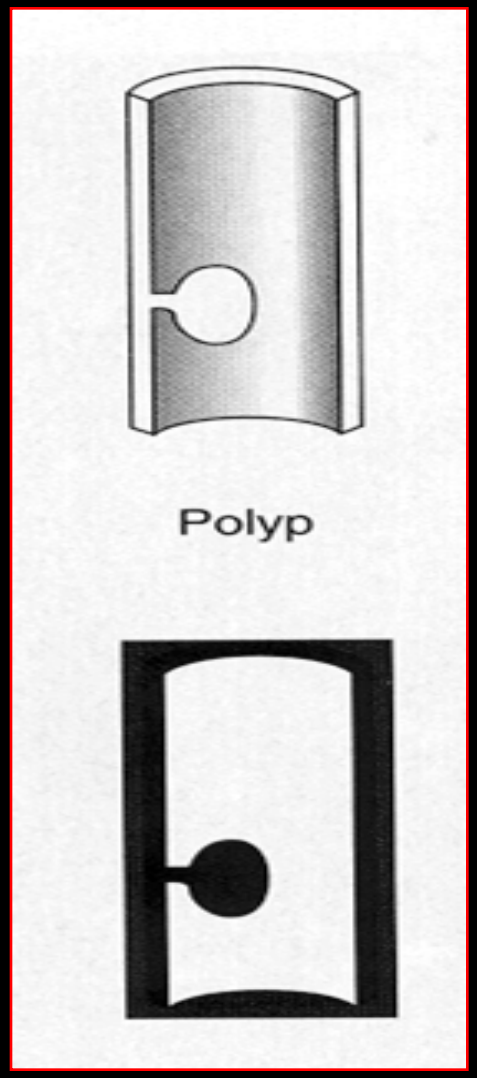
+ Divertikulum



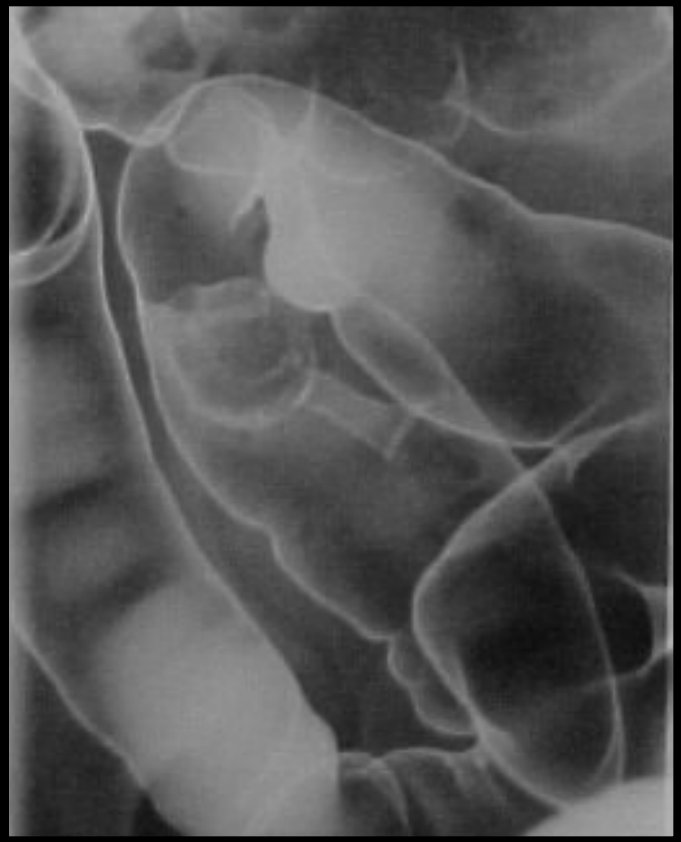
prolaps sluznice kroz mišićni sloj koji je preko vrata divertikula povezan sa lumenom organa



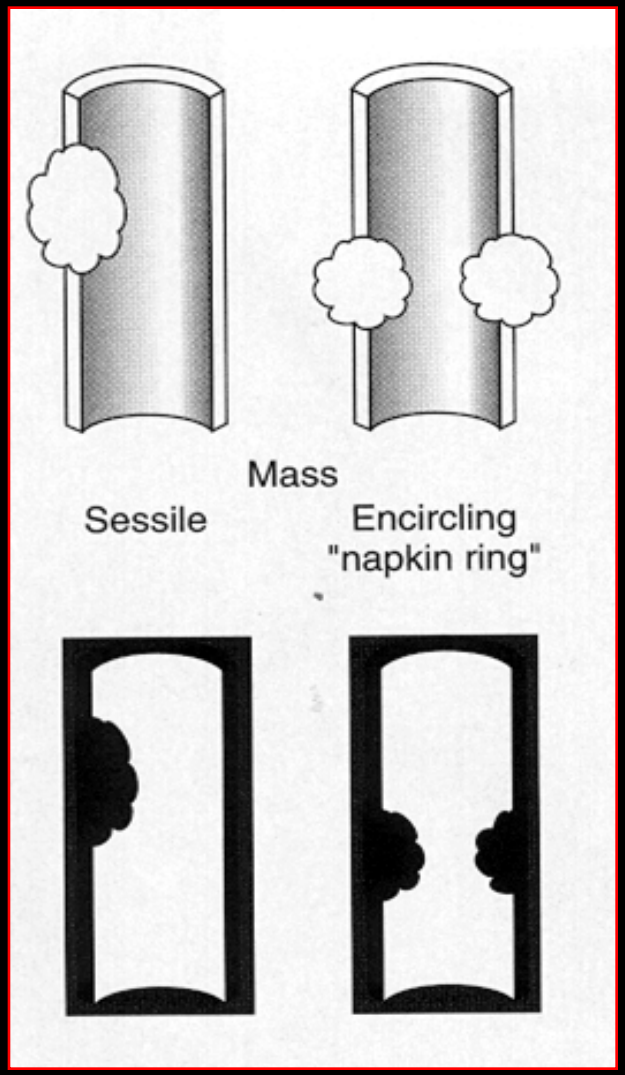
- Polip



vegetativna tumorska formacija koja izrasta iz sluznice i ima svoju stopu, vrat i telo



- Tumor

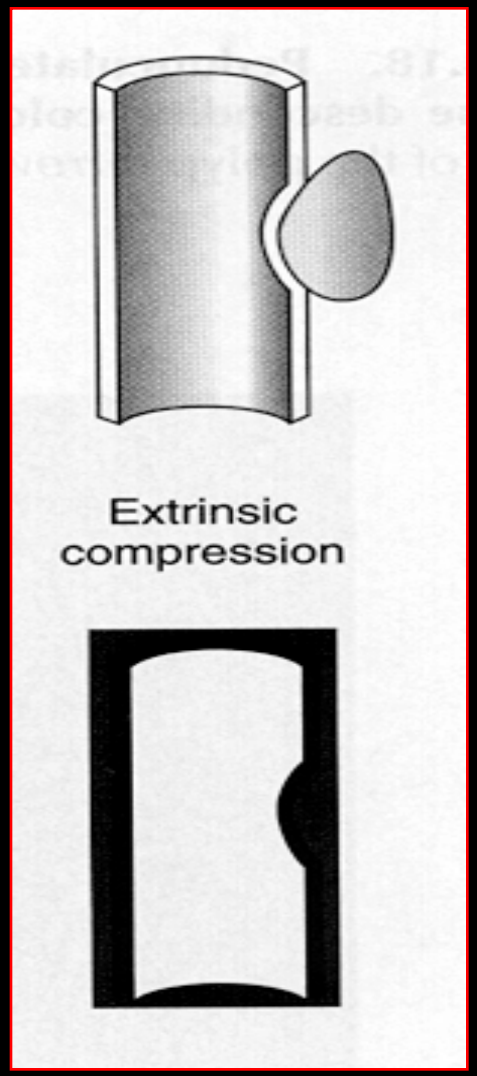


vegetativna formacija koja urasta u lumen organa i čini defekt nepravilnih kontura sa prekinutim normalnim naborima sluznice





Spoljašnja kompresija

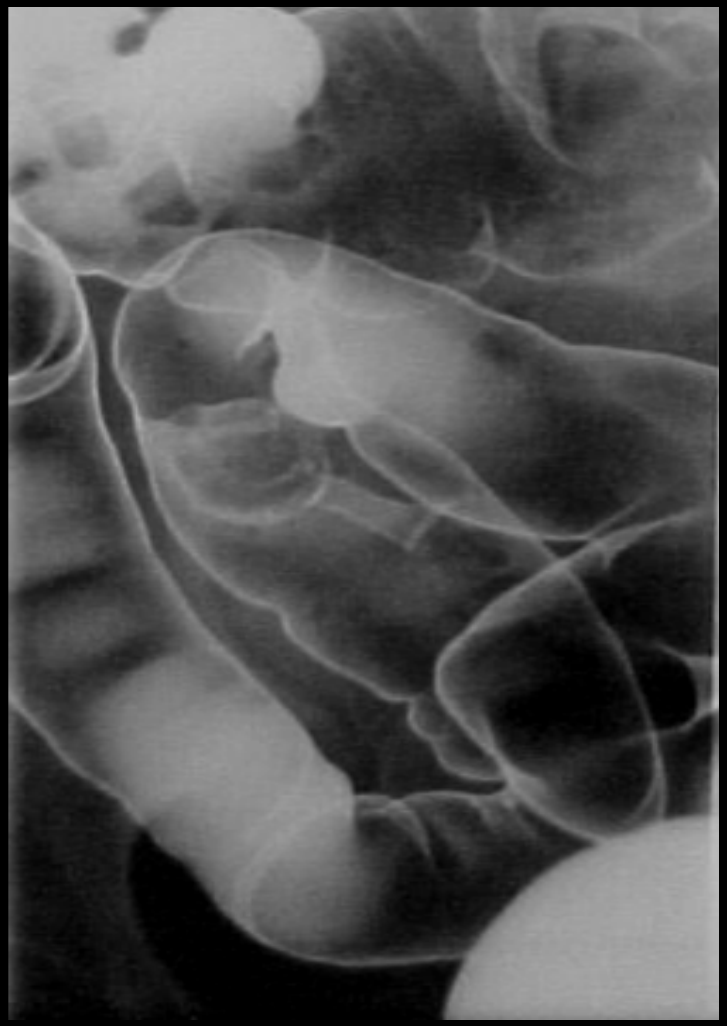


pritisak na lumen organa procesom iz neposredne okoline,pravilnih kontura normalnih i neprekinutih nabora sluznice



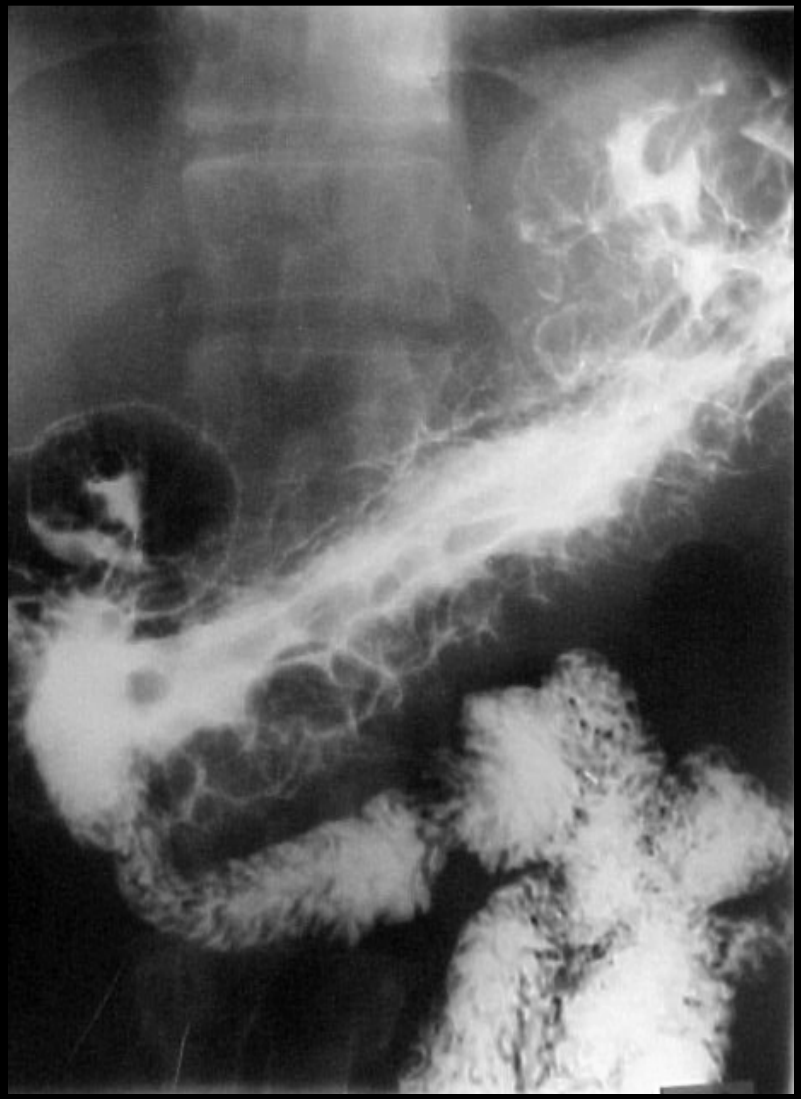
Lezije mogu biti:

- Pojedinačne
- Multiple
- Difuzne





Multiple



Difuzne

- Pasaža

- Normalna
- Otežana
- Ne postoji



- UZ



UZ snimak u
(uzdužnoj, kosoj ili ciljano na promenu)

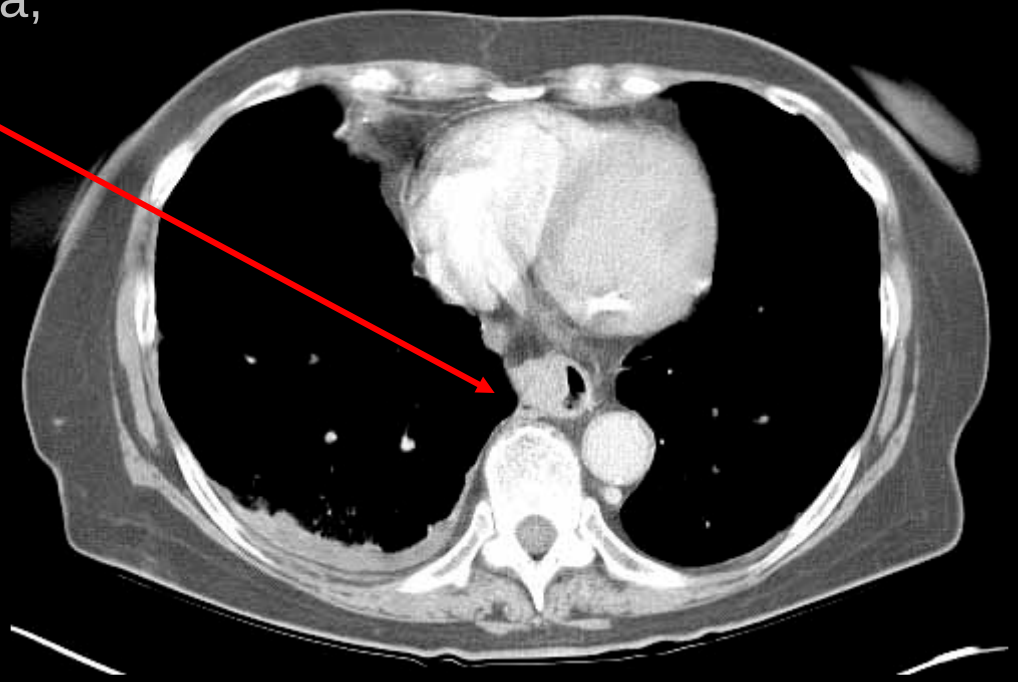
- L okalizacija
- O blik
- V eličina (mm; cm)
- E hogenost
- H omogenost
- O graničenost



- CT

Nativni ili kontrastni CT snimak abd.,
u dg.prozoru za meka tkiva,
u nivou..

- L okalizacija
- O blik
- V eličina
- Denzitet
- H omogenost
- O graničenost
- K ontrast



- MRI

Naziv pregleda, koji
je presek, sekvenca

- L okalizacija
- O blik
- V eličina
- Jačina signala
- H omogenost
- O graničenost







http:// www.med.pr.ac/katedra/interna-medicina.php