

what is the difference between the anatomical anal canal and surgical anal canal ??

surgical anal canal start from the anorectal junction to anal verge

anatomical anal canal from the dentate line to anal verge

what is the means of the anorectal junction ??

is muscular junction between the anus and rectum can be felt in the figure as amuscular band

anorectal junction formed by puborectalis muscle

dentate line separate the upper from the lower part of the anal canal

above the dentate line columnar epithelium (endoderm) does not feel the pain

below it ectoderm squamous

(feel the pain)

lymph node drainage (site of tumor mets)

if above the dentate line to internal iliac lymph node then aortic lymph node (means to pelvis and abdomen)

if below dentate line to superficial inguinal lymph node

theory of the abscess

glands of the dentate line

cryptoglandular theory

what is the means of proctalgi fogax ??

fogax means sudden

proctalgi means rectal pain

this disease affect people with distress and anxiety

treatment of the proctalgi fogax

inhalor salbutamol if acute antidepressant if chronic and worm sets path

without salt without detol

proctalgi fogax is diagnosis of exclusion as IBS

anal fissure

cause is straining due to constipation and hard stool

cause anal trauma mostly at the post midline (most common site (bcz less blood supply and less elasticity)

common in female (vaginal delivery) unusual site of

fissure (crohns (not common in ulcerative) TB and malignancy)

anal fissure below dentate line so it is very painful

treatment

local anesthetic (systemic and local) and nitroglycerine (to decrease the sphincter muscle tone which will cause the constipation so nitroglycerin decrease the tone which will cause increase blood supply which will cause increase healing)

worm sets pag

signs of chronicity of anal fissure

in acute the base of the fissure is red

in chronic the base is white and hypertrophied anal papillae and sentanile tag

sentanile lobe in pancreatitis is in jejunum and in appendicitis is in ileum

sentanile lymphnodes is the first lymph node the tumor metastasis to it
this definition commonly used in breast

acute anal fissure should treat conservatively but chronic treat by surgery (partial lateral anal sphincterotomy (gold standard) lateral because better risk of incontinence and other treatment is buttox

blood in fissure is bright red bcz arterial source

hemorrhoid (is normal structure in the anal canal called cushions (function are continence)

cushion enlargement cause hemorrhoid

the blood from fissure (arterial) is bright red

the blood from hemorrhoid (venous) also bright red how?

bcz arterials and venous connected to each other

cause of swelling of cushions ??

increase IAP

due to straining due to constipation

internal hemorrhoids seen but not palpable in DRE

what is the difference between internal hemorrhoid grade 4 and external hemorrhoid how to differentiate between them ??

the tissue type

external squamous (similar to skin)

internal columnar epithelium

abscess treatment is incision and drainage not aspiration becuz the pus is thick cannot aspirate it

submucosal abscess presentation ??

1) felt in DRE but not seen in anal inspection

called puge area (tender area)

but in subcutaneous abscess called induration)

treatment of the submucosal abscess is drainage from extramucosal site

intersphigteric or ischioirectal are the same

if large may seen as swelling in the skin

intersphigteric not seen not felt

most common anal tumor is squamous cell carcinoma

most common risk factor for SCC is HPV 16 18

anal tumors treated by nigro regimen

panful anal conditions حكا الدكتور بالسمنار تاع

* Throbbing pain ...indicate abscess
and can't be present if there's discharge of th abscess

* If there's recurrent abscess this indicate presence of
fistula that best diagnosed by MRI

* DM is a risk factor for fistula
necrotizing fasciitis ومرضو ممكن تخلي المريض يجي ب

* it's important to know if the pt has DM or not... due to
chronic attacks of infection

* in the S.C abscess due to trauma the fistula not
occurred