





Rectal Examination



Anatomy I

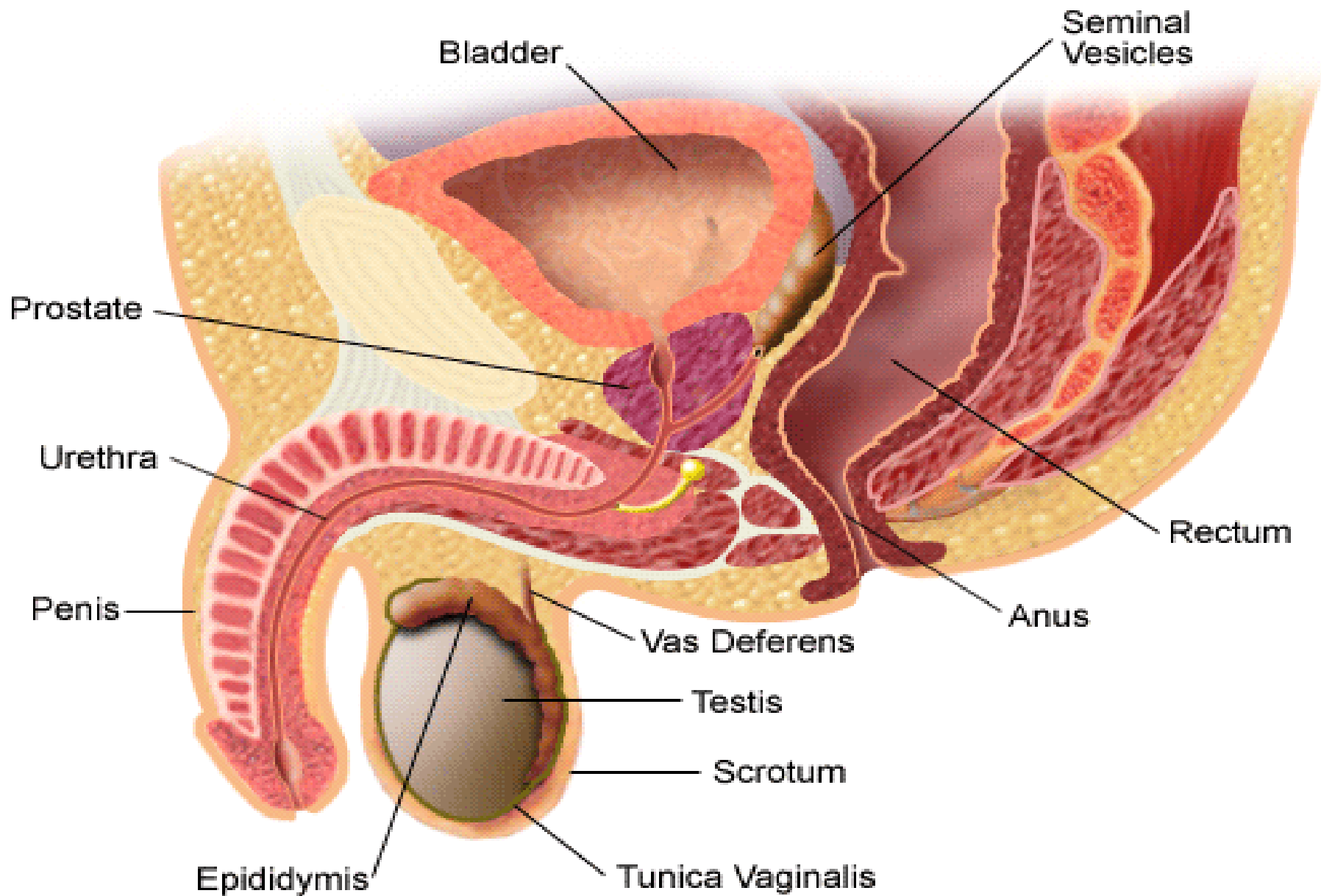
- The rectum is the curved lower, terminal segment of large bowel.
 - It is about 12 cms long and runs along the concavity of the sacrum.
 - Anterior to the lower 1/3 of the rectum lie different structures in men and women
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Anatomy II

- In men, anterior to the lower 1/3 of the rectum lie the prostate, bladder base and seminal vesicles.
 - In women, anterior to the lower 1/3 of the rectum lies the vagina. At the tip of the examining finger it may be possible to feel cervix and even a retroverted Uterus
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Male Reproductive Tract



Oviduct
Ovary
Fimbriae
Uterus
Urinary bladder
Pubic bone
Urethra
Clitoris
Labium minora
Labium majora

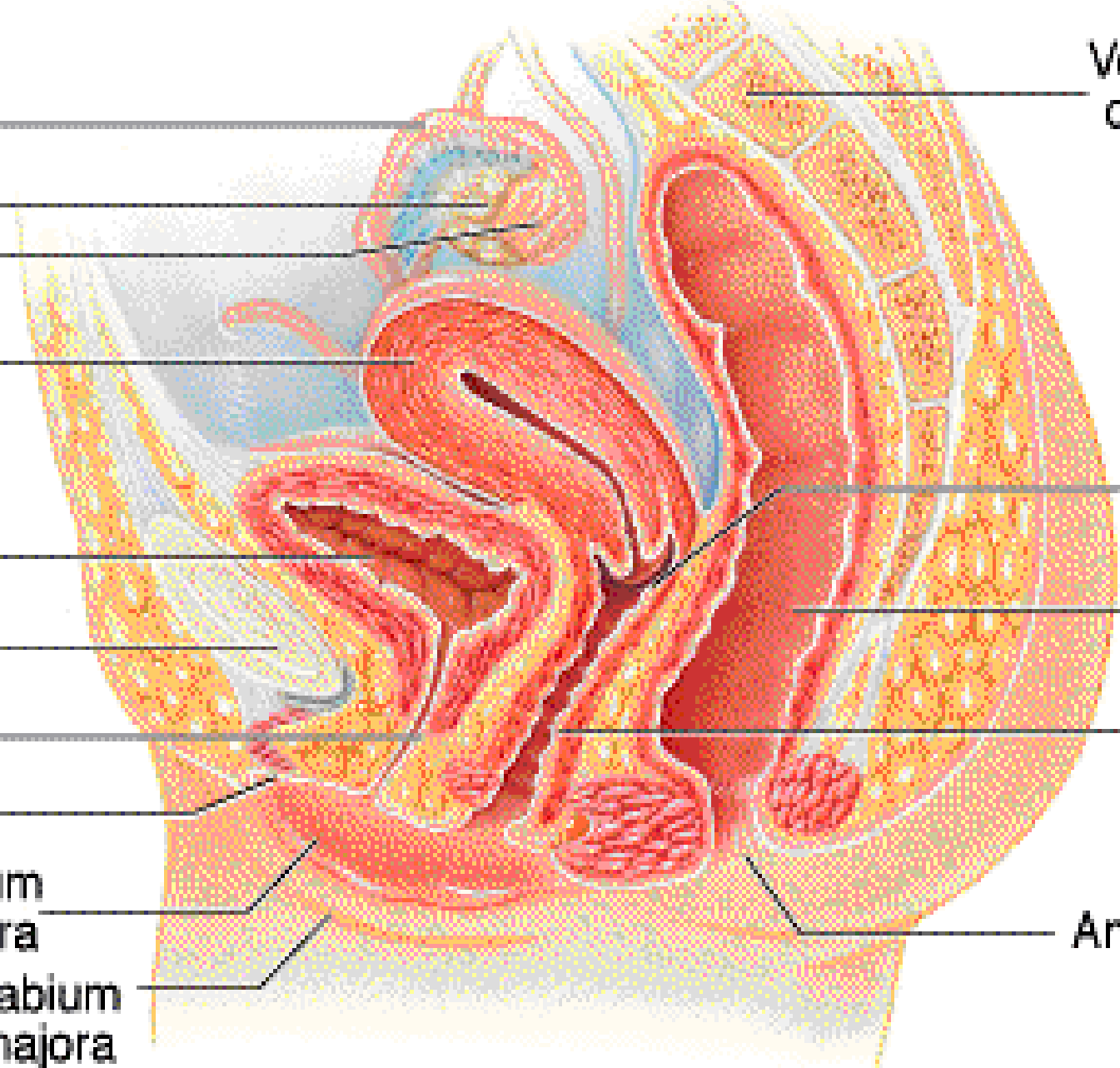
Vertebral column

Cervix

Rectum

Vagina

Anus



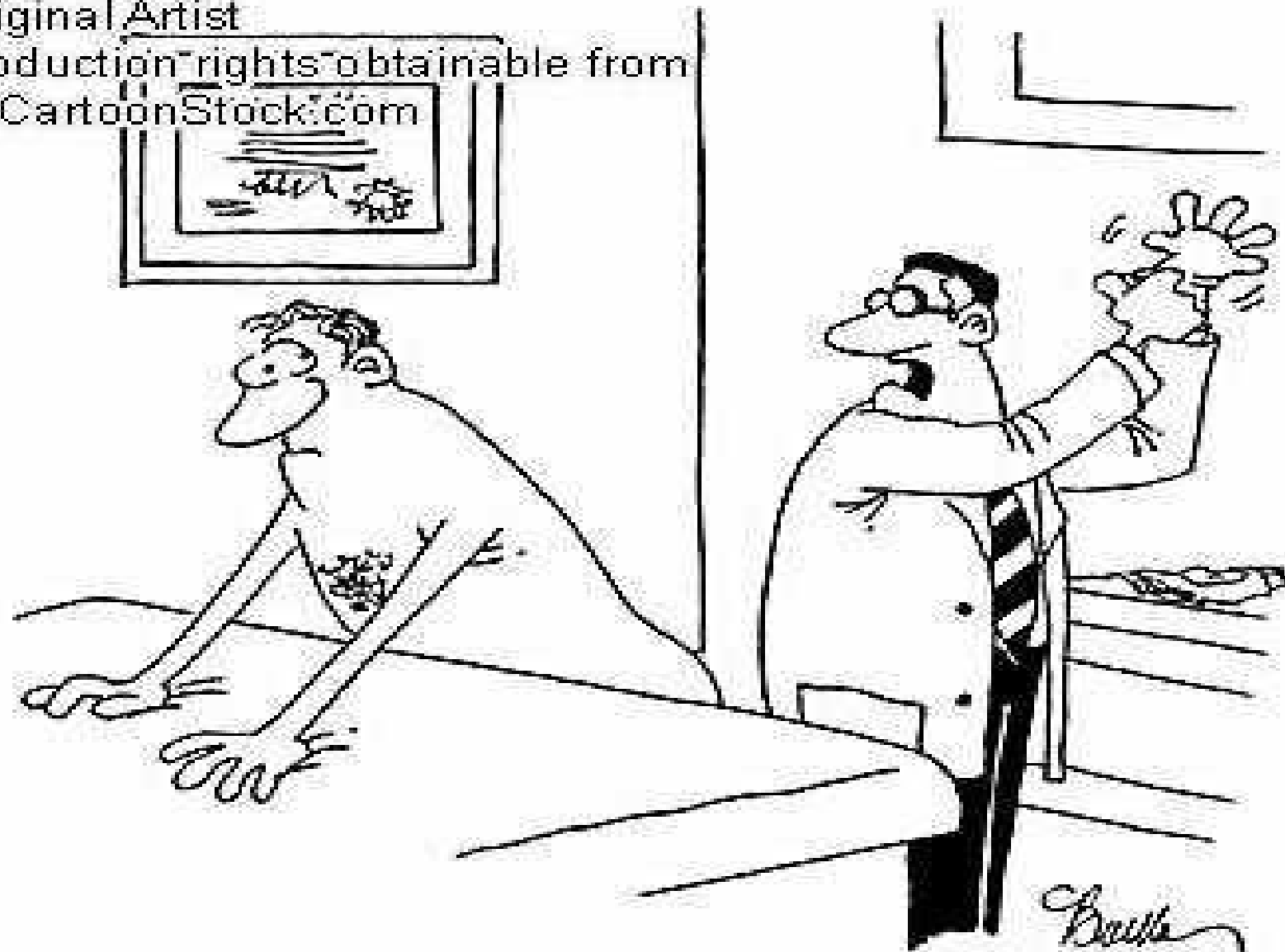
(a)



When is it done?

- This is an intimate and sometimes uncomfortable examination which is most often done when disease (usually gastrointestinal or genitourinary disease) is suspected or already identified.
 - It may also be done as part of a screening examination when there is no suspicion or expectation of disease but the examination is performed as part of a thorough screening process.
 - It is important in all cases to explain the reasons for the examination and to get verbal consent.
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"Honestly, if there was a virtual prostate exam, don't you think I'd want to be the first to know?"

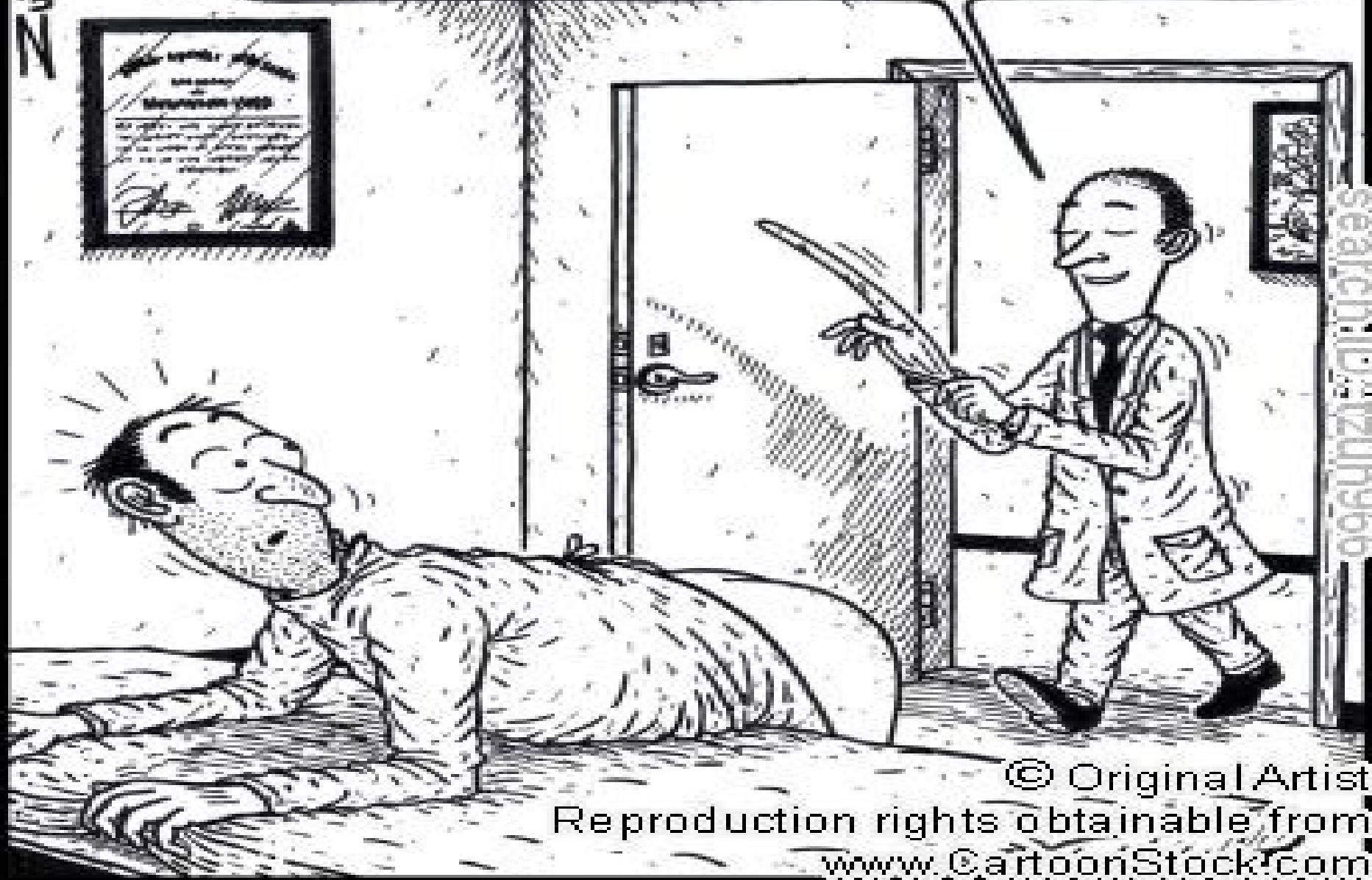


Indications for R.E.

- ❑ Assessment of the prostate (particularly symptoms of outflow obstruction).
 - ❑ When there has been rectal bleeding (prior to proctoscopy, sigmoidoscopy and colonoscopy).
 - ❑ Constipation.
 - ❑ Change of bowel habit.
 - ❑ Problems with urinary or faecal continence.
 - ❑ In exceptional circumstances to detect uterus and cervix (when vaginal examination is not possible).
-

ZWALTA

HELLO MURRY, I'M DR. ROSS,
YOUR PROCTOLOGIST.



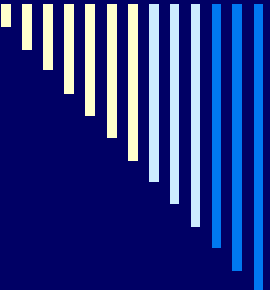
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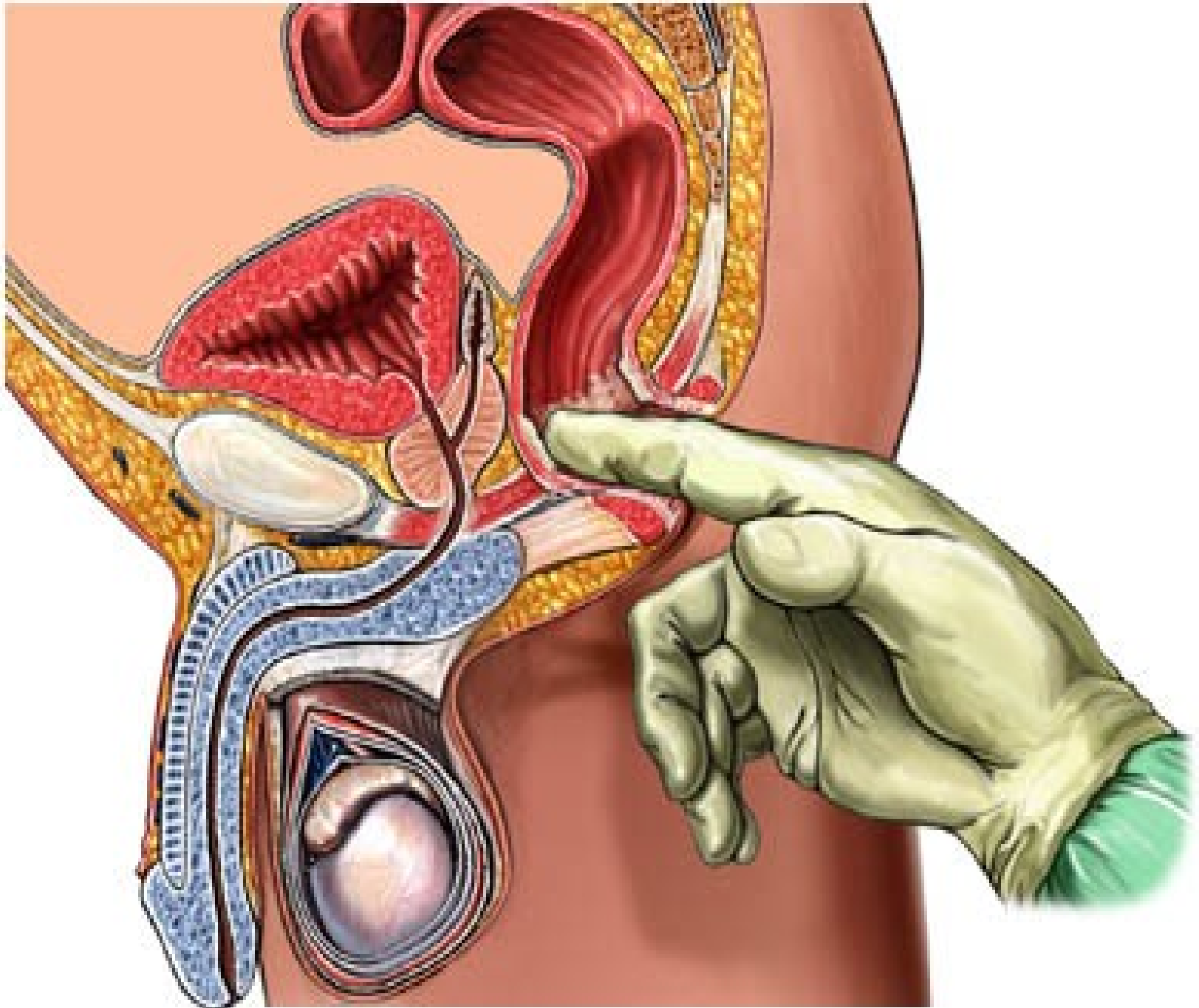
Procedure

- The finger is then moved through 180°, feeling the walls of the rectum.
 - With the finger then rotated in the 12 o'clock position, helped usually by the examiner bending knees in a half crouched position and pronating the examining wrist, the anterior wall can be palpated.
 - Rotation facilitates further examination of the opposing the walls of the rectum. In men, the prostate will be felt anteriorly. In women, the cervix and a retroverted uterus may be felt with the tip of the finger.
 - It is important to feel the walls of the rectum throughout the 360°. Small rectal wall lesions may be missed if this is not done carefully.
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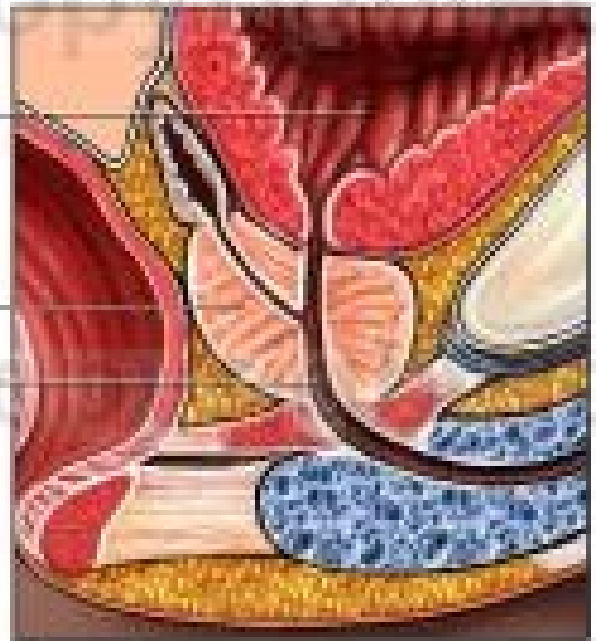


Examination of the Prostate Gland

- Normal size is 3.5 cms wide, protruding about 1 cm into the lumen of the rectum.
 - Consistency: it is normally rubbery and firm with a smooth surface and a palpable sulcus between right and left lobes.
 - There should not be any tenderness.
 - There should be no nodularity.
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Normal Prostate Anatomy



Bladder

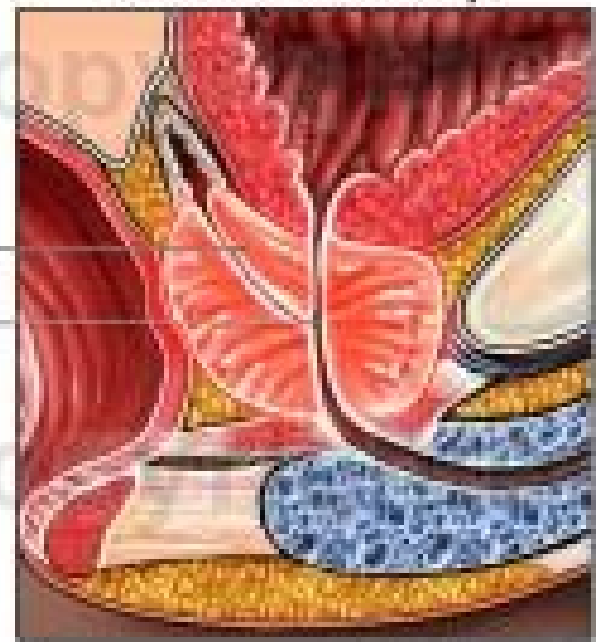
Prostate gland

Urethra

Normal Prostate Anatomy

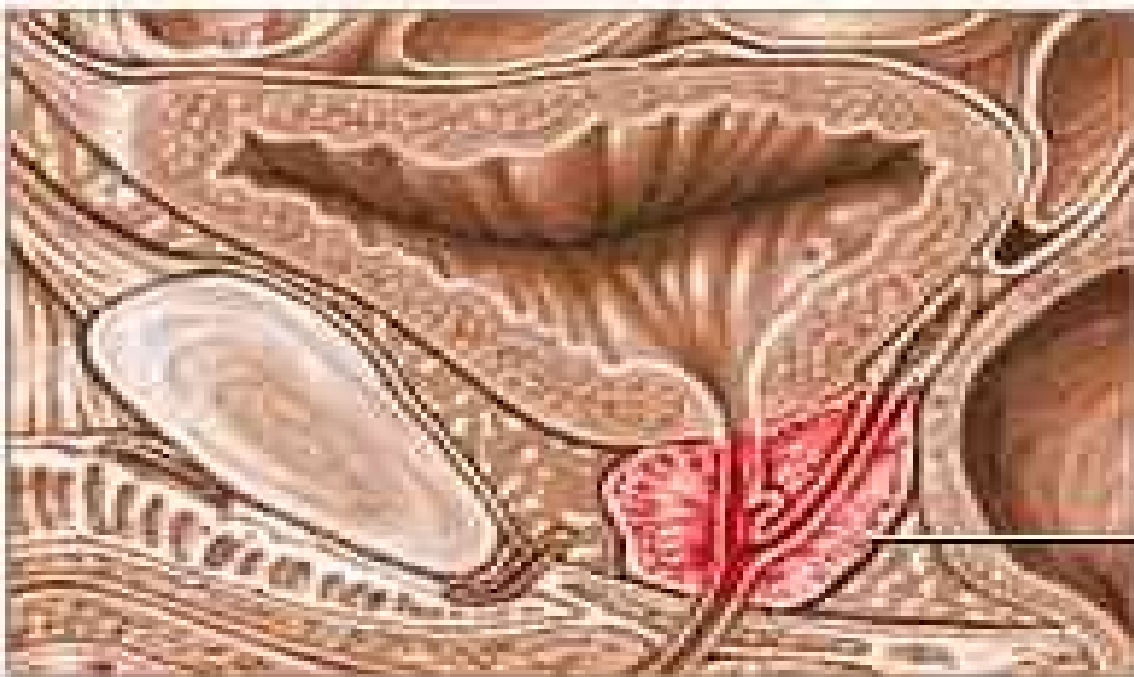


BPH Prostate Anatomy

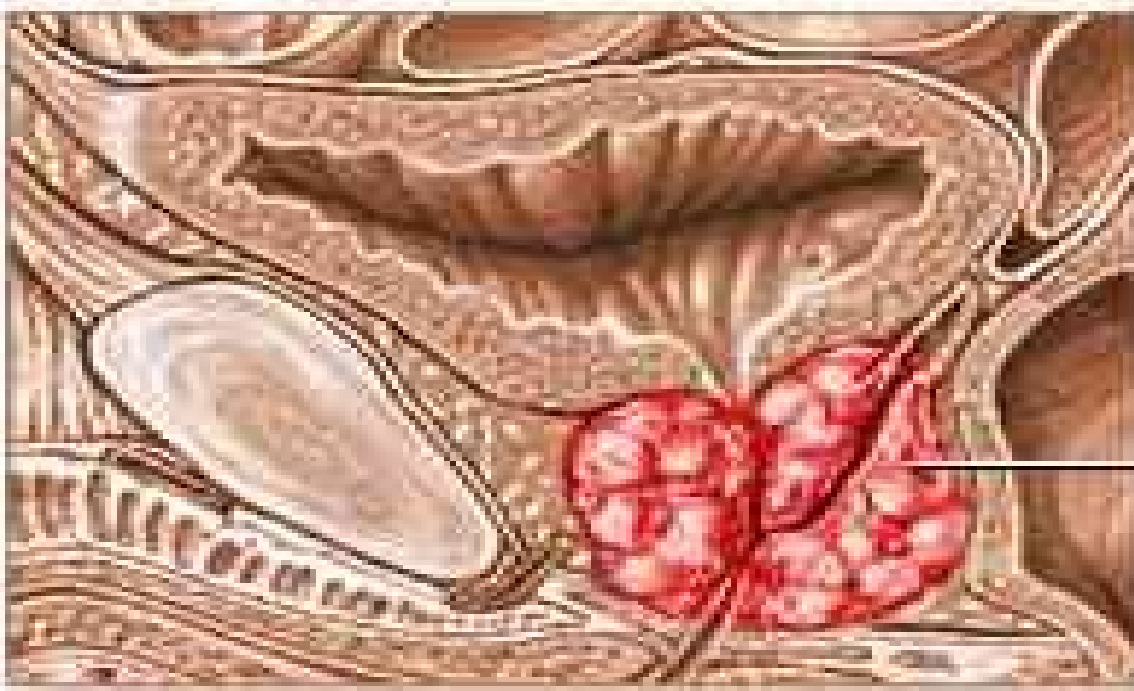


Enlarged prostate gland

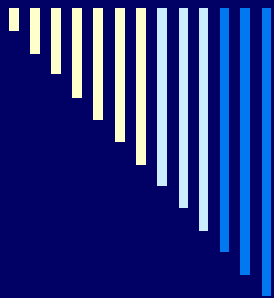
Constricted urethra



Normal prostate



Prostate cancer



- <http://beta.medicalvideos.us/videos-354-Rectal-Examinations>
- <http://beta.medicalvideos.us/videos-2539-Proctoscope-Medical-Examination-of-the-Rectum>



External Inspection

- Skin disease.
 - Skin tags
 - Genital warts
 - Anal fissures
 - Anal fistula
 - External haemorrhoids
 - Rectal prolapse
 - Skin discolouration with Crohn's disease
 - External thrombosed piles
-



Internal Inspection

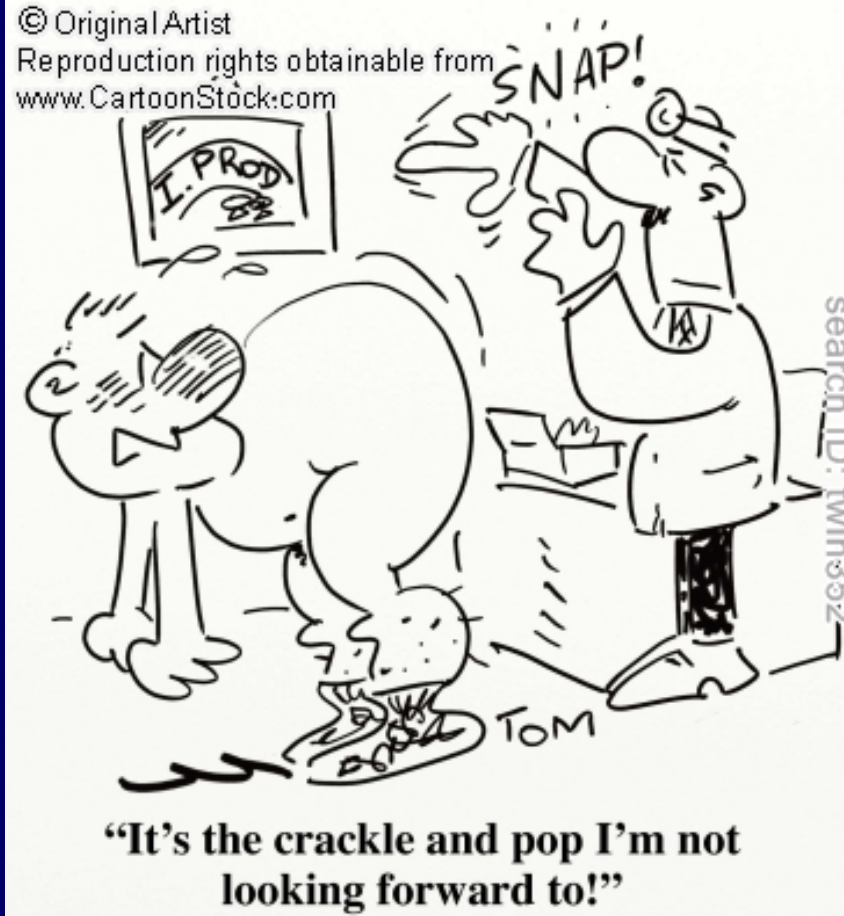
- Simple piles (but best examined at proctoscopy)
 - Rectal carcinoma
 - Rectal polyps
 - Tenderness
 - Diseases of the prostate gland
 - Malignant or inflammatory conditions of the peritoneum (felt anteriorly)
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Contraindications

- Imperforate Anus
 - Unwilling patient
 - Immunosuppressed patient
 - Absence of anus following surgical excision
 - Stricture
 - Moderate to severe anal pain
 - Prolapsed thrombosed internal hemorrhoids
-

THANKS FOR LISTENING



Are you on the right team?

PUB QUIZ

**19:30
14-04-2011**

@Tres Gallos

Prizes



Raffles

**Teams:
4 people max**

CH Team:

120kc

NCH Team:

160kc

more info: www.mimsa.cz

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