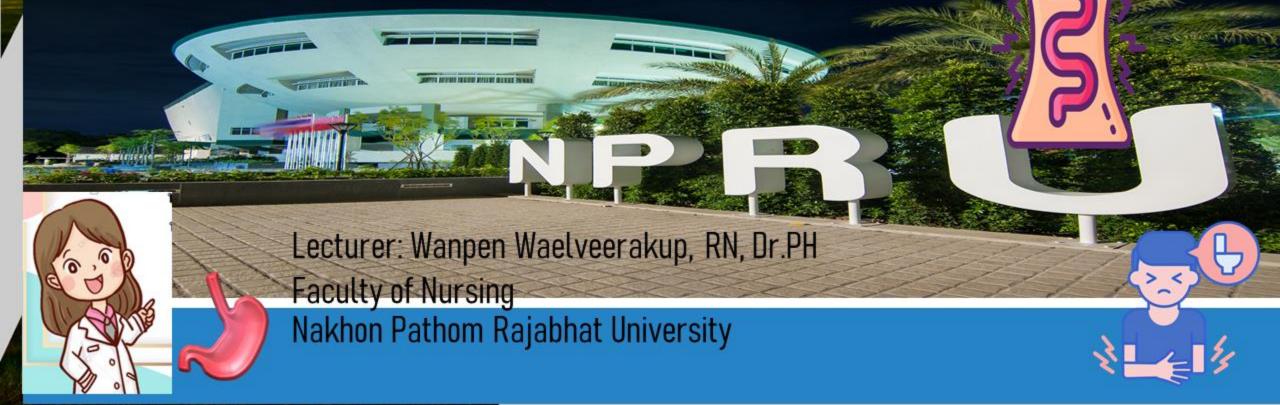




Topic 10 Case Study of Abdominal Pain



Lesson objectives



By the end of the topic students should be able to:-

assess health problems according to patient with abdominal pain,

determine differential diagnosis of patient with abdominal pain,

provide primary medical prescriptions and care for a patient

of topic

Scope

with abdominal pain

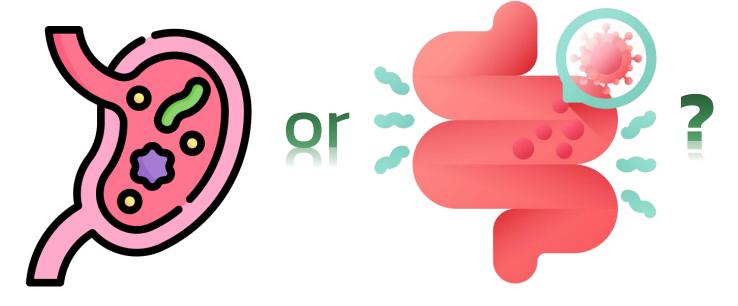
Problemlist

Differential diagnosis

Primary medical prescription

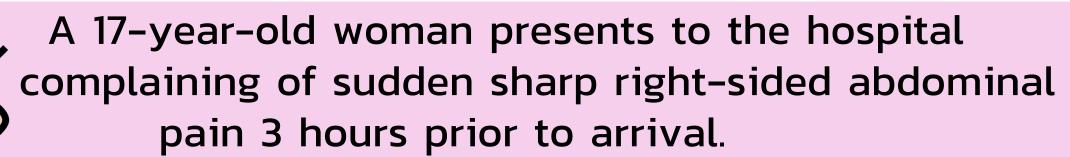


Case study of abdominal pain



Chief complaints





- ✓ History taking should attention to
- ✓ : progression of symptom (duration, rapidity of onset, intensity), associated complaints (e.g. anorexia, diarrhea, fever)
- Body position that tends to relieve pain,
- PE: sign of dehydration or fever, abdominal parts.

Case study



- A 17-year-old woman presents to the hospital complaining of sudden sharp right-sided abdominal pain 3 hours prior to arrive.
- She states the pain has been persistent since it began and now is radiating diffusely throughout her abdomen. It is associated with nausea, although the patient has not vomited.
- The patient denies fever, urinary symptoms, or vaginal discharge. Her L.M.P. was 10 days ago.
- The patient reports multiple episodes of similar symptoms over the last two years. She had an outpatient abdominal ultrasound done 6 months ago which was negative to her knowledge.
- The patient has no known drug allergies and denies abdominal operation procedures.

Physical examination 1



Vital Signs

T = 37.0 °C, P = 70 beat/min (bpm), fullness, regular rhythm,

R = 18 bpm, BP = 110/70 mmHg.

= 99% of room air oxygen saturation

BW= 55 kg, Ht.=160 cm.

General

The patient is awake and alert, looking acutely ill

Head and Face

Symmetry, Normal shape and size, Normal movement

Neck No jugular venous distension

Physical examination 2



Eye – no eyelids edema, conjunctiva not pale

Mouth dry lip and mucous membrane,

Buccal mucosa – pink, no inflammation nor erosions,

Tongue - Normal papillae, no sign of inflammation

Pharynx – no injection,

Tonsil – no injection

Skin – no edema, good skin turgor, no jaundice

Chest – normal chest contour, no adventitious sound

Heart – Apical beat at 5th Lt.ICS, MCL, normal s₁s₂, no murmur



Physical examination 3

Abdominal

- No distension, no surgical scars, no dilated veins,
- Bowel sound (BS) 18 bpm.
 (hyperactive bowel sounds)
- Abdominal wall soft, tenderness to palpation at McBurney's point.
- Liver not palpable
- Spleen not palpable
- Kidney not palpable, CVA no tenderness
- Genitalia: no abnormal discharge



- Rovsing's sign positive,
- Psoas's sign positive,
- Obtulator's sign positive

Problem lists



- sudden sharp right-sided abdominal pain 3 hours prior to arrive,
- 2. persistent pain & radiating diffusely throughout abdomen
- 3. nausea
- 4. dry lip and mucous
- 5. Abdominal wall tenderness to palpation at McBurney's point

Rovsing's sign positive,

Psoas's sign positive,

Obtulator's sign positive

Differential diagnosis

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- 1. Acute appendicitis
- 2. Salpingitis/Pelvic inflammatory disease
- 3. Renal calculus



Plan for diagnosis

(Physical order)

- > CBC
- > UA

Laboratory results



➤ Blood test: CBC

- Hct 45% (Normal 42-52%)

- WBC 14,500 cell/cu.mm.

(Normal 5,000–10,000 cell/cu.mm)

Neutrophils 75% (Normal 55-70%)

Eosinophils 0% (Normal 1–4%)

Basophils 5% (Normal 0.5–2%)

Lymphocytes 20% (Normal 20–40%)

Platelets 160,000 cell/cu.mm. (Normal 150,000-400,000 cell/cu.mm.)

>UA

- Urinalysis
- RBC 1 cell/HF

(Normal O-1 cell/HF)

- Epithelial cell 1-2 cell/HF(Normal O-1 cell/HF)
- WBC 4 cell/HF

(Normal 3-5 cell/HF)

Assessments & Analysis



Problem lists

- sudden sharp right-sided abdominal pain 3 hours prior to arrive,
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(Normal 3-5 cell/HF)

Final diagnosis: Acute appendicitis แหาวิทยาลัยราชภัฎนครปฐม



Specific treatment

Appendectomy

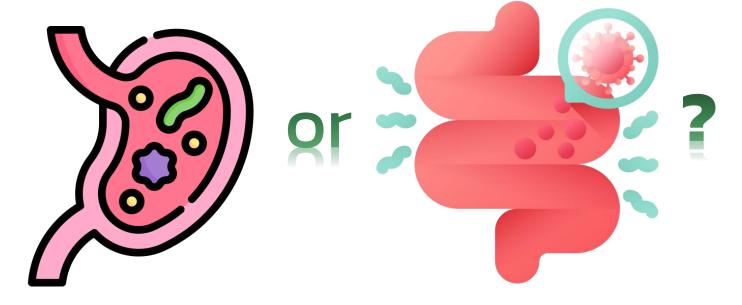
Antibiotic

Symptomatic treatment

- > NPO
- > Refer
- HealthEducationPatient & Parent



Case study of abdominal pain



Summary



- A 17-year-old woman presents with sudden sharp rightsided abdominal pain 3 hours prior to arrive.
- Abdominal pain has been persistent, radiating diffusely throughout abdomen, associated with nausea.
- Her physical examination presented signs of appendicitis such as McBurney's point tenderness, Rovsing's sign positive, Psoas's sign positive, and Obtulator's sign positive
- Her laboratory test showed infection.
- She have to refer to facility hospital for appendectomy.



Thank You!



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