Case conference 2013.03.20

Supervisor: Dr.楊毓錚 Speaker: PGY 黃琬堤

General data

- · Gender: male
- Age: 86 y/o
- Vital sign: T/P/R: 30.4/53/26 BP:125/55 mmHg
- Consciousness: E4V5M6
- · SpO2:92%

Chief complaint

· Abdominal pain for several days

Present illness

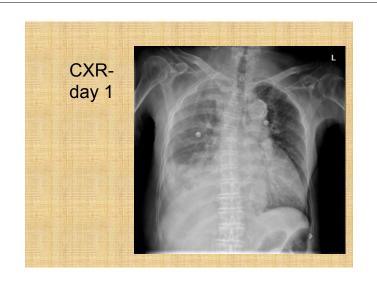
- Bed-ridden status due to dementia for 2 months
- Oliguria since yesterday
- · General edema for many days
- · No fever, diarrhea

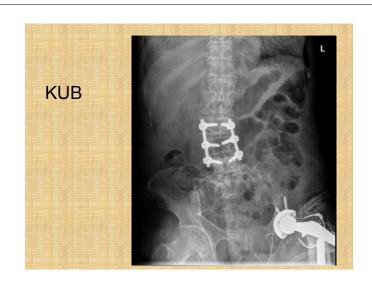
Personal history

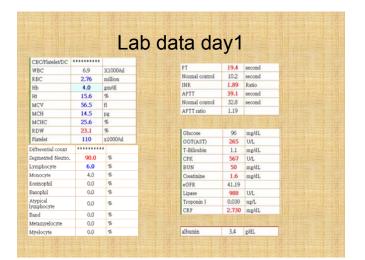
- · Occupation: retired farmer
- Medication
 - no DM
 - no HTN
- Surgery
 - hip
- Allergy
 - NKA

Physical examination

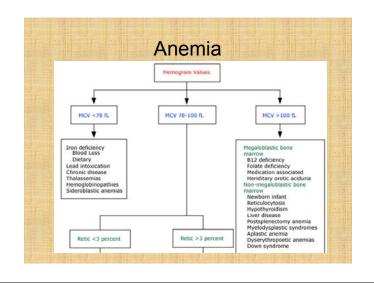
- HEENT: eyelid edema, pale conjunctiva
- · Chest: bilateral rales, right> left side
- · Abdomen: soft, diffuse muscle guarding
- Extremities: four limbs pitting edema, grade II

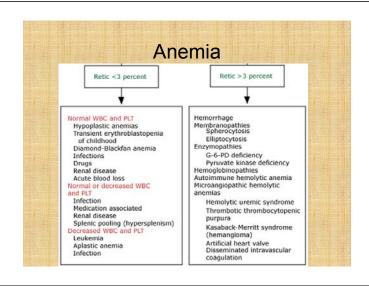


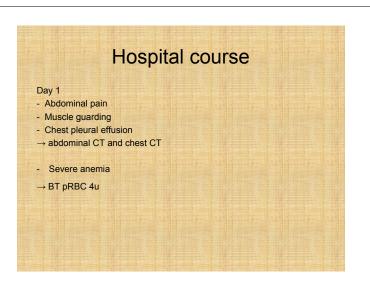


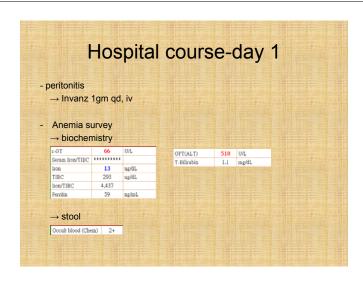


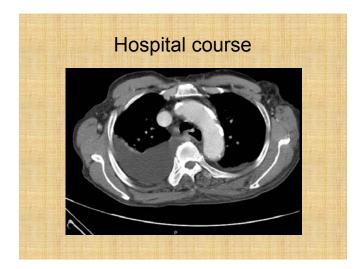
Tentative diagnosis 1. Abdominal pain, cause to be determined 2. General edema 3. Acute urine retention 4. R/o sepsis 5. Severe anemia

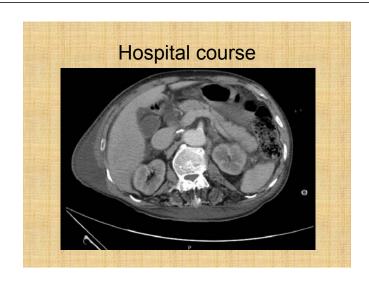


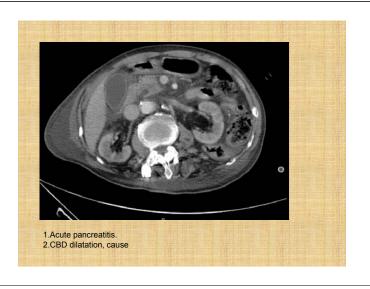


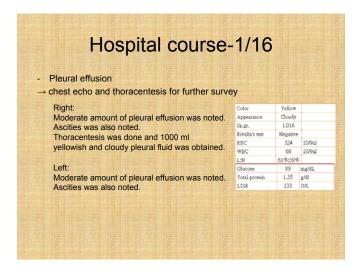


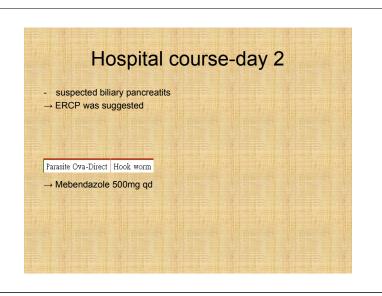


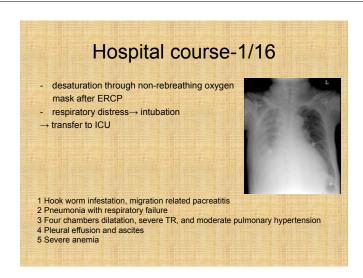


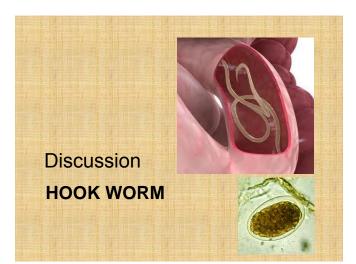




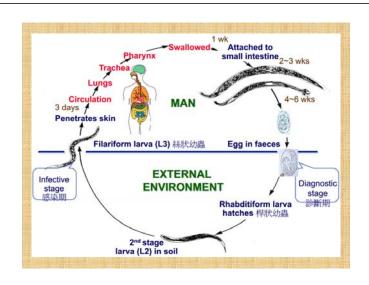


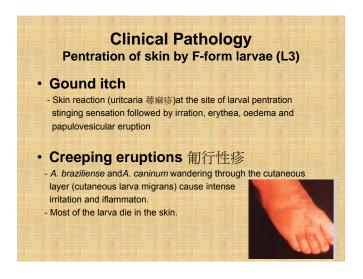












Clinical Pathology Migration of F-form larvae (L3)

- · During invasion of the circulation: Usually no ill-effects
- During migration through the lungs: Pneumonitis (肺炎) with cough (咳嗽), wheeze (哮喘), fever (發燒), transient X-ray shadows

Ancylostoma duodenale十二指腸鉤蟲 Necator americanus美洲鉤轟

- · Diagnosis- stool
 - Direct smear for eggs
 - Egg culture for1ststage larva (L1)
- Treatment
 - Mebendazole
 - Albendazole
 - Levamisole

tissue (chronic blood loss)

Clinical Pathology

Established intestinal infection by adult worms · Epigastric duodenal-type pain, indigestion, loss

- Occassionally associated with folate deficiency → Adult worms attach to duodenum and jejunum by

- □流行病學
 - ■全球性分佈 (溫暖潮濕地區)

of appetite or diarrhea

Hookworm anaemia (HWA)

- Losses of blood, iron and proteins

teeth or cutting plates (mechanical) → Worms move every 4-6 hours (blood leaking) → Worrms feed on blood from cut vessels and mucosal

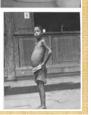
- - ■皮膚癢、皮膚炎、爬行疹(creeping eruptions)、咳嗽、肺炎、哮喘、發 燒、下痢、腹痛、嗜酸性白血球增

 - Ascites

Ancylostoma duodenale 十二指腸鉤蟲 Necator americanus 美洲鉤蟲







■熱帶、亞熱帶地區 □病變 & 臨床症狀

- ■貧血 (Hookworm anaemia) 造成缺鐵性貧血、葉酸缺乏
- Spoon nail

