

Initial order

- F/S(90)
- ABG (G6)
- WBC/DC, Hb, PLT
- BUN/Cr, Ketone, osmo, lipase, CRP
- PT/aPTT
- B/C x II
- CXR, U/A, U/C
- EKG
- N/S 250cc iv st, then 60cc/hr
- recheck BT(38.5)

U/A



WBC 1-2 /HPF Epithelial cell /HPF 1-2 Cast Not Found /LPF

.cast-amount

Crystal Not Found /HPF

Cry-amount Bacteria +/-

Others Not Found PH: 7.538

PCO2: 24.5 mmHg PO2: 66 mmHg

HCO3: 20.9 mmol/L SpO2:95%

Na:134 K:3.2

HCT:38 Hb:12.9

Blood exam



• .WBC :18400

• .Seg: 92.2 %

• .Lymph : 3.6 %

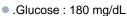
• .Mono : 3.9 %

.PLT:273000

PT: 11.7s • INR: 1.10

aPTT: 29.4s





.GOT: 25 U/L

.BUN: 16 mg/dL

.Cre: 0.9 mg/dL

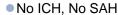
.ketone:-

.osmo: 268 mOsm/Kg

.Lipase: 58 U/L

CRP: 5.45 mg/dL

Brain CT



- Treat as pneumonia with Curam
- But p't still headache with amnesia & fever => Do lumbar puncture

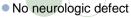
Lumbar puncture

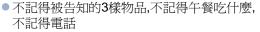
- Appearance : Clear
- Pandy's test: Negative RBC: 79 x 10/9ul
- Color: Colorless
- WBC: 2 x 10/9ul
- L:N: 2:0 Lactate: 20 mg/dL
- Glucose: 40 mg/dL
- Total-protein: 46 mg/dL
- LDH: 24 U/L
- Culture: negative Acid-fast stain: negative

Gram's stain

- .Squamous Epi. cell
- Not Found .Gram(+) Cocci
- .Gram(+) Bacilli Not Found
- .Gram(-) Cocci Not Found
- .Gram(-) Bacilli Not Found
- Not Found .Yeast .Fungi Not Found
- India ink Not found
- Latex Crypt Ag Negative

Neuro consultation





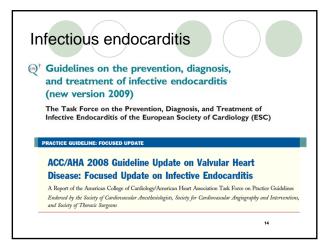
- Suggest do EEG & MRI to exclude temporal seizure or lesion; consult infection Dr.
- EEG: normal
- MRI: right parietal hyperdense, no recent infarct.
- attention & memory recovered to normal during f/u, no indication of neuro admission



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Admission to infection ward

- 7/30 Curam 1.2g q8h
- 7/31 ESR: 46, heart systolic murmur, Gr III, left lower sternal border => r/o infectious endocarditis => arrange heart echo (TTE)
- 8/1 B/C: Srep. mitis x2; right leg pain during walking, no skin lesion => favor tendinitis, pain control
- 8/2 TTE: Sclerosing change of AV, r/o vegetation of MV with moderate MR
- 8/3 TEE: Mitral valve prolapse with small vegetation and severe MR, r/o ruptured chordae tendineae of anterior leaflet, AV sclerosis=> shift ABx to PCN 300萬u q4h & Gentamicin 60mg g8h, Consult CVS: repair is indicated.
- 8/10 CRP: 5.45 -> 0.88
- 8/16 病人不想開刀, MBD with Amoxicillin 2# po qid, no fever during admission



Infectious endocarditis

- Clinical presentation: Fever(80~90%), Murmur (85%), nonspecific
- mitral valve: most affected
- Native valve endocarditis (NVE), acute and subacute
- Prosthetic valve endocarditis (PVE), early (< 60d, mortality較高) and late (> 60d)
- Intravenous drug abuse (IVDA) endocarditis: tricuspid valve
- Process:
- Bacteremia (nosocomial or spontaneous) that delivers the organisms to the surface of the valve
- Adherence of the organisms
- Eventual invasion of the valvular leaflets

