

# TB/HIV- case Presentation

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MUHAS

# E.E.M

- 11yoM, HIV +ve
- CD4 267cells/ $\mu$ l CD4% 11,
- viral load >750,000copies/ml
- Has had frequent illnesses ( lasting 3dys-1wk) for > 8mo prior to referral.
- Medications( Antibiotics, antimalarials, steroids) temporary relief of symptoms for 1-2mo .
- PAIDS WHO clinical stage 3
  - Recurrent cough
  - Recurrent Fever
  - Recurrent parotitis
  - PGL
  - oral thrush

# E.E.M

1<sup>st</sup> seen at DPP 4<sup>th</sup> Sept 2006,

(New episodes 3wks- Had completed antimalarial Rx, was on antibiotics –HIV screening)

- enlargement lymph nodes in the neck , axilla and groin
- Oral thrush 3/52
- Parotid swelling bilateral 1/12
- Pustules on anterior chest wall -1/52
- Cough with purulent sputum- 1/52
- No fever, no DIB
- Early childhood growth normal up to 8yrs of age
- Normal milestone development, going to school - std 4 pupil
- 1<sup>st</sup> born in a family of 2 children, 2<sup>nd</sup> born 5yrs HIV negative well.
- Father died 6yrs ago , was diagnosed with TB- sputum neg ,HIV status unknown

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O/E

- Afebrile, not pale, not wasted, No signs of respiratory distress.
- Extensive oral thrush
- Generalized lymphadenopathy (1-5 cm in size) tender, matted, skin intact
- Pustules on anterior chest wall, healed PPE scars on lower limbs

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- Wt 21kg; length 126cm ( both <5<sup>th</sup> centile for age )
- BCG scar
- RR 32bpm, clear chest
- CVS; normal
- PA; normal

# Evaluation

- CBC:
  - Hb 12.2g/dl (NCNC-RBC)
  - WBC 4.9, lym,2.0,GN 2.5,
  - PLT 546
- LFT: Normal

# Evaluation

## Tb evaluation

- Sputum- AFB neg X3, Culture at 8 wks +1AFB (1 specimen)
- Mantoux test ( no induration)
- CXR: Atypical pneumonia
- FNAC: extensive caseous necrosis with granulomas, AFB stain -inconclusive

# Diagnosis

- Disseminated TB
- PAIDS stage 3



# Treatment

- Anti tb therapy: RIM+Eth+PYZ – completed
- ARV:3TC+AZT+EFV
- CTX

# Progress

- Completed 8 mo course anti tb
- 11mo on ARVs
- Gained- weight (3kg) height (6cm)
- No cough
- LN 1-2cm, non tender
- CXR normal
- Sputum smear and culture neg X3
- FNAC 2mo after completing anti-tb:caseous necrosis, ZN- negative
- CD4 476, 18%; 607, 30%; 728, 37%