



ASIA FUNGAL
WORKING GROUP
an ISHAM working group



INTERNATIONAL SOCIETY FOR
HUMAN AND ANIMAL MYCOLOGY

Co-organized
with:



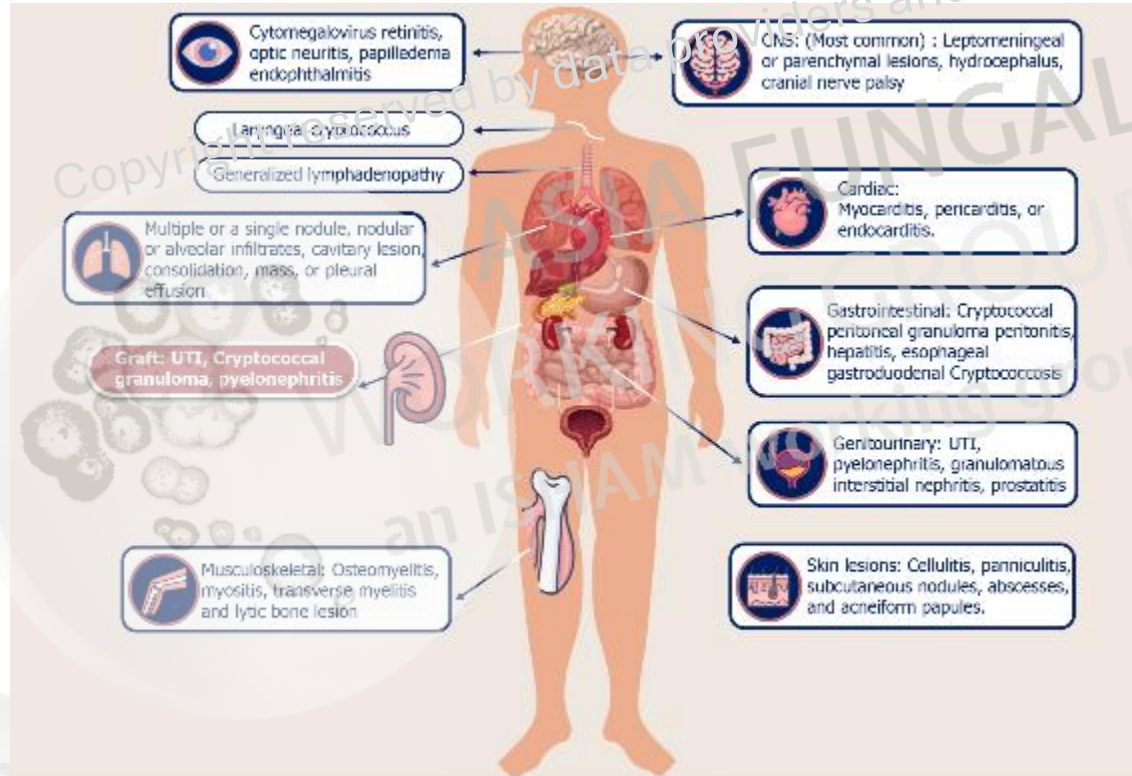
MMTN
MEDICAL MYCOLOGY
TRAINING NETWORK

Kartika Maharani

Case 3: Cryptococcal infection

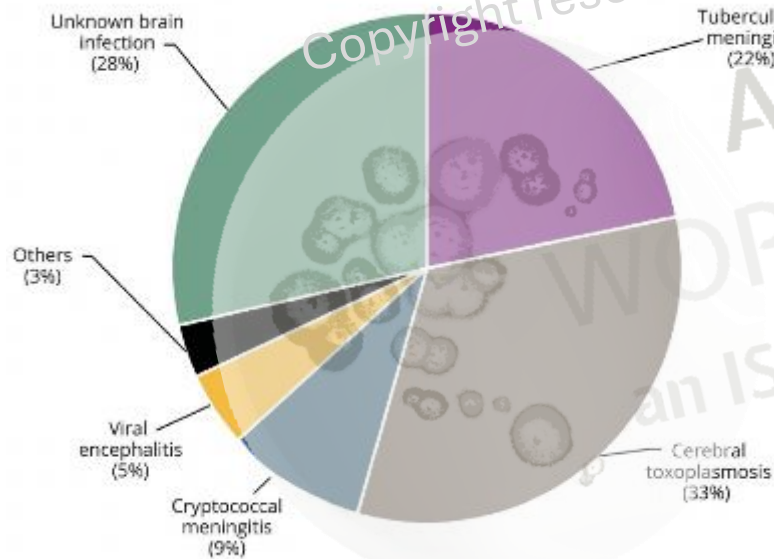


Cryptococcal infection

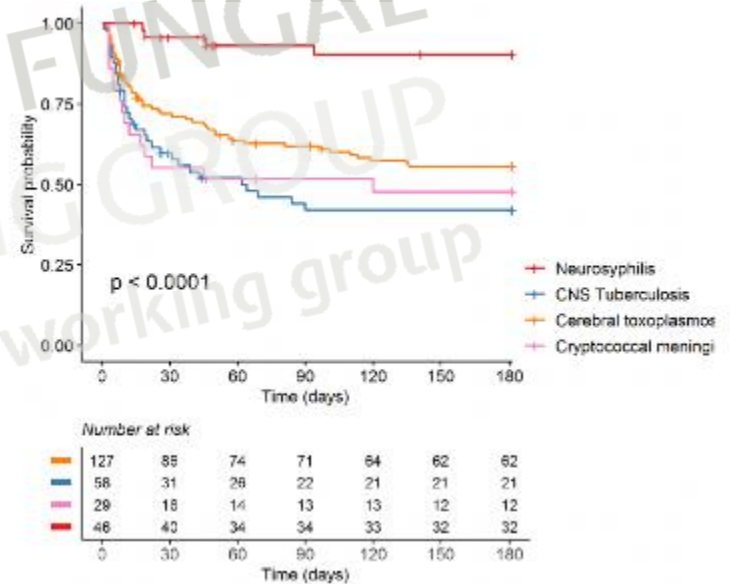


Epidemiology

CNS infections among PLHIV



Survival rate



Barriers in care



**“Straightforward”
Diagnosis**



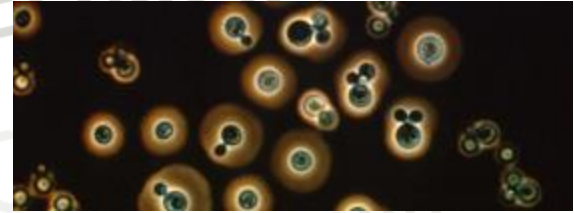
1. Clinical management
2. Fungal clearance
3. Treatment shortage
4. Treatment toxicity
5. HIV management

Patient 1



32 years

Presented to the ER with
2-days history of confusion
(New HIV diagnosis)



M, 32, HIV pos (History)



Somnolence
BP 170/100
HR 56bpm
O₂ 96%

Oral candidiasis
E3M5V4
Nuchal rigidity
No hemiparesis



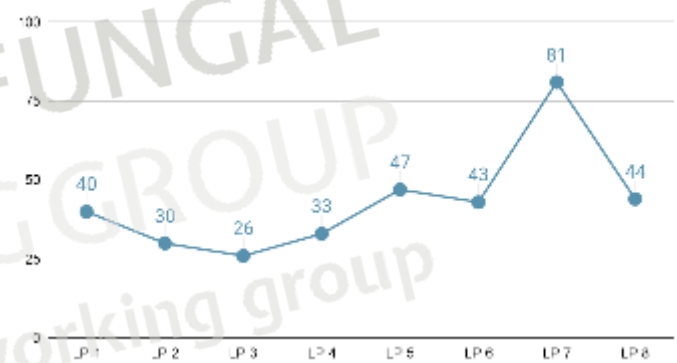
M, 32, HIV pos (History)



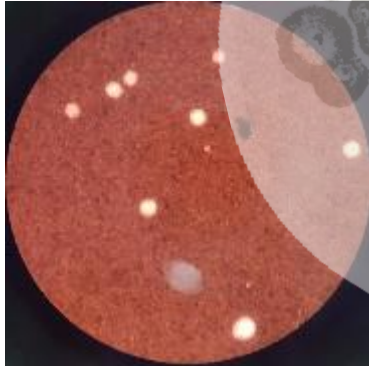
Opening pressure 44cm

Cells 89 (80% lymph)
Protein 37mg/dl
CSF glucose 25mg/dl
Serum glucose 75mg/dl (35%)

Serial opening pressure



Amphotericin B deoxycholate (1gram/KgBW)
Fluconazole 800mg/day



Therapeutic lumbar puncture
(Twice daily)



Deceased
(Herniation)

Patient 2

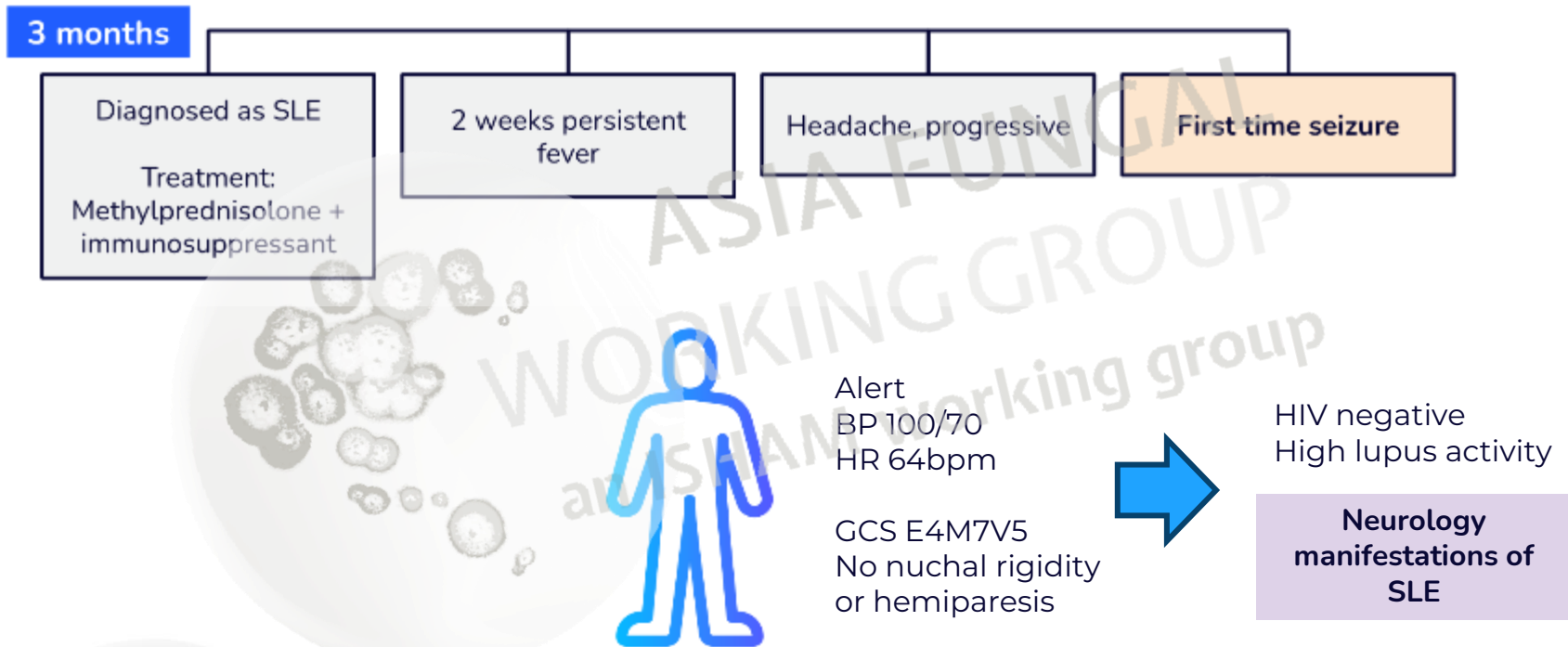


23 years

Consulted with
Severe headache for 1 week



F, 23, HIV neg (History)



F, 23, HIV neg (Evaluation)



Severe headache
Blurred vision + vomiting



Opening pressure 42cm

Cells 95 (60% lymph)
Protein 41mg/dl
CSF glucose 17mg/dl
Serum glucose 98mg/dl (17%)
Indian ink positive



Amphotericin B
NOT AVAILABLE!

Fluconazole 1200mg IV
Therapeutic lumbar puncture

Deceased
(Herniation)

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60%

Death among patients with cryptococcal meningitis
(90% HIV positive)

Cryptococcal meningitis in Indonesia

Indonesian Brain Infection Study Cohort (2019-2025)



n=32
Median age 33



40% female



86% HIV positive
76% CD4 <50
44% on ART

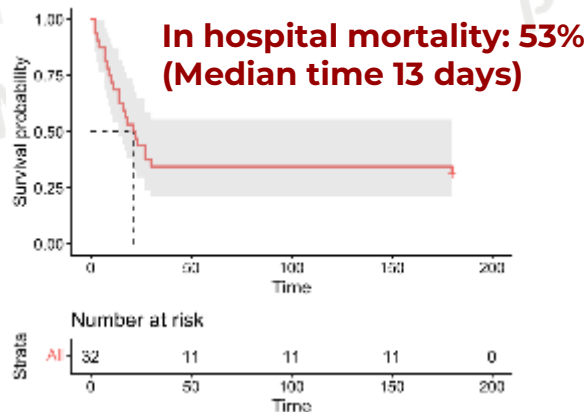
Advanced HIV disease



Cells 25 (<5)
Protein 62 (<45)
Glucose ratios 15% (>50%)
Culture: *Cryptococcus* sp.



Survival



Prevention & early detection



Advanced HIV disease



Step 1

History and physical exam

Step 2

TB symptom screening

Step 3

**Meningitis screening
(include serum CrAg)**

Step 4

Treat other OIs

Step 5

Start cotrimoxazole prophylaxis

Step 5

Start ART with adherence support



Co-organized
with:



Terima Kasih

