

# Cryptococcal meningitis protocol

Lumbar puncture: send for

Day	Examinations	CSF volume(ml)	Medications
Day 1	<b>A. CSF</b> Cell count TP, Glu, Lac, Cl Bact culture Fungal culture: Viral culture TB culture Cryptococcus Ag Pneumococcus Ag Cytology India ink, g/s, AFS Extra CSF (Chief R)	0.5-1 0.5-1 1 3 2 3 1 0.5 1 2 3	*Amphotericin B, 0.7–1 mg/kg/d *Flucytosine, 100 mg/kg/d Hydration ** Hyperosmotic agents  *for 2 weeks **depending on clinical status
	<b>B. Blood</b> Serum Cryptococcal Ag CBC/DC BUN, Crea Na, K, Mg, Ca GPT, GOT, ALP. T-bil Fungus culture: blood		
	<b>C. Urine</b> Fungus culture: urine U/R		
	<b>D. Others</b> CXR HIV CD4 and viral load(if HIV positive)		
Day 3	<b>A. CSF</b> Cell count TP, Glu, Lac, Cl Fungal culture: Cryptococcus Ag India ink		

	Extra CSF (Chief R)		
	B. Blood Serum Cryptococcal Ag CBC/DC BUN, Crea Na, K, Mg, Ca GPT, GOT, ALP. T-bil Fungus culture: blood		
Day 7	Repeat A, B of Day 3 Creatinine clearance		
Day 10	Serum Cryptococcal Ag CBC/DC BUN, Crea Na, K, Mg, Ca GPT, GOT, ALP. T-bil Blood and urine culture (till negative for 2 consecutive occasions)		
Day 14	Repeat A, B of Day 3 Creatinine clearance		
Day 15- 75 (10 wks)	Serum cryptococcal Ag (Week 2,4,6,8,10)		Fluconazole 400mg/d for 10 weeks

*\* CSF will be obtained every week during therapy until CSF culture is negative on 2 occasions.*

*\* CSF will be examined after 2,4 weeks and 6,12 months of follow up in an attempt to evaluate any short term and long term sequelae*