



1 MODIFIED VELLORE GRADING

I	GCS 15
	Headache, vomiting, fever ± neck stiffness
	No neurological deficit
II	GCS 15
	Neurological deficit present
III	GCS 9-14
	Neurological deficit may or may not be present
IV	GCS 3-8
	Neurological deficit may or may not be present

2 MEDICAL MANAGEMENT

I. Anti-Koch's Therapy

Recommended Doses of First Line Anti-tuberculosis Drugs				
	Adults		Children	
	Dose and range (mg/kg body weight)	Daily maximum (mg)	Dose and range (mg/kg body weight)	Daily maximum (mg)
Isoniazid	10 (8-12)	900	10 (10-15)	300
Rifampicin	10 (8-12)	600	15 (10-20)	600
Pyrazinamide	35 (30-40)	-	30 (30-40)	2000
Ethambutol	30 (25-35)	-	20 (15-25)	1200

Dosage schedule for Fixed Drug Combination of WHO-recommended strengths					
Adults	Initial phase	Continuation phase	Children	Initial phase	Continuation phase
Patient's body weight (kg)	HRZE Daily	HR Daily		HRZ Daily	HR Daily
30-37	2	2	≤ 7	1	1
38-54	3	3	8-9	1.5	1.5
55-70	4	4	10-14	2	2
≥ 71	5	5	15-19	3	3
			20-24	4	4
			25-29	5	5

2 MEDICAL MANAGEMENT

II. Dexamethasone

Adults	Modified Vellore Grade	
Time	Grade I	Grade II-IV
Week 1	0.3 mg/kg/day IV	0.4 mg/kg/day IV
Week 2	0.2 mg/kg/day IV	0.3 mg/kg/day IV
Week 3	0.1 mg/kg/day oral	0.2 mg/kg/day IV
Week 4	3 mg total/day oral	0.1 mg/kg/day IV
Week 5	Reduce by 1 mg each week over 2 weeks	4 mg total/day oral
Week 6-8		Reduce by 1 mg each week over 3 weeks
<ul style="list-style-type: none"> • Maximum of 20 mg/day • Shift IV to oral therapy as soon as feasible 		
Pedia		
<ul style="list-style-type: none"> • Start at 0.6 mg/kg/day IV for 2 weeks • Then Dexamethasone 0.5 mg/kg/day or Prednisone 1-2 mg/kg/day PO • Taper by 25% per week 		

III. Mannitol

Adults	Children
0.5 – 1 g/kg	2.5 – 5 cc/kg

IV. Acetazolamide

Adults	Children
250 mg TID	30 mg/kg/day

3 SERIAL LP

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| <p>I. If with increased CSF pressure:</p> <p>A. Adults: Obtain not more than 30cc. Bring CSF pressure to normal</p> <p>B. Children: Maximum of 15 cc (7-18 years old)
Maximum of 10 cc (2-6 years old)</p> | <p>II. If with normal CSF pressure:</p> <p style="padding-left: 20px;">– Diagnostic analysis only</p> |
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References

1. Treatment of Tuberculosis: guidelines. 4th ed. Geneva, World Health Organisation, 2010 (WHO/HTM/TB/2009. 420
2. Bulletin of the World Health Organization, 2001, 79 (1)
3. Thwaites, G., Fisher M., Hemingway, C., Scott G., Solomon T., Innes, J., British Infection Society guidelines for the diagnosis and treatment of tuberculosis of the Central Nervous System in adults and children, Journal of Infection (2009) 59, 167-187.