



NIGERIA CENTRE FOR DISEASE CONTROL

CEREBROSPINAL MENINGITIS CASE MANAGEMENT GUIDE



HEALTH FACILITY - Screen for sudden onset of fever (Temperature >38.5°C - rectal or >38.0°C - axillary) and **ONE** of the following: *Headache, neck stiffness, altered consciousness, vomiting, poor appetite and bulging fontanelle* in infants.



DESIGNATED TREATMENT CENTRE

1. Collect CSF sample
2. Administer medication according to standard protocol
3. Complete case investigation form
4. Complete laboratory form
5. Notify LGA DSNO to send sample to designated State laboratory with the case-based and laboratory forms

UNDESIGNATED TREATMENT CENTRE

1. Immediately notify the LGA DSNO or contact mobile team where available
2. If staff are trained to do Lumbar Puncture (LP) procedure, follow steps for a *designated CSM treatment centre*
3. Commence treatment immediately according to standard protocol
4. If no staff is trained to do LP,
 - a. Contact LGA DSNO/EPR team to collect CSF sample
 - b. If antibiotics have already been administered, mobile team to collect CSF if within two hours of first dose
5. Complete case investigation form and refer immediately to designated treatment centre if medications are unavailable or unable to manage case

LABORATORY TEAMS:
[To Do On Daily Basis]

- Receive and document sample ensuring that each sample is linked to an Epid Number
- Screen sample for integrity based on laboratory SOPs
- Test all CSF samples received using Pastorex AND culture
- Send aliquots to NCDC Laboratory, Gaduwa for PCR
- Feedback results to the surveillance team on results

SURVEILLANCE TEAMS: [To Do On Daily Basis]

Reporting & Case Search

- Active case search
- DSNO or designate to assign Epi Number to all new suspected cases that meet the Standard Case Definition
- Fill case- based form for each case and if more than five (5) cases use the line list form
- Collate case forms
- Identify contacts of cases for sensitisation

Sample Management

- Collect and package sample from health facility (H.F) and transport to designated laboratory
- Follow-up with laboratory and collect sample result
- Provide feedback on sample result to H.F

Analysis

- Maintain and update line list
- Analyse case forms at Ward and LGA level to determine threshold (pre-alert, alert and epidemic)
- Send report to State Epidemiologist /DSNO



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