Decision-Making Algorithm – BCG Vaccination

Fill out Section A of *Form for BCG vaccination* to determine the child's admissibility for vaccination with BCG

Contraindications for vaccination

- Immune problem acquired at birth within immediate biological family
- Biological mother and/or child HIV-positive
- Problem with immune system, inherited from biological parents
- Positive result for SCID test

Specific precaution

- Prescription for biological agents during pregnancy for mother, in case of infant under six months

YES → Refer to attending physician for further PRN assessment. If the contraindication is confirmed, enter in file and in immunization registry (SI-PMI).

NO

SCID result received: negative

NO → If results not received within the established timeframe, contact the person in charge according to the trajectory of the health center. Reschedule vaccination upon reception of result.

YES

Exposure

- Prescription for tuberculosis medication (window period for prophylaxis, treatment for latent TB or active TB)
- Significant prior TST[1]
- Contact of case of active TB

YES → Reschedule appointment for vaccination at end of treatment / end of care by TB nurse

NO

Evaluation of necessity of TST before vaccination

- < 2 months: Administer BCG without prior TST.
- 2 to 6 months: According to nurse's clinical judgment and decision shared with parent according to risk of exposure to tuberculosis.[2]
- > 6 months to < 24 months: Perform TST and administer BCG if TST result not significant.[1]

Fill out Section B of *Form for BCG vaccination*
If indicated, administer BCG

[1]

TST not significant	< 5 mm in priority village OR < 10 mm in non-priority village*
TST significant	≥ 5 mm in priority village OR ≥ 10 mm in non-priority village*
Conversion	≥ 6 mm between current TST and prior insignificant TST or current TST ≥ 10 mm

*For list of priority villages, refer to TB took kit.

[2] To assess the risk of infant's exposure to TB: ask the parents about the history of active or latent TB among the other members of the household where the infant lives and among any other relative or friend who spends time with the child.

Procedure to follow by vaccinator according to result of assessment of risk of exposure to TB:

- Perform a TST in a single step before administering the BCG vaccine if the risk of prior exposure to tuberculosis is high; OR
- Administer the BCG vaccine without performing a TST if the parent refuses or in case of a possibility that the infant does not return for vaccination after undergoing the skin test.