

The Guidance for the Diagnosis and Treatment of Tuberculosis in Children of the Republic of Tajikistan

Second Updated Edition,
November 2013

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- The first edition of the national guidelines for treatment of tuberculosis in children was released in 2011.
- They followed the existing WHO guidelines «Guidance for national tuberculosis programmes on the management of tuberculosis in children» released in 2006, updated with «Rapid advice - Treatment of tuberculosis in children » WHO 2010.

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The guidelines were reflecting the latest international recommendations existing at that time:

- New paediatric dosing of H R Z E,
- Streptomycin removed from 1st line regimen for pulmonary TB and TB lymphadenitis
- New regimen for TB meningitis and osteoarticular TB (2RHZE/10HR)

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Since then there has been major development in TB treatment and diagnostics:

- New rapid diagnostic methods (Xpert MTB/RIF, Hain Genotype MTBDR) in use
- New WHO definitions and reporting framework for TB
- New drugs from Group 5 for treatment of MDR TB- Clofazimine, Linezolid, Amx/Clv,
- New paediatric dosing of DR TB medications
- New WHO recommendations for HIV infected children

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The new edition of the guidelines was developed with the help of Medecins Sans Frontieres, which have worked in Tajikistan in the programme of treatment of drug resistant TB in children since 2011.

Other actors involved in treatment of tuberculosis in children in Tajikistan were consulted (WHO, UNDP, USAID, KNKV)

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The second edition has been largely updated and developed:

1. Diagnosis of tuberculosis in children:

- new diagnostics available- Xpert MTB/RIF, Hain Genotype MTBDR, their use in pulmonary and extrapulmonary samples,
- Culture and DST examinations reflecting the current possibilities in Tajikistan
- Material collection procedures

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2. New 2013 WHO case definitions based on the anatomical site, previous TB treatment, HIV status and drug resistance

3. TB Treatment:

- Regimens and dosing for drug sensitive TB
- TB meningitis with use of corticosteroids
- Regimen for empirical MDR regimen
- Practical detailed dosing of all TB medications in children for each weight

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3. Treatment of TB (cont.):

- Detailed regimens for drug resistant TB depending on the resistance pattern- mono resistance, PDR, MDR, MDR with resistance to second line drugs, XDR,
- Practical recommendations of use of group 5 drugs
- Detailed steps in management of the various side-effects
- Follow-up of TB treatment: routine tests for DS and DR TB

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4. New WHO definitions
5. Management of HIV co-infected children according to latest WHO recommendations
6. Distribution of TB medications in Tajikistan by National supply chain

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New edition will become a very practical tool for
each doctor involved in TB care in children in
Tajikistan.

Thank you for attention