

TBNN TB Treatment Guidelines Summary

1. Only update for treatment since 2003
2. Reliance upon Grading and PICO scores in addition to clinical expertise
 - a. Extensive review of literature and studies, often from outside of US
 - b. Many recommendations reflect the strength of the evidence reviewed, rather than the practicality or ease of implementation
3. Drug regimens (listed in preference order)
 - a. Rank 1 = 4-drug daily throughout treatment.
 - i. No clinical trials compare 5 d/w dosing vs 7 d/w
 - ii. Substantial clinical experience that both meet definition of “daily”
 - b. Rank 2 = 4-drug daily x 8 wks; 2-drug 3x/wk x 18 wks
 - c. Rank 3 = 4-drug 3x/wk x 8 wks; 2-drug 3x/wk x 18 wks
 - d. Rank 4 = 4-drug 7 d/w x 2 wks; 4-drug 2x/wk x 6 wks; 2-drug 2x/wk x 18 wks
4. Other common PICO-based recommendations
 - a. PICO 1 = Use case management interventions during treatment. Includes patient education/counseling, field/home visits, coordination of care w/ other providers, patient reminders, incentives & enablers.
 - b. PICO 2 = DOT remains the standard of care and should be used for all forms of TB
 - c. PICO 3 & 4 = provide rationale for preference of treatment regimens and dosing. Emphasis to maximize adherence and minimize impact of missed doses; read guidelines for details
5. Special situations
 - a. PICO 5 = HIV-infected patients on ART, use standard 6-month regimen. HIV-infected patients not on ART, extend continuation phase +3 months (total treatment 9 months)
 - b. PICO 6 = HIV/TB patients CD4 <50 init ART w/in 2 wks of TB Rx. HIV/TB patients CD4 ≥50 init ART by 8-12 wks of TB Rx. * EXCEPT TB meningitis w/ HIV, start ART >8 wks of TB Rx regardless of CD4 level.
 - c. PICO 9 = Adult smear & cult negative HIV-negative pulmonary TB: 4-drug daily x 8 wks; 2-drug x 2 months (if all cultures are negative and there is clinical or radiographic response after 2 months).
6. Other expanded info
 - a. Dosing table for all first and second-line drugs

- b. Clarification on how to manage treatment interruptions
- c. Table listing drug-drug interactions with rifamycins
- d. Dosing recommendations for TB drugs in patients with reduced renal function (including adults receiving dialysis)