Latent Tuberculosis Infection (LTBI) Treatments

Once a person is diagnosed with latent TB infection (LTBI), treatment should be offered. We recommend that all treatment be done in collaboration with the patient’s local health department. Assistance with costs of care and treatment may be available through the local health department.

Isoniazid + Rifapentine once weekly x 12 weeks (3HP)

- Preferred regimen for its high completion rate
- Directly observed therapy (DOT) is highly recommended, or required if Wisconsin TB Dispensary Program is used.
- For patients at least 2 years old. Not recommended for window prophylaxis.
- Dosing for adults over 50kg is isoniazid (INH) 900mg + rifapentine 900mg.

Rifampin daily x 4 months

- Preferred regimen for those unable to take 3HP or contacts to INH resistant cases
- Usually self-administered with patient picking up medications monthly
- Can be prescribed for infants and for window prophylaxis
- Dosing is 15-20 mg/kg infants & children; 10mg/kg up to 100 lbs/ 45.5 kg adults; 600mg max.

Isoniazid daily x 6-9 months

- Acceptable regimen but has very low completion rates; consider patient reliability
- Usually self-administered with patient picking up medications monthly
- Can be prescribed for infants and for window prophylaxis
- Dosing is 10-15 mg/kg infants & children; 5 mg/kg up to 100 lbs/ 45.5 kg adults; 300mg max.

Isoniazid, Rifampin, Pyrazinamide, & Ethambutol daily x 2 months

- For patients for whom a diagnosis of TB disease is still a possibility
- Start standard four-drug treatment by DOT; at the end of two months, reassess patient and laboratory results:
  - If culture is positive OR patient improves on treatment, consider active TB disease confirmed and treat accordingly.
  - If culture is negative OR the patient does not improve on treatment, end treatment and consider other diagnoses as appropriate. Treatment for latent TB infection is complete.

3HP Dosing

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\begin{align*}
\text{INH} & \quad \text{Rifapentine} \\
25\text{mg/kg} & \quad 10.0-14.0 \text{ kg} \\
15\text{mg/kg} & \quad 14.1-25.0 \text{ kg} \\
900\text{mg} & \quad 25.1-32.0 \text{ kg} \\
900\text{mg} & \quad 32.1-49.9 \text{ kg} \\
900\text{mg} & \quad \geq 50.9 \text{ kg} \\
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See CDC website for more information