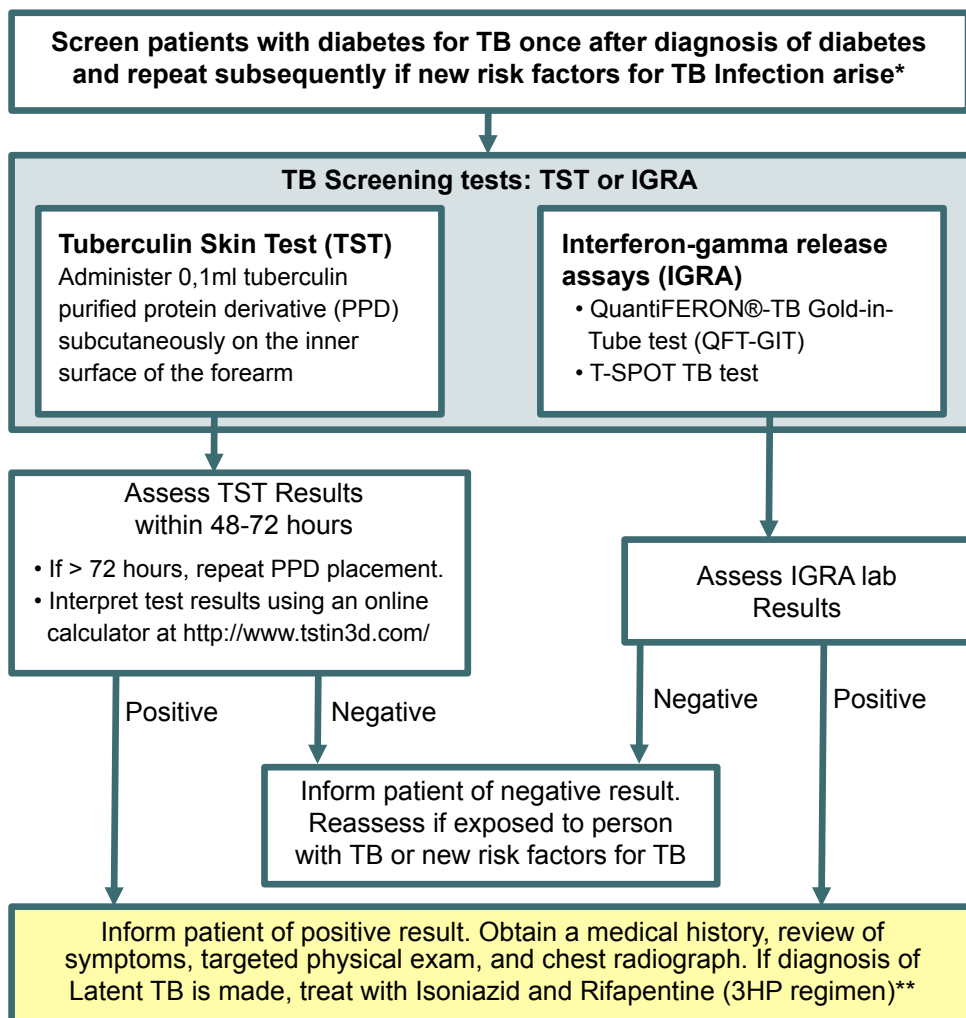


## Screening of Latent Tuberculosis



### \* Risk factors for TB Infection:

- Close contact with a person with known or suspected TB
- Chest x-ray with fibrotic changes consistent with past TB
- End stage renal disease
- Cancer (head, neck, leukemia)
- Intestinal bypass/gastrectomy
- Immunosuppression or treatment with TNF-alpha inhibitor medications
- Resident of a high risk congregate setting (prison, long term care facility, shelter)
- HIV infection
- IV Drug use
- Silicosis
- Organ transplant
- Chronic malabsorption syndrome
- Low body weight (10% or more below IBW)

## Treatment of Latent Tuberculosis

### Latent Tuberculosis Treatment (3HP Regimen\*\*) Isoniazid + Rifapentine once weekly for 12 doses

#### Isoniazid (INH) - dose is based on patient's age

Age	Dose
2-12 years	25mg/kg, rounded up to the nearest 50/100mg
≥12 years	15mg/kg, rounded up to the nearest 50/100mg

-- Maximum dosage for all ages is 900mg --

#### Rifapentine - dose is based on patient's weight

Wt (kg)	Wt (lbs)	Dosage
10.0 - 14.0 kg	25-31 lbs	300mg
14.1 - 25.0 kg	31-55 lbs	450mg
25.1 - 32.0 kg	55-71 lbs	600mg
32.1 - 50.0 kg	71-110 lbs	750mg
>50 kg	>110 lbs	900mg

-- Maximum dosage for all ages is 900mg --

### Laboratory Testing

- Obtain chest X-ray, baseline Chem 7, CBC, Hepatitis A, B, C, and HIV
- Obtain baseline LFTs and monitor periodically if patient:
  - Has underlying hepatic disease (hepatitis, cirrhosis)
  - Is pregnant or postpartum within 3 months
  - Consumes alcohol regularly
  - Is taking other medications with potential hepatotoxicity

### Significant Drug Interactions

- May increase the metabolism and decrease the effectiveness of warfarin, statins, methadone, oral contraceptives, some antidepressants and some antihypertensive medications.
- Rifapentine may significantly reduce the effectiveness of protease inhibitors or reverse transcriptase inhibitors

### Missed Doses

- Take the missed dose as soon as possible then resume weekly schedule.
- Must have at least 72 hours between weekly doses.
- All 12 doses must be taken within 16 weeks. Stacking doses (every 3 days) is not recommended and may lead to unsuccessful treatment.
- If >4 weeks of treatment have been missed, must restart therapy.