

**TUBERCULOSIS
1 (Diagnosis)**

1) Offer all high risk pregnant women w/o a previous history of a positive PPD testing with 0.1 ml purified protein derivative (PPD) when they begin prenatal care (must raise a wheal [6 - 10 mm] intradermally). ¹

(If previous positive PPD, go to treatment algorithm)

Category A risk factors:

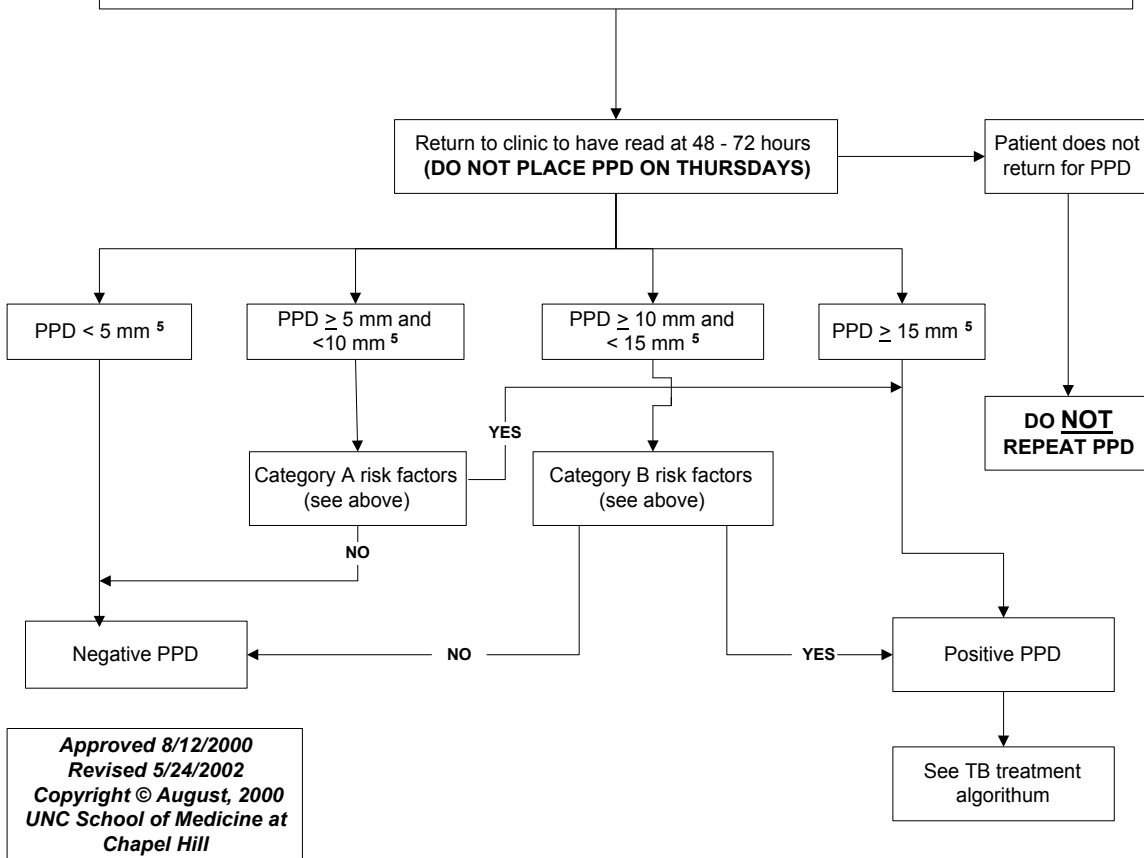
- HIV positive
- Known fibrotic lesion on CXR
- Recent contact w/ TB case
- Patients w/organ transplant or other immunosuppressed patients (receiving equivalent of > 15 mg/d prednisone for > 1 month).²

Category B risk factors:

- Intravenous drug abuser w/neg HIV testing
- Recent arrival (< 5 yr) from high prevalence country (Asia, Africa, Latin America)
- Underserved or high risk population
- Resident of long-term care facility, prison, or shelter
- Medical condition w/increased risk for reactivation of TB (ie, silicosis, diabetes mellitus, chronic renal failure, leukemia, lymphoma, Ca of head or neck, weight loss > 10% of ideal body weight, gastrectomy, jejunioileal bypass)
- Health care worker for aforementioned populations.²

2) If **not** at risk for anergy (HIV or severe immune suppression) control antigens no longer recommended. ³

3) If BCG vaccine previously given, place PPD unless prior positive result. ⁴



Tuberculosis 1 (Diagnosis)

- 1) American College Obstetricians and Gynecologists. Pulmonary Disease in Pregnancy. **ACOG Technical Bulletin # 224, June, 1996.** *All pregnant women at high risk for tuberculosis should be screened with a purified protein derivative (PPD) skin test when the begin prenatal care.*
- 2) The American Thoracic Society. Diagnostic Standards and Classification of Tuberculosis in Adults and Children. **Am J Respir Crit Care Med** 2000;161:1376-95. *Reproduced from Table 8: Guidelines for determining a positive tuberculin skin test reaction.*
- 3) The American Thoracic Society. Diagnostic Standards and Classification of Tuberculosis in Adults and Children. **Am J Respir Crit Care Med** 2000;161:1376-95. *Anergy testing is not recommended for the use in identifying tuberculosis infection in individuals, including those who are HIV infection.*
- 4) The American Thoracic Society. Diagnostic Standards and Classification of Tuberculosis in Adults and Children. **Am J Respir Crit Care Med** 2000;161:1376-95. *Because most persons who have received BCG are from high prevalence areas of the world, it is important that vaccinated persons who have a positive reaction to tuberculin skin test be evaluated for tuberculosis and treated accordingly.*
- 5) The American Thoracic Society. Diagnostic Standards and Classification of Tuberculosis in Adults and Children. **Am J Respir Crit Care Med** 2000;161:1376-95. *...three cutoff points have been recommended for defining a positive tuberculin reaction. For individuals at greatest risk of developing tuberculosis disease if they become infected with M. tuberculosis, a cutoff point of ≥ 5 mm is recommended. A cutoff point of 10 mm is suggested for individuals who have normal or mildly impaired immunity and a high likelihood of being infected with M. tuberculosis but are without other risk factors that would increase the likelihood of developing active disease. However, if a skin test is done, e.g., at entry into a work site where some risk of exposure to tuberculosis is anticipated and a longitudinal testing program is in place, a higher cutoff point of ≥ 15 mm is suggested to improve the specificity of the test.*

NOTIFICATION TO USERS

These algorithms are designed to assist in the primary care provider in the clinical management of a variety of problems that occur in pregnancy. They should not be interpreted as **standard of care** but instead represent **guidelines** for the management of these patients. Variations in practice should take into account such factors as characteristics of the individual patient, health resources, and regional experience with diagnostic and therapeutic modalities. The algorithms remain the intellectual property of the University of North Carolina School of Medicine at Chapel Hill. They cannot be reproduced in whole or part without the **expressed** permission of the school.

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