

**PRACTICAL PEARL: TB Screening and Management**

<b>INTRODUCTION</b>	<ul style="list-style-type: none"> <li>• 2 TB manifestations <ul style="list-style-type: none"> <li>○ Latent tuberculosis (positive screening test + normal CXR)</li> <li>○ Active disease</li> </ul> </li> <li>• 2 screening tests <ul style="list-style-type: none"> <li>○ Tuberculin skin test (TST)</li> <li>○ Interferon-gamma release assay (IGRA) (i.e., T-spot® and QuantiFERON®GOLD)</li> </ul> </li> <li>• IGRAs <ul style="list-style-type: none"> <li>○ For children <math>\geq 5</math> years</li> <li>○ Preferred screening test for BCG vaccine recipients <math>\geq 5</math> years</li> </ul> </li> <li>• Recent guidelines on appropriate evaluation for TB:  <a href="http://cid.oxfordjournals.org/content/early/2016/12/08/cid.ciw694.full.pdf+html">http://cid.oxfordjournals.org/content/early/2016/12/08/cid.ciw694.full.pdf+html</a> </li> </ul>
<b>INITIAL EVALUATION AND MANAGEMENT BY PRIMARY CARE</b>	<ul style="list-style-type: none"> <li>• Determine if screening indicated <ul style="list-style-type: none"> <li>○ Exposure to confirmed/suspected active disease</li> <li>○ Suspicious clinical and/or X-ray findings</li> <li>○ Recent immigration from a country with endemic TB</li> <li>○ Travel histories to TB-endemic countries and/or substantial contact with people from such countries</li> </ul> </li> <li>• If screening indicated, determine most appropriate test (IGRA vs. TST):  <a href="https://redbook.solutions.aap.org/data/Books/1484/fig3-13.jpeg">https://redbook.solutions.aap.org/data/Books/1484/fig3-13.jpeg</a> </li> <li>• Those with positive test: Obtain CXR to look for active disease</li> <li>• Low-risk healthy children <math>\geq 5</math> years with positive TST and normal CXR: <i>strongly</i> consider getting IGRA before referral <ul style="list-style-type: none"> <li>○ False-positive TST results can occur for multiple reasons</li> </ul> </li> </ul>
<b>WHEN TO REFER</b>	<ul style="list-style-type: none"> <li>• Children <math>&lt; 5</math> years <ul style="list-style-type: none"> <li>○ Exposure to active disease, regardless of TST results</li> <li>○ Positive TST, regardless of CXR findings</li> </ul> </li> <li>• Children <math>\geq 5</math> years with indeterminate and/or positive IGRA</li> </ul>
<b>HOW TO REFER</b>	<ul style="list-style-type: none"> <li>• Contact MA DPH TB Clinic Office located at Baystate's Mason Square Clinic: 794-5435</li> <li>• For more urgent issues, please contact the Pediatric ID doctor on call</li> </ul>
<b>WHAT TO EXPECT FROM BAYSTATE CHILDREN'S HOSPITAL VISIT</b>	<ul style="list-style-type: none"> <li>• Current patient information, pertinent medical records, and immigration records (if applicable) will be requested for review prior to the visit</li> <li>• Due to the nature of some patients' symptoms, other referrals or inpatient admission for additional evaluation/management may be recommended</li> </ul>

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