SwedishAmerican EMS
STANDING MEDICAL ORDERS
EMT – Intermediate and Paramedic

SMO: Tuberculin Skin Test

Overview: TB Skin Test SMO is to be used only by EMS provider agencies that have been approved by the EMSMD. The TB Skin Test can be administered only by EMT Intermediate, Paramedic or PHRN who have competed training and been approved by the EMSMD. TB Skin Test will only be provided to fire and EMS personnel who are members of a provider agency.

Medication

__ Tuberculin Purified Protein Derivative (Mantoux) TUBERSOL®

PROCEDURE

__ TBST will be provided as instructed during training sessions.
__ Tubersol® is indicated as an aid in the detection of infection with M. tuberculosis.
__ PPD tuberculin may be used as an aid in the diagnosis of tuberculosis infection in person with a history of BCG vaccination.
__ Parenteral biological should be inspected visually for extraneous particulate matter and discoloration before administration. If these conditions exist, the product should not be administered.
__ The administrator of the TUBERSOL® must record the results in millimeters of induration, including 0, in the record of each patient. The record should contain the name of the product, date given, dose, manufacturer and lot number. Reporting results only as negative or positive is not satisfactory.
__ The Mantoux test is performed by injecting intradermally, with a syringe and needle, 0.1 mL of TUBERSOL®. For the intradermal (Mantoux) tuberculin test, the dose is 5 US units (TU) per test dose of 0.1 mL.

Complications

__ Allergy to any component of Tuberculin Purified Protein Derivative (Mantoux)-TUBERSOL® or an allergic reaction to a previous test of TUBERSOL® are contraindications to the use of TUBERSOL®.
__ TUBERSOL® should not be administered to persons who previously experienced a severe reaction (e.g., vesiculation, ulceration or necrosis) because of the severity of reactions that may occur at the test site.

Adverse Local Reactions

__Very rare.
__ Vesiculation, ulceration or necrosis may appear at the test site in highly sensitive persons.
__ Cold packs topical steroid preparations may be employed for symptomatic relief of the associated pain, pruritus and discomfort.
__ Strongly positive reactions may result in scarring at the test site. Although uncommon, immediate erythematous or other reactions may occur at the injection site.

Adverse Systemic Reactions

__ Rare.
__ There have been rare systemic allergic reactions reported that were manifested by immediate skin rash or generalized rash within 24 hours. Two of the reported cases had concurrent symptoms of upper respiratory stridor. These reactions were treated with epinephrine and steroids and resolved.
__ No cause and effect was able to be established with a specific component of skin test.

Equipment Maintenance and Use

__ TUBERSOL® is to be stored at 2 degrees to 8 degrees Centrigrade (35 degrees to 45 degrees Fahrenheidt).
__ It is NOT TO BE FROZEN. Product must be discarded if exposed to freezing.
__ Tuberculin solutions can be adversely affected by exposure to light. The product should be stored in the dark except when doses are actually being withdrawn from the vial.
__ A vial of Tuberculin PPD which has been entered and in use for 30 days should be discarded because oxidation and degradation may have reduced the potency.
__ The equipment used to administer the Tuberculin PPD will be a sterile 1.0 mL syringe with a 26 gauge ½" needle attached.

Documentation of adherence to protocol:

__ A record will be maintained for each TBST that gives the name of the product, date given, dose, manufacturer and the lot number.
__ Proper and appropriate documentation of each TBST will be maintained at the approved Provider Agencies with copies provided to The SWAEMS System Coordinator.
__ All skin tests will be "read" as instructed and documented as mm of induration, not just as negative or positive.
__ A positive reading for any individual requires that the individual contact their personal or agency Physician for follow up and notify local health department.

Training Program

__ All training will be conducted personal approved by the EMSMD
__ Initial training session will be approximately 1 hour
__ At the conclusion of the training the student will be able to:

- Describe the signs and symptoms of tuberculosis
- State the names of three diseases that have the potential to create a false TBST reading
- Demonstrate the proper administration of a skin test using normal saline solution
- Describe what a positive skin test would look like and how that skin test would be measured
- State what would be done if a positive skin test was found
- Describe how to differentiate between a positive skin test and a sensitivity response