

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Sheila Velasquez

MEDICATION Pneumococcal conjugate vaccine (13-valent)

REVIEW MODULE CHAPTER _____

CATEGORY CLASS Bacterial

PURPOSE OF MEDICATION

Expected Pharmacological Action

promotes active immunization against invasive disease caused by *S. pneumoniae* (infection of lung)

Therapeutic Use

pneumococcal disease prevention

Complications

CNS: chills, drowsiness, fatigue, headache, insomnia
Dermatologic: skin rash
Gastrointestinal: decreased appetite
Local: Erythema at injection site, pain at injection site

Medication Administration

IM: 0.5 mL as a single dose;
Administer in the Deltoid

Contraindications/Precautions

Contraindications: severe allergic reaction (anaphylaxis) to any component of the formulation, or any diphtheria toxin-containing vaccine
Precautions: hypersensitivity reactions; shoulder injury related to vaccine, syncope, acute illness, bleeding disorders, HIV, chronic illness

Nursing Interventions

- Have emergency treatment for anaphylactic or hypersensitivity reaction available
- monitor for at least 15 minutes following administration
- Assess for acute febrile illness prior to administration

Interactions

Acetaminophen: may diminish therapeutic effect vaccines; corticosteroids: may diminish the therapeutic effect as well as fingolimod, immunosuppressants

Client Education

- educate the client about the side effects
- inform patient about the importance of vaccination

Evaluation of Medication Effectiveness

- Assess the pain after administration of vaccine
- Assess edema
- muscle pain, joint pain 15-mins.
- check for allergies
- follow up after