

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Lily Joyce
MEDICATION Pneumococcal Polysaccharide Vaccine (23) REVIEW MODULE CHAPTER _____
CATEGORY CLASS Vaccine, Inactivated, bacterial

PURPOSE OF MEDICATION Mechanism of action

Expected Pharmacological Action
- Inactive bacterial vaccine that induces active immunization to the serotypes contained in a vaccine.
Serotypes - strain of micro-organism.

Therapeutic Use
Aids in the prevention of pneumococcal disease. Its the active immunization of person ≥ 2 years at increased risk and persons ≥ 50 years to prevent pneumococcal diseases caused by 23 serotypes in vaccine.

Complications
NS - Fatigue, headache
Neuro - Asthenia, myalgia,
Derm - Ecchymoses
Gastro - Diarrhea, dyspepsia, nausea.
Respiratory - upper respiratory tract infection

Medication Administration
Adult - IM Vaccine (0.5 mL)
• Deltoid site
• Vastus lateralis site
• Ventrogluteal site
Typically inserted into the deltoid (2-3 finger spaces)
- below acromion process

Contraindications/Precautions
- Severe allergic reaction to pneumococcal vaccine or any component to the formula
- hypersensitivity reactions, immediate treatment
Syncope.

Nursing Interventions
- reassess vital signs after
- check for swelling, rash, fever / abnormal pain
- ask about other recent vaccines

Interactions Drug to Drug
Acetaminophen - may decrease therapeutic effects
Corticosteroids.
Immunosuppressants.

Client Education
- encourage to move arm after medication
- fever, rash, severe swelling is not normal.
- contact provider if any abnormal side effects arise

Evaluation of Medication Effectiveness
- Cannot measure a single person's effectiveness.

ACTIVE LEARNING TEMPLATE: Medication

STUDENT NAME Lily Joyce JFSMB

MEDICATION Influenza virus vaccine (inactivated)

REVIEW MODULE CHAPTER _____

CATEGORY CLASS vaccine (inactivated) (viral)

PURPOSE OF MEDICATION (mechanism of action)

Expected Pharmacological Action

x Promotes immunity to seasonal influenza virus by inducing specific antibody production. Preparations from previous seasons can not be used.

Therapeutic Use

Active immunization against influenza disease caused by influenza virus subtypes "A" and type "B" contained in the vaccine.

Complications (adverse reactions)

Cardiovascular - Chest pain, Presyncope, syncope, tachycardia.

Dermatologic - Cellulitis, erythema, pallor, skin rash, Steven-Johnson syndrome. (wide spread blistering.)

Local - Inflammation, rash, swelling, warm sensation.

Medication Administration

Intramuscular (IM) injection - done in the deltoid muscle, vastus lateralis, ventrogluteal site (do not mix injections, vaccines)

x seated or lying down
x make sure is room temperature
x can be done subcutaneous
Dose - 0.5 mL (adult) 18-64

Contraindications/Precautions

x Severe allergic reaction (anaphylaxis)
x history of severe allergic reaction to egg protein.
x hypersensitivity to egg protein.

Precautions - Shoulder vaccine injury to area, syncope, acute illness, bleeding disorders, febrile seizures.

Nursing Interventions

x assess vital signs
x assess abnormal/aggressive pain in location shot was administered
x educating patient on normal and abnormal side effects.

Interactions Drug - Drug Interaction

x Acetaminophen, AnticD20, corticosteroid, Doxofylline, immunosuppressants, Pneumococcal conjugate vaccine, Antidarsagene, Autoemcel.

Client Education

x common side effects
x contact doctor if any abnormal side effects arise

Evaluation of Medication Effectiveness

Cannot measure a single person's effectiveness.