

ACTIVE LEARNING TEMPLATE: Medication

STUDENT NAME Suzette Commadore

MEDICATION Pneumococcal 23-valent

REVIEW MODULE CHAPTER

CATEGORY CLASS Vaccine

PURPOSE OF MEDICATION

Expected Pharmacological Action

• inactive bacterial vaccine that induces active immunization to serotypes contained in the vaccine

Therapeutic Use

• used to prevent pneumococcal disease

Complications

Local: erythema at injection sites, soreness, pain, swelling, cellulitis, skin rash

Medication Administration

• PPSV23 IM: SUB Q (deltoid)
0.5mL/dose
(deltoid or lateral mid thigh)

Contraindications/Precautions

• severe allergic rx (ex: anaphylactic/anaphylactoid) to vaccine or any component to the formulation (eg: egg protein)
• shoulder injury due to improper technique (bursitis, tendinitis)
• skull fx/cerebral hemorrhaging due to syringe procedure to prevent fall after admin

Nursing Interventions

• monitor hypersensitivity / syncope for 15 mins following admin
• assess vital activity: temperature for cerebral perfusion

Interactions

Anticoagulant therapy: use with caution bleeding/hematoma
Vaccines: admin it w/ vaccine, different anatomical sites
Acetaminophen: may ↓ therapeutic effects of vaccine
Corticosteroids →

Client Education

• call if these side effect don't go away
- Pain, headache, weakness, muscle joint pain, chills

Evaluation of Medication Effectiveness

• Monitor for hypersensitivity for 15 minutes after admin
• Assess injection site for redness, swelling, pain, tenderness, bleeding, bruising

STUDENT NAME Suzette ComradeMEDICATION Influenza

REVIEW MODULE CHAPTER _____

CATEGORY CLASS Vaccine

PURPOSE OF MEDICATION

Expected Pharmacological Action

- promotes immunity to seasonal influenza virus by inducing specific antibody production

Therapeutic Use

- Active immunization for the prevention of influenza

Complications

- bruising at site, erythema, pain, swelling, lvs: drowsiness, fatigue, headache, fever, chest pain
- syncope, hypersensitivity to vaccine

Medication Administration

- Adults: (18-64): 0.5 mL once per season

Contraindications/Precautions

- Anaphylaxis to component of formulation
- Oculorespiratory syndrome (ORS): acute, self-limiting rx 2-24 of dose → chest tightness, cough, dyspnea, facial swelling, sore throat, wheezing
- Shoulder injury due to improper technique, syncope

Nursing Interventions

- Emergency plan for anaphylactoid hypersensitivity rx
- Monitor for mild side effects
- Monitor hypersensitivity / syncope for 15 min following admin
- Seizure activity: supine, Trendelenburg, cerebral perfusion

Interactions

- ↓ therapeutic effects: acetaminophen, corticosteroids, Diphtheria
- ↑ ↓ effects: Aticlarsagare, Atromyol

Client Education

- Used to prevent the flu
- may experience: pain, redness, redness, swelling, muscle joint pain, heaviness, chills
- Medical Attention when: numbness, not able to move face muscles

Evaluation of Medication Effectiveness

- Monitor for 15 mins for signs of anaphylaxis / syncope
- check injection site for swelling, redness, pain