

ACTIVE LEARNING TEMPLATE: Medication

STUDENT NAME Layla Espinola-Keel

MEDICATION Influenza Virus Vaccine (inactivated)

REVIEW MODULE CHAPTER _____

CATEGORY CLASS Vaccine, Inactivated (viral)

PURPOSE OF MEDICATION

Expected Pharmacological Action

promotes immunity to seasonal flu virus by inducing specific antibody production

Therapeutic Use

Active immunization against influenza disease caused by influenza virus subtypes A & B

Complications

GI: anorexia, nausea
CVS: drowsiness, fatigue, headache, irritability, chills, syncope

CV: chest tightness

Derm: diaphoresis

neuromuscular: arthralgia

Medication Administration

• suspensions: shake well } IM
• emulsions: shake lightly }

Subcutaneous: shake well
• room temp

• doses vary in timing & duration every year
• usually = 0.5 mL/dose: Adults

• inject sitting or lying

Contraindications/Precautions

- ORs
- severe allergic reaction: anaphylaxis to formula
 - oculorespiratory syndrome: acute rxn to vaccine: chest tightness, dyspnea, red eyes, wheezing, syncope
 - bleeding disorders (thrombocytopenia): bleeding/hematoma may occur
 - neurological disorders
 - if pt. has anticoagulant therapy

Nursing Interventions

- monitor for bleeding/hematoma
- assess allergies (emergency meds for rxn)
- bleed disorders
- monitor for mild side effects
- vitals
- monitor/assess for prev. Guillain-Barre' syndrome
- monitor post injection 15min
 - hypotension, syncope, seizure like activity
 - if seizure: supine or Trendelenburg

Interactions

Avoid: abidarsogene autotemec
Dinutuximab Beta
Glivaldogene Autotemec

Evaluation of Medication Effectiveness

- no adverse reactions or complication post injection
- no AR or complications that require medical attention
- pt. not catching the flu

Client Education

- prevention of flu
- may occur: if do not stop = med help
 - pain, redness, swelling at injection site
 - headache
 - muscle/joint pain
 - tiredness or weakness
 - chills
 - SOS of allergic reaction = medical help

ACTIVE LEARNING TEMPLATE: Medication

STUDENT NAME Layla Espinola-Keel

MEDICATION Pneumococcal Polysaccharide Vaccine (23-valent) REVIEW MODULE CHAPTER _____

CATEGORY CLASS Vaccine, Inactivated (Bacterial)

PURPOSE OF MEDICATION

Expected Pharmacological Action

an inactive bacterial vaccine that induces active immunization to serotypes in vax.

Therapeutic Use

active immunization of persons at risk to prevent pneumococcal disease caused by the 23 serotypes in the vax

Complications

- local erythema at injection site. - febrile seizure
- NS: fatigue, chills, malaise, GI/BS
- Derm: Ecchymoses, pruritis, rash
- GI: diarrhea, dyspepsia, nausea, vomiting
- Neuromuscular: Arthralgia, arthritis, ↓ ROM

Medication Administration

- avoid intradermal
- may cause severe local rxn
- risk of hemorrhage = firm needle
- 23 gauge or smaller
- Adult: 0.5 mL/dose

Contraindications/Precautions

- severe allergic reaction (anaphylactic/anaphylactoid)
- Syncope: falls: injury
- bleeding disorder: bleeding/hematomas
- may not be effective w/ CSF leaks
- use caution if pt. has anticoagulant therapies
- CV & respiratory disease ↑ risk!

Nursing Interventions

- monitor for 15 mins post injection
- hypersensitivity
- syncope
- seizure? - seizure/tremulous
- vitals
- fatigue, dizziness
- fall risk assessment
- respiratory status

Interactions

- Anticoagulant medications
- Avoid: Atidorsagene autotemcal
- Dinutuximab Beta
- Glivaldogene Autotemcal

Client Education

- prevention of pneumococcal disease
- S/S: allergic rxn = medical help
- if symptoms don't stop seek help
- tiredness, weakness
- headache
- muscle joint pain

Evaluation of Medication Effectiveness

- no adverse reactions post injection
- not developing pneumococcal disease
- no continuous symptoms needing medical attention