

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Alexa Dolan REVIEW MODULE CHAPTER _____
 MEDICATION Inactivated influenza virus vaccine
 CATEGORY CLASS Vaccine, inactivated

PURPOSE OF MEDICATION

Expected Pharmacological Action

Promotes immunity to seasonal influenza virus by inducing specific antibody production.

Therapeutic Use

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

Complications

Symptoms - local bruising, erythema, induration, injection site pruritus, pain, swelling, tenderness, headache, fatigue, drowsiness
Adverse - chest tightness, dyspnea, nausea, facial edema, chills, chills, fever, sore throat, cough, anaphylaxis

Medication Administration

IM - shaken before use, use proper injection technique to inject into the deltoid muscle to reduce risk of shoulder injury & do not inject into gluteal region
 0.5mL per dose as single dose (1 dose per year)

Contraindications/Precautions

Contra Indication - severe allergic reaction (anaphylaxis) to major ingredients (diminish ex), Anisakidae, shellfish, bleeding, febrile seizures, egg allergy.
Precautions - Effective immunity may not result in all patients. Immunocompromised by previous vaccine from 4-6 wks post should not be used.

Nursing Interventions

- monitor pt for allergic reactions
 - check injection site, make sure arm being used is okay & safe.

Interactions

Drug - Acetaminophen (diminish effects), Anti-CD20 B-cell depleting therapies (diminish ex), Anisakidae, Autoimmune hemolytic anemia, corticosteroids (diminish ex), Dinutuximab beta (diminish ex), immunosuppressants, methotrexate (diminish ex), Sipinmod (diminish ex)

Client Education

- explain purpose of vaccine
 - advise female pt to notify healthcare professionals if pregnant or planed.

Evaluation of Medication Effectiveness

Prevention of influenza resulting in fewer days off from school/work.

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Alexa Dolan REVIEW MODULE CHAPTER _____
 MEDICATION pneumococcal 23-valent
 CATEGORY CLASS Vaccine, inactivated (bacterial)

PURPOSE OF MEDICATION

Expected Pharmacological Action

An inactivated bacterial vaccine induces active immunization to the streptococci contained in the vaccine

Therapeutic Use

Active immunization of children & adults who are @ increased risk for pneumococcal disease caused by 23 strands including vaccine.

Complications

Sfx - erythema, induration, local soreness, pain, swelling, tenderness @ injection site, fatigue, headache
Adverse - pruritus, diarrheal dyspepsia, nausea, chills, neck pain, upper respiratory tract infection, fever

Medication Administration

Use proper injection technique to the deltoid muscle (inject into the thickest part of the muscle, central). Give 0.5mL dose. Fill out a vaccine information statement w/ date, administering persons name, # of doses.

Contraindications/Precautions

Contra - Severe allergic reaction to pneumococcal vax
Precauti - Anaphylactoid hypersensitivity reaction, shoulder injury, syncope, acute illness, bleeding disorder, cardiovascular disease, HIV, pneumococcal meningitis, respiratory disease, splenectomy, parosmia, myeloid.

Nursing Interventions

- monitor for hypersensitivity & syncope for 15 mins following administration.
 - maintain pt in supine Trendelenburg position to reestablish cerebral perfusion.

Interactions

Drug - Acetaminophen, corticosteroids, dinutuximab beta, fingolimod, immunosuppressants, methotrexate, other pneumococcal vaccines, propofol, sipinmod, tepicizumab, zoster vaccine all decrease therapeutic effects.

Client Education

- explain it is used to treat pneumococcal disease.
 - explain possible side effects of drug.
 - advise pregnant pt to advise w/ doctors first.

Evaluation of Medication Effectiveness

Prevention of pneumococcal virus & from the 23 strands that are associated w/ pneumonia.