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MEDICATION Influenza Virus Vaccine (Inactivated)

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 against influenza disease casued by influenza virus subtypes A and B.

Complications

Side effects: pain, redness, swelling, or other reactions where the injection was given, headache, muscle or joint pain, feeling tired or weak, chills.

Contraindications/Precautions

Contraindications: Severe alleric reaction to any component of the formula.

Precautions: Anaphylactoid/Hypersensitivity reactions.
Oculorespiratory Syndrome (ORS): within 2 to 24 hours after the dose: chest tightness, cough, difficulty breathing, facial swelling, red eyes, sore throat, or wheezing.

Adverse effects: Shoulder injury related to vaccination.

Interactions

Drug Interactions: Acetaminophen, Corticosteroids, Doxofylline, Fingolimod, Immunosuppresants, Methotrexate, Pneumococcal Conjugate Vaccine, Propacetamol, RiTUXimab, and Siponimod will all diminish the therapeutic effect of influenza virus vaccine. Acute illness, bleeding disorders, febrile seizures, Guillain-Barré syndrome, and neurological disorders should also be considered.

Food Interactions: None Listed

Evaluation of Medication Effectiveness

Monitor for anaphylaxis for 15 minutes following administration of vaccination.

Monitor any other side effects or adverse reactions.

Medication Administration

IM: 0.5 mL/dose in deltiod muscle.

(1 dose per season)

Do not inject into the gluteal area or regions where there may be a major nerve trunk.

Nursing Interventions

Monitor for anaphylaxis and syncope for 15 minutes following administration of vaccination.

If seizure-like activity occurs, maintain patient in supine or Trendelenburg position to reestablish adequate cerebral perfusion.

Client Education

Educate patient on all possible side effects.

Instruct patient to seek medical attention if severe side effects or allergic reactions occur.

Educate the client about the importance of recieving this seasonal vaccination.