ACTIVE LEARNING TEMPLATE: Medication

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MEDICATION Influenza Virus Vaccine

REVIEW MODULE CHAPTER

CATEGORY CLASS Vaccine, Inactivated (viral)

PURPOSE OF MEDICATION

Expected Pharmacological Action

Promotes immunity to seasonal influenza virus specifically antibody production.

Most adults have antibody protection within 2 weeks

Therapeutic Use

Prevention of influenza virus

Complications

Local

Bruising, erythema, induration, pain, swelling, & tenderness @ injection site

Other

Fever, myalgia

Nervous

Drowsiness, fatigue, headache

Medication Administration

Afluria:

Adults ≤ 64 years of age IM or Pharmajet stratis Needle free injection 0.5 mL per dose

Adults > 64 years of age IM 0.5 mL dose

Fluarix, Flucelvax, FluLaval, Fluzone:

IM 0.5 mL dose

Contraindications/Precautions

Contraindications:

Anaphylaxis

Fluzone: history of severe allergic reactions to egg protein

Precautions

- Oculorespitory syndrome (ORS)
- Shoulder injury
- Syncope
- Bleeding disorders
- Febrile seizures

Nursing Interventions

- Monitor for fever
- Asses skin around injection site
- Monitor patient for pain

Interactions

May decrease therapeutic effects

- Acetaminophen
- Cortisteroids
- Immunosupressents
- Pneumococcal conjugate vaccines
- Anti CD20 B cell depeting therapies
- Chemotherapy

Client Education

- Vaccine may cause tenderness or pain in arm
- Drink fluids
- Fever may develop
- Try to avoid fever reducers such as acetominophen

Evaluation of Medication Effectiveness

- Prevents influenza virus