

ACTIVE LEARNING TEMPLATE: Medication

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MEDICATION Influenza Virus Vaccine (inactivated) REVIEW MODULE CHAPTER _____

CATEGORY CLASS Vaccine, inactivated (viral)

PURPOSE OF MEDICATION

Expected Pharmacological Action

- promotes immunity to seasonal influenza virus by inducing specific antibody production.
- preparations from previous seasons must not be used.

Therapeutic Use

used to prevent the flu

Complications

- ~adverse reactions~
- GI: Anorexia (13 to 23%)
- Local: Bruising, erythema, induration, pain at injection site
- NS: Drowsiness, fatigue, headache, irritability
- Fever, chest tightness, chills, cough

Medication Administration

Adult ~ Afluria
< or equal to 64 yrs
IM: 0.5mL per dose
> 64 yrs
IM: 0.5mL per dose

Contraindications/Precautions

- Contraindications: severe allergic reaction to any component of the formulation. eg. anaphylaxis
- History of severe allergic reaction to egg protein
 - precautions- oculorespiratory syndrome
 - acute self limiting reaction to IIV. shoulder injuries, syncope, acute illness

Nursing Interventions

- Monitor the patient > 15 mins after admin
- assess any allergies
- provide patient education on vaccines
- discuss risk/benefits of the vaccine

Interactions

- Drug: acetaminophen: may diminish the therapeutic effects of vaccines
- anti-cd20 B-cell depleting therapies: may also diminish effects
 - Elivaldogene Autotemcel: may enhance the adverse/toxic effects of the vaccine

Client Education

- discuss that the vaccine only protects for 1 flu season, additional vaccines are needed yearly
- discuss side effects/what to report
- the vaccine is not a cure for the flu
- keep arm/injection site mobile to prevent soreness

Evaluation of Medication Effectiveness

- prevention of the influenza virus
- less severe symptoms if the influenza vaccine is contracted