

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Ryan Clayett

MEDICATION Influenza Virus Vaccine (Flublok Quadrivalent)

REVIEW MODULE CHAPTER \_\_\_\_\_

CATEGORY CLASS Vaccines

**PURPOSE OF MEDICATION**

**Expected Pharmacological Action**

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

**Therapeutic Use**

- prevents infection from influenza virus

**Complications**

- 7-10%: local pain and tenderness at injection site
- 1-10%: nausea, swelling at site, chills/shivering, fever
- adverse: urticaria, hypersensitivity reaction, anaphylaxis

**Medication Administration**

- IM: 0.5 mL/dose (1 dose per season), pre-filled syringe, deltoid muscle, patient seated/lying down

**Contraindications/Precautions**

Con: hypersensitivity to any vaccine component  
Pre: shoulder injury, syncope, acute illness, bleeding disorders, Guillain-Barré Syndrome, anticoagulant therapy, vaccines, altered immunocompetence, Pediatrics, geriatrics

**Nursing Interventions**

- monitor for hypersensitivity, syncope for 15 mins after administration
- if seizure-like activity occurs, maintain patient supine or Trendelenburg for adequate cerebral perfusion
- monitor for pain site, headache, fatigue, myalgia, malaise

**Interactions**

Diminishes: acetaminophen, anti-CD20 b-cell depleting therapy, corticosteroids, ~~elivologene autotemcel~~, fingolimod, immunosuppressants, heparin, propacetamol, spirinical, teptecumab  
Toxicity: Elivologene autotemcel

**Client Education**

- call physician if symptoms occur: pain at site, headache, muscle pain, lethargy, nausea, chills, fever, and they don't go away
- get medical attention for: burning, numbness, weakness, signs of anaphylaxis
- keep arm moving after administration

**Evaluation of Medication Effectiveness**

- 7 antibodies against influenza virus
- not getting the flu during the year/season