

ACTIVE LEARNING TEMPLATE: **Medication**

STUDENT NAME Kevin Juarez

MEDICATION Inactivated Influenza Vaccine (Quadrivalent)

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

CATEGORY CLASS Vaccine, inactivated

**PURPOSE OF MEDICATION**

**Expected Pharmacological Action**

Influenza Vaccine is an inactivated vaccine that introduces a killed version of the influenza virus into the body for the immune system to build antibodies against

**Therapeutic Use**

Recommended for anyone 6 months of age and older  
65 years or older may receive traditional fluzone high dose. Prevent flu spread.

**Complications**

Soreness at injection site, headache, fatigue, nausea, muscle aches  
Guillain-Barre Syndrome risk

**Medication Administration**

0.5mL IM  
Most recipients get 1 dose Per Year  
6 month-8 yr 2 dose  
65 yr < x, Fluzone High dose or fluzone

**Contraindications/Precautions**

Special caution; patients with HIV/AIDS, cancer, immune system compromise, egg allergy, pregnancy

**Nursing Interventions**

Screen for contraindications  
Monitor pt VS.  
Proper equipment to respond to rxn  
Prevention of influenza infection, Aseptic technique

**Interactions**

Pain killers, Corticosteroids, immuno-suppressing agents, cancer chemotherapy

**Client Education**

Trace amount of egg proteins  
everyone 6 months < x should be vaccinated yearly.  
6 month-8 yr old 2 vaccines 1 month apart  
Protection begins 1-2 weeks after

**Evaluation of Medication Effectiveness**

Protection begins 1-2 weeks after administration  
Reduced or absent signs/symptoms of FLU. Immunity ≈ 6 months or longer

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MEDICATION Pneumococcal Polysaccharide Vaccine (PPSV23) REVIEW MODULE CHAPTER \_\_\_\_\_

CATEGORY CLASS Vaccine

**PURPOSE OF MEDICATION**

**Expected Pharmacological Action**

Induces antibodies that enhance opsonization, phagocytosis, and killing of pneumococci by leukocytes and other phagocytic cells

**Therapeutic Use**

Eradication of infectious diseases  
Prevention of childhood and adult infectious diseases and their complications

**Complications**

Fever, chills, injection site reactions, asthenia, fatigue, myalgia and headache

**Medication Administration**

IM/SQ  
0.5 mL (1 dose) Adult  
≥ 65 once  
if PPSV23 administered before 65, 1 additional dose at least 5 yrs after previous dose  
25 mcg / 0.5 mL

**Contraindications/Precautions**

Hypersensitivity, Hodgkin's disease, ARDS  
Caution with acetaminophen

**Nursing Interventions**

Screen for sensitivity  
Have emergency med/equipment on standby - allergic response  
Provide education  
Document administration  
Minimize discomfort

**Interactions**

Interfere with enzyme to detect steroids tests

**Client Education**

Educate on adverse rx  
- Swelling, redness, tenderness  
- Fever  
- Irritability  
- Drowsiness  
- Anorexia  
- Myalgia

**Evaluation of Medication Effectiveness**

- Development of immunity
- Improvement of local rx to immunization with absence, pain, fever