

# Medication

Alfuria, Flucad

STUDENT NAME Savannah Reed

MEDICATION Influenza Virus Vaccine (inactivated)

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

CATEGORY CLASS Vaccine, vaccine, inactivated (viral)

PURPOSE OF MEDICATION

**Expected Pharmacological Action**

Promotes immunity to seasonal influenza virus by inducing specific antibody production

**Therapeutic Use**

Prevent the flu

**Complications**

- Pain, redness, swelling @ injection site
- low grade fever, fatigue, headache

**Medication Administration**

0.5 mL / dose  
(1 dose per season)  
IM

**Contraindications/Precautions**

- \*Chicken egg protein
- allergic reactions (anaphylaxis)
- Guillain Barre syndrome: history (not rec)
- Deulorespiratory syndrome: cough, difficulty breathing, face swelling, chest tightness, red eyes, sore throat
- shoulder pain/injury
- syncope (temp loss of con)

**Nursing Interventions**

- monitor 15 minutes
- vaccination history
- check allergy history
- document after administered
- check vital signs

**Interactions**

- Acetaminophen - may reduce effect
- immunosuppressive therapies - may reduce effect

**Client Education**

- purpose of vaccination
- possible side effects (1-2 days)
- educate vx is yearly

**Evaluation of Medication Effectiveness**

- pt develops immunity
- check vital signs - no immediate response

# Medication

(PPSV23)  
(Pneumovax 23)

STUDENT NAME Savannah Reed

MEDICATION Pneumococcal Polysaccharide Vaccine (23-valent) REVIEW MODULE CHAPTER \_\_\_\_\_

CATEGORY CLASS vaccine, vaccine, Inactivated (bacterial)

## PURPOSE OF MEDICATION

### Expected Pharmacological Action

Active immunization of person  $\geq 2$  yr at increased risk +  $\geq 50$  years to prevent pneumococcal disease by the 23 serotypes included in vaccine (produce antibodies)

### Therapeutic Use

Prevent pneumococcal disease

### Complications

- pain, redness, swelling, or other reaction where injection was given
- muscle or joint pain
- feeling tired or weak, & chills
- signs of allergic reaction

### Medication Administration

PPSV23 - IM, SUBQ - 0.5 mL/dose for both pediatric + adult  
Adults - deltoid - most recommended

### Contraindications/Precautions

- not recom in  $\leq 2$  yr bleeding disorders - from inject  
Contraindications: severe allergic reaction to vaccine or any components of the formula  
Precautions: shoulder injury/pain - after shot.  
Syncope (temp loss of consciousness): other vaccines to maximize vaccine rate one vaccine at a time in vaccine may not result in effective immunity in all patients immunocomp - postpone vaccination

### Nursing Interventions

- verify vaccination history
- assess patient risk factors: smoker, hx of allergic reaction immunocomp, chronic illness?
- monitor for immediate reaction (15 min)
- Documentation of vaccine

### Interactions

- acetaminophen: may decrease therapeutic effects of vaccine - before
- immunosuppressant: may decrease effect
- live vaccines: space more than 4 weeks
- alcohol prolonged use can impair immune response

### Client Education

- educate purpose of vaccination
- explain administration process
- inform reactions: pain swelling redness, possible fever
- explain that can not cause infection
- and may need follow-up
- may not work

### Evaluation of Medication Effectiveness

- can check immune response - antibody production
- Reduce incidence of disease
- Check vital signs after