

ACTIVE LEARNING TEMPLATE: **Medication**

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MEDICATION Pneumococcal Polysaccharide vaccine REVIEW MODULE CHAPTER \_\_\_\_\_  
CATEGORY CLASS Vaccine, Inactivated (bacterial)

**PURPOSE OF MEDICATION**

**Expected Pharmacological Action**

Active immunization promoting the production of antibodies against the pneumococcal disease caused by the 23 serotypes

**Therapeutic Use**

Prevention and reduction in the severity of symptoms of the pneumococcal disease

**Complications**

Local: erythema, induration soreness, swelling at the injection site  
CNS: Headache, fatigue  
Musculoskeletal: asthenia, myalgia

**Medication Administration**

IM/Sub-Q : 0.5 mL IM  
or SubQ using Prefilled Syringe

**Contraindications/Precautions**

Bleeding disorders / Bleeding / hematoma may anticoagulant therapy result  
Acute illness: consider delay in administration  
Cardiac disease hx: systemic reaction can pose risk  
CSF leaks: therapeutic effect may be diminished

**Nursing Interventions**

- Monitor the client >15 mins after admin
- Assess allergies
- Provide VIS (education)
- Provide ICE to reduce localized swelling
- Discuss risk / benefits

**Interactions**

Acetaminophen: can diminish therapeutic effect  
Immunosuppressants  
Methotrexate  
Corticosteroids; anti CD20 B-cell depleting therapies

**Client Education**

Keep arm/inj site mobile to prevent soreness  
Additional vaccines may be necessary next season  
This vaccine may not completely prevent developing this illness  
Adverse side effects/what to report

**Evaluation of Medication Effectiveness**

- reduced prevalence of the pneumococcal disease
- Less severe symptoms if the disease is contracted