

ACTIVE LEARNING TEMPLATE: Medication

4/12/25

STUDENT NAME Alexandra Salazar

MEDICATION influenza virus vaccine (inactivated) REVIEW MODULE CHAPTER _____

CATEGORY CLASS vaccine immunization

PURPOSE OF MEDICATION

Expected Pharmacological Action

- Promotes immunity & induces specific antibody production to influenza subtypes A + B

Therapeutic Use

- Disease prevention against influenza disease for individuals

Complications

- Derm: pain, redness, swelling where inj. was given
- Headache, chills, muscle/jt. pain, feeling tired/weak

Medication Administration

IM: Should be shaken well before use; use proper inj. technique to inject into deltoid muscle. Do not mix w/ other injections. Pt should be sitting/lying down to prevent fainting & possible injury.

Contraindications/Precautions

- If pt. has any allergies to any part of vaccine (see manufacturer label)
- If pt. has egg allergy, contents may include egg-protein

Nursing Interventions

- Have emergency tx avail. for any severe reactions
- Ask pts for med history (certain meds affect effectiveness of vaccine) + history of allergies (egg)
- Ask pt. about their immunosuppressed status, bleeding disorders, presence of any acute illness

Interactions

- B-cell depleting therapy (white blood cell) → may decrease therapeutic effects of vaccine
- Acetaminophen recommended for after vaccine administration to treat fever/pain, but not during as it also ↓ therapeutic effects
- ~~Aspirin/Salicylate Analgesic~~: may have adverse/toxic effect of vaccine

Evaluation of Medication Effectiveness

- Most adults have antibody protection within 2 weeks of vaccination
- Effectiveness can decline w/ diff. rates (depends on virus subtypes, pt. age, + other factors)

Client Education

- Inform patient to monitor side effects/any adverse reactions
- If symptoms persist, contact healthcare provider

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STUDENT NAME Alicia Maria Salazar

(23 - valcut)

MEDICATION pneumococcal polysaccharide vaccine

REVIEW MODULE CHAPTER _____

CATEGORY CLASS vaccine/immunization

PURPOSE OF MEDICATION

Expected Pharmacological Action

- Promotes immunity to prevent pneumococcal disease caused by the 23 serotypes included in vaccine

Therapeutic Use

- Disease prevention against pneumococcal disease for individuals

Complications

- >10%: erythema @ injection site, hardening of skin, soreness, pain/tenderness
- 1-10%: ecchymoses (discoloration of skin due to blood pooling), itching (pruritus), diarrhea, chills, nausea, fever, upper resp. infections

Medication Administration

- IM/sub Q (deltoid muscle! lateral mid thigh)
- use proper inj. technique to reduce shoulder risk injury.
- make sure pt. is sitting/lying down to avoid syncope-related injuries
- DO NOT MIX w/ other injections

Contraindications/Precautions

- pt. may have a severe allergic rxn to vaccine or any component of the formulation.
- vaccine administration that is too high on the upper arm may cause shoulder injury → pain, reduced R.O.M.
- Pricking (syncope) • Blood disorders

Nursing Interventions

- Monitor symptoms of hypersensitivity for syncope activities after 15 mins post-administration
- Ask pt. for any blood disorder, any resp. infections, blood clotting factors, allergies, etc.

Interactions

- Acetaminophen: may ↓ therapeutic effects of vaccine. recommended for use after administering vaccine.
- Anti B-cell depleting therapies: may ↓ therapeutic effects of vaccines. consider assessing immune response to vaccinations

Client Education

- Educate patient on potential side effects + when to contact provider
- Inform patient w/ potential drug interactions

Evaluation of Medication Effectiveness

- Monitor for any complications/adverse effects, especially if immunocompromised
- If unsure, test for antibodies to verify immunity