Geriatric Emergency Medicine Initiative
Resident Training Lecture Objectives

Saving Our Elderly Patients from Adverse Drug Effects

Presenter: Abdul Elahi, MD
Length: 1 hour
Target Audience:
Emergency Medicine Residents (Primary)
Internal Medicine Residents
Emergency Medicine Faculty

Presentation Overview:
Many geriatric patients have co-morbid conditions and take multiple medications which place them at risk for adverse outcomes and treatment complications. In fact, preventable adverse drug reactions constitute 80% of all adverse-drug-reaction admissions to the hospital. Drug-drug and drug-disease interactions and adverse drug reactions are common in older patients and must be carefully considered when making treatment decisions. Comprehensive medication reconciliation with the geriatric patient is critical in order to reduce medication errors and ensure patient safety.

Learning objectives:
At the end of this presentation, residents will be able to:
1. Identify risk factors for adverse drug reactions.
2. Understand pharmacokinetic (absorption, metabolism, and clearance) and pharmacodynamics (drug-target interaction and response).
3. Give examples of medications that need to be dose adjusted with aging.
4. Use renal function parameter for determining the safe dose of a drug.
5. Understand drug-drug interaction with affects pharmacokinetics and pharmacodynamics.

Instructional Methods:
Didactic presentation with PowerPoint slides
Case-based discussion
Audience response questions

Evaluation Methods:
Pre-Test Items
Post-Test Items
Reaction survey

Resource(s):
YouTube Lecture Presentation:
http://www.youtube.com/watch?v=7VKWTCcwQI0&feature=plcp
References:

