

# COMPREHENSIVE THERAPEUTIC REVIEW A COMPETENCY BASED EDUCATIONAL STRATEGY

Reynolds / TMH Family Medicine/FSUCOM Immersion Retreat

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# Objective:

After participation in this workshop, the PGYII TMH Family Medicine Resident will be able to support the 3rd and/or 4th yr FSUCOM Medical Student in conducting a Comprehensive Therapeutic Review

# Med Student Objectives:

- ◆ Explain impact of age-related changes on drug selection and dose based on age-related changes in renal and hepatic function, body composition, and CNS sensitivity.
- ◆ Identify medications, including anticholinergic, psychoactive, anticoagulant, analgesic, hypoglycemic, and cardiovascular drugs that should be avoided or used with caution in older adults

# Med Student Objectives:

- ◆ Document the complete medication list, including prescribed, herbal and over-the-counter medications
- ◆ For each medication provide the dose, frequency, indication, benefit, side effects, and an assessment of adherence
- ◆ Formulate recommendations to reduce polypharmacy and avoid drug -drug, -disease, and -food/supplement adverse interactions

# Advanced Competencies:

- ◆ Identify clinical situations where life expectancy, functional status, patient preference override standard recommendations for treatment.

# The comprehensive therapeutic review

- ◆ Inclusive list of all current patient medications
- ◆ Indication, dosage and frequency (both prescribed and usually taken by patient)
- ◆ Clearly defined therapeutic goal and assessment of efficacy of each medication
- ◆ Known or suspected adverse effects experienced and potential (drug multi-check - cautions and 'avoid')
- ◆ List diagnoses without medications

# Student's recommendations:

1. Pharmacologic 'Debridement' (Potential DC's)
  - ♦ No indication
  - ♦ No therapeutic goal
  - ♦ Failure to be efficacious\meet goal
  - ♦ Contraindicated or to be avoided meds
  - ♦ All therapies consistent with patient/proxy's goals

# Student's recommendations:

2. Pharmacologic Adjustment
  - ♦ Change in dosage to achieve goal, improve efficacy, improve adherence, correct undertreatment
  - ♦ Alternative preparation, route of administration, or class of drug
3. New therapeutic recommendations



# What?

Comprehensive Review of Therapeutic Management plan consists of:

- ♦ Accurate and complete problem list (Indications)
- ♦ Specific Rx(s) with dosage(s) and frequency
- ♦ Assessment of adherence for each Rx
- ♦ Clearly defined therapeutic goal(s) for each Rx
- ♦ Assessment of efficacy of therapy (benefit, progress towards goals)
- ♦ Assessment of side effects and adverse drug events, existing and potential

# Why? Improve Patient Care

- ◆ Reduce polypharmacy
- ◆ Increase patient safety
- ◆ Reduce costs of treatment
- ◆ Prevent adverse drug events
- ◆ Optimize treatment of chronic diseases

# How

- ◆ Regular periodic review
- ◆ Accurate documentation
- ◆ Use of ancillary resources
  - ◆ EMR, flow charts
  - ◆ Consultant Pharmacist/ Pharmacy database
  - ◆ PDA, Epocrates, Drug Multi-Check

# When

Patient- Centered decision; at least yearly or more frequently if

- ♦ Multiple comorbidities
- ♦ Multiple Consultants/Providers
- ♦ Cognitive Impairment (patient and/or caregiver(s))
- ♦ Intrinsically “At-risk” patient
- ♦ ER “frequent flyer”; lack of quality primary care
- ♦ Frequent hospitalizations

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