

PHARMACY RESIDENCY PROGRAM EVIDENCE-BASED PHARMACOTHERAPY PRESENTATION GUIDELINES

Objective: To present a patient and discuss their disease state(s) and drug management using an evidence-based medicine approach in a manner that is clear, concise and interesting. (CPRB 3.1, 3.5)

Format:

- This is a presentation of an interesting or controversial pharmacotherapy issue within a specialty area or arising from a unique patient case that the resident has encountered.
- The topic should be **a specific therapeutic question**. It should not be a general overview of an entire disease state.
- Principles of evidence-based medicine should be used to review the totality of the evidence that exists to support current management strategies or standards of practice regarding this therapeutic issue
- Resident and rotation preceptor should select an appropriate topic/case with input from residency coordinator as required.
- Electronic slides (PowerPoint) should be used.
- Handouts (preferably limited to 1-2 pages) which highlight key information can be used if appropriate.
- Adequate time should be provided for questions/discussion

The following points should be addressed in the presentation:

- Clinical question stated in an appropriate format [PICO].
- Review of key articles or studies (eg “landmark studies”) that relate to the issue; where there are many key articles, consider using consensus guideline references with specific articles for areas of controversy.
- Discussion of how the findings from the literature answer the therapeutic problem.
- Discussion of how the data can be applied to clinical practice.
- Discussion of limitations of literature, and identification of areas where there are still unanswered questions (if applicable).

Residents will be assessed using the Pharmacy Resident Presentation Evaluation form and the parameters listed below.

Content

The resident should:

- Present an actual or hypothetical case in a concise and systematic manner.
- Develop measurable learning objectives that are appropriate for the intended audience.
- Effectively communicate the key messages as it relates to the clinical question.
- Demonstrate a thorough understanding of the pathophysiology of the disease state(s) and drug management.
- Integrate evidence into decision-making.
- Demonstrate an understanding of audience questions and effectively defend the therapeutic recommendation(s).
- Accurately appraise the literature as it relates to the clinical situation.
- Develop a patient specific monitoring plan that considers both efficacy and safety parameters of the therapeutic recommendation(s).
- Provide an accurate, reasonable conclusion/recommendation based on the information reviewed (consider clinical expertise, primary literature and patient preferences).

Delivery**The resident should demonstrate:**

- Use of appropriate non-verbal communication such as maintaining good eye contact with audience at all times
- Enthusiasm about the material presented
- Audience engagement and participation throughout the presentation
- An ability to deliver the presentation in the time allotted ensuring sufficient time for questions

Presentation and Visual Aids**The resident should:**

- Present components of the patient case/issue in a logical manner which effectively communicates the key learning points throughout the presentation as well as in conclusion.
- Ensure handouts are organized and add value to the discussion (if used).
- Ensure that slides are uncluttered, legible and easy to understand.

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