

2009-2010 Pharmacotherapy Rounds

Pharmacotherapy Rounds is a forum in which pharmacy residents in the Boise area can gather to formally present clinically relevant topics. The goal of Pharmacotherapy Rounds is to enhance the participant's knowledge regarding the use of drug therapy to treat and prevent disease. Participants will learn to evaluate the scientific literature and discuss its applicability to clinical practice. Participants will learn to present complex concepts and scientific data in a clear and concise manner.

Residents will be expected to utilize and apply knowledge from such diverse areas as pharmacology, therapeutics, drug information, pharmacokinetics, pharmacoconomics and clinical practice. Additionally, writing and presentation skills will be emphasized. These skills will be obtained through the following formats:

- Case Presentations
- Journal Club
- Topic Discussions

Pharmacotherapy Rounds will be held Wednesday afternoons from 3:00-5:00 PM and the location will vary (Saint Alphonsus RMC Coughlin rooms, St. Luke's RMC Anderson Center rooms, BVAMC LRC, Ladd Family Pharmacy) depending on the presenter's practicing facility.

The audience will consist of pharmacy residents, pharmacy practitioners, pharmacy students, and invited guests. Presentations will be formal in nature and audience members will refrain from asking questions during the presentation (except to ask brief points of clarification).

Each presentation should be 45-50 minutes in duration and the presenter must use audiovisual aids (i.e. slides, video) during the presentation. Residents are encouraged to work with content mentors/preceptors for each presentation. They should provide guidance to the residents regarding the selection of an appropriate topic, developing the handout and slides for the session, writing learning objectives for CE credit*, and formulating self-assessment questions.

*To obtain CE accreditation, residents must submit the following items 30 days prior to their presentation to the Idaho State Board of Pharmacy: 1) 3-4 learning objectives 2) 3-4 self-assessment questions, and 3) draft copy of slides. CE program request for approval can be accessed at http://www.accessidaho.org/bop/education/ceprogram_request_04.pdf.

Forum Objectives

1. Analyze patient cases for pertinent pathophysiologic processes and drug related problems.
2. Interpret drug response and evaluate risk/benefit in patient cases

3. Identify controversial issues involved in patient cases and develop a therapeutic plan
4. Apply critical literature evaluation skills to medical literature

Content Objectives

1. Select clinically relevant topics for presentation
2. Develop learning objectives for the presentation
3. Utilize medical information research techniques and critical literature evaluation skills to construct presentation

Presentation Objectives

1. Present a formal organized, complete and concise case history or article review
2. Demonstrate knowledge of subject matter through minimal reliance on notes and educated responses to questions
3. Adhere to format description
4. Prepare a well-organized handout for presentation.

Format

There will be 3 types of formats utilized for the Residency Conferences. Each session will last 1-2 hours. The different types of formats include:

1. Case Study
2. Journal Club
3. Topic Discussion

Case Study

Residents may present a patient case from their current rotation. The presentation must include pertinent patient information, including:

- Background information such as chief complaint, HPI, past medical (*especially medications*), family, and social history;
- Review of systems and laboratory values
- Develop assessment / plan for problem list
- Explanation of hospital course
- Discussion of pathophysiology and management of one primary problem from the above problem list
- Discussion of at least one clinical trial regarding the pharmacotherapy of the primary problem that was discussed during the presentation

It is mandatory that residents present this information via PowerPoint, with a handout, copy of the discussed paper, reference list and evaluation forms.

Guidelines for Article Selection for Journal Club

- Relevant to practice
- Recent Publication (within the last 6 months)
- NOT a review article or clinical practice guidelines
- May choose from a variety of research methodologies

- Randomized controlled trial
 - Prospective, cohort
 - Case Control
 - Cross Sectional
 - Meta-analysis
- Is it applicable to general practice? Can this be applied to your practice or the real world?

How to Present a Paper

- Limit your discussion to 40 minutes
- Provide background on disease state or other pertinent papers relating to journal club
 - For example, if you were discussing a paper just published in JAMA discussing a new therapy to improve outcomes after spinal cord injury, then you would need to BRIEFLY discuss some of the prior pertinent literature regarding the therapy of this disease state
- Involve the group in your discussion on limitations, generalizability and application to clinical practice after your discussion.

Suggestions for leading a journal club

- Select an article based on an encounter with a particular patient or based on a clinical problem we commonly encounter.
- The article should report original research. Reviews are not allowed. Meta-analyses, decision analyses and cost-effectiveness analyses are acceptable.
- Read the article critically. Think about each of the decisions made in designing the study and what they concluded. Pick out a few main points or concepts that you think are most important in the reading.
- Distribute the article at least 2 weeks prior to Journal Club to make sure everyone has time to read the article.
- The general “flow” of the presentation should be as follows:
 - Past pertinent papers
 - Presentation of study to be evaluated
 - Critique of said study
 - YOUR conclusion & discussion

- Use a structured outline to review the article and the journal club participants through it.

Selection of Material

1. **Case Study:** Case studies are selected by the resident leading the session and approved by a case facilitator. Case studies should be formal presentations based on a patient for whom the resident provided pharmaceutical care. The session is expected to last 1 hour, including time for questions.
2. **Journal Club:** Article should have been published within a peer-reviewed publication within the last 6 months. The journal article must be approved by their current preceptor or residency director. The session is expected to last 1 hour, including time for questions.
3. **Topic Discussion:** Chapters from The Pharmacotherapy Preparatory Course will be selected and led by a specialized pharmacist in that area of practice. You will be expected to have read the material and participate in the discussion. The session is expected to last 2 hours.

Attendance

Attendance is mandatory for all residents unless excused by your Residency Director. If you cannot present on your scheduled day, it is your responsibility to switch with another resident and inform the conference coordinator, Elaine Ladd. Attendance for residents will be tracked by a sign-in sheet at each session.

Evaluation

Residents will be evaluated by all in attendance utilizing forms that are specific to Journal Club and Case Presentations. The resident and their preceptor or residency director should review the evaluations and provide feedback immediately after the meeting.