

**LSC- Montgomery PTA Program
Evidence Based Medicine Journal Club**

Objectives:

1. Develop oral communication skills by presenting timely articles from the primary literature.
 - a) Prepare and deliver an oral presentation, summarize and critically evaluate a research article.
 - b) Assess the soundness of research methods and study design.
 - c) Evaluate the presentation and analysis of data.
 - d) Identify strengths and weaknesses of the study.
2. Facilitate student's understanding of evidence based medicine process and the application to the patients goals and treatment.

Format: The Journal Club will meet weekly during the fall coursework.

1. During the Fall semester choose 1 Peer Reviewed Journal Article, during the Spring semester choose 2 Peer Reviewed Journal Articles and during the Summer semester choose 3 Peer Reviewed Journal Articles to present.. The content of the article or articles should address classroom didactic content as much as possible.
2. Prepare a 1 to 2 page typewritten outline of your presentation to be handed turned in via e-mail to renee.m.pruitt@lonestar.edu
3. Suggested format: Name of the primary research and researchers.
4. Journal Article Reference (APA or MLA)
5. Introduction
 - Study objective
 - Justification for study
6. Methods
 - Research design
 - Inclusion/exclusion criteria
 - Treatment protocol
 - Statistical tests
7. Results
8. Discussion and Application of Research Evidence
 - a. During the 1st Semester – Simply explain the findings and how they apply to the clinic.
 - b. During the 2nd Semester – Compare and Contrast your articles and how they (in combination) might apply to the clinic.
 - c. During the 3rd Semester – Triangulate your research findings and present a new application for the clinic.

Guidelines:

- Presentation should be as independent of notes as possible. Presentation should be ~10 minutes with an additional 5-10 minutes of questions.
- State the title of the article, authors, journal name, and issue.
- Describe methods used in study. Summarize inclusion/exclusion criteria. Describe treatment given and tests to assess outcome.
- Present the results and specify which findings are statistically significant.
- State the authors' conclusion and be able to defend or dispute these conclusions. Discuss future implications to clinical practice.
- Identify strengths and weaknesses of the study. Suggest improvements if possible.
- Provide conclusions independent of the authors' conclusions.