



HOW TO CRITIQUE AND EDIT A CLINICAL PAPER ?

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INTRODUCTION

- **The ability to critique the literature and source out relevant information to answer a clinical question is a skill that is being introduced into the under graduate curricula of most health professions.**
- **Posing a clinical question on therapy, sourcing the literature, reviewing critically what you find and then hopefully answering the question is central to the evidence based method.**

STRUCTURE - PRE READING

- **Ask yourself if you can generate a few questions about the topic of the clinical paper before you begin reading.**

If so, what are they ?



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STRUCTURE-READING FOR THE CRITIQUE

- **Read the scientific paper carefully**
- **Note sections you agree with or disagree with**
- **Be careful to reserve judgement until you have finished reading**
- **look for passages that strongly support the author's purpose**
- **try to find benefits for your daily practice**



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STRUCTURE - CRITIQUE AND SUMMARY

- The critique having summarized the state of the research to date in the literature review segment, you are now ready to critique the scientific paper you have chosen. This summary should include following points:



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STRUCTURE CRITIQUE AND SUMMARY

- **What was done ? (method)**
- **To whom was it done ? (subject)**
- **What was the hypothesis ? (why was it done, what were the expected results ?**
- **What was found ? (actual results)**
- **What conclusions were drawn ? (What do the authors say the results mean ?)**



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HOW TO WRITE AND EDIT CLINICAL PAPER ?

- The most common format for a clinical paper is:
- 1) INTRODUCTION
- 2) MATERIALS AND METHOD
- 3) RESULTS
- 4) DISCUSSION
- 5) CONCLUSION
- 6) REFERENCES



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INTRODUCTION

- The introduction should explain why the work was done. What were the objectives of the research ? How does the research fill a hole in our knowledge ? Any background material that is particularly relevant to the question should be included in this section.



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MATERIALS AND METHODS

- The sections tells how the work was done.
- What procedures were followed ?
- What research materials were used ?

RESULTS

- The section explains in words what you found and the data that you generated.
- The results section should be written so that any colleague could read the text to learn what you have done.
- When stating your results in the body of the text, refer to your graphs and tables. Each table and figure should be numbered sequentially for easy reference in the text.

DISCUSSION AND CONCLUSION

- **These sections typically includes your appraisal of what your research means, including its success in meeting the objectives. This is also the place to explain discrepancies or difficulties with experiments, as well as suggestions for future work. Add conclusion words and inform how can the results be applied to the patient care.**



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REFERENCES

- Finally, it is important to place your work in perspective with the published work of other scientists.



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THANK YOU FOR YOUR ATTENTION



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