

# Student Poster Evaluation Criteria

As part of the GLATA Research Assistance Committee Student Presentations, judges from the committee will judge the submitted posters on the following criteria. These criteria have been taken from the NATA Foundation Student Research Awards Program and modified to fit the GLATA format:

## Original Research Presentations

### A. Introduction

1. Abstract. Does it include a brief description of the problem, purpose, subjects, procedures, results, and implications of the project? Does it provide enough information to give an overview of the research and poster?
2. Relationship to Health Care. Is there a connection to how the project is related to the healthcare of the physically active or is the reader left hanging?
3. Clearly Stated Purpose. Is there a clear purpose statement in the introduction section of the poster? Does the purpose fit well with the problem as described in the introduction section?

### B. Methods

1. Research Design. Is the design of the research study identified (e.g. blinding, inferential, descriptive, epidemiologic, repeated measures, factorials identified, etc)? Are the independent and dependent variables identified (including levels)? Is the design appropriate to accomplish the purpose? If a repeated measures design, were trials randomized / counterbalanced (e.g. Latin Square)?
2. Subjects. Are the subject demographics identified? Are the subjects appropriate for the question? Are human subjects / animal use approvals clearly explained? Was sample size adequate for this research study? Is subject selection explained?
3. Instruments. Are the instruments adequately identified / described? Is the rationale for the instruments clearly explained? Is the instrument's validity and reliability addressed?
4. Procedures / Methods. Are the methods described in adequate detail? Are they adequate to accomplish the purpose? Do they appear to have been performed correctly or are there obvious methodological errors?
5. Statistical Analysis. Is an analysis presented (descriptive statistics, inferential statistics, etc). Does the analysis match the design? Is the analysis appropriate given the type of data? Are post-hoc procedures identified when necessary?

### C. Results

1. Dependent variable values. Are the values of the dependent variables reported, including measures of variance? Are figures or tables used to express the results? Are all figures / tables referred to in the text of the poster?
2. Statistical Findings. Are the results of any statistical tests reported correctly? Is statistical power reported for non-significant findings?

### D. Discussion / Conclusions

1. Interpretation of Statistics. Are the statistics interpreted correctly (e.g. non-significance isn't stretched to mean 'almost significant')? Is the difference between statistical significance and clinical meaningfulness evident?
2. Relates to Literature. Are the findings compared to the literature? Are there attempts to explain inconsistencies between the findings and the literature?
3. Explains Importance. Is the importance of the findings explained? Is it related back to the health care of the physically active? Does it pass the "So What" test?
4. Accurate Conclusions. Are conclusions drawn? Do the conclusions match the results? Do the conclusions relate back to the purpose statement?

### E. References

1. Are statements in the poster referenced in a recognized way (eg. AMA style)? Is the number of references adequate? Are the references describing contemporary understanding (note: reference age can be misleading, don't use age as a sole criteria for references being current)? Only references cited in the body should be listed.

### F. Appearance

1. Title Banner. Does the banner identify the title, author(s), and institution(s)? Is it readable from a distance?
2. Use of Space / Organization. Was the board space used effectively (i.e. spread out)? Was the organization of the poster easy to follow? Were headers / sub-headers used? Were bulleted lists used to simplify sections where appropriate?
3. Font Size. Was an adequate size font used so that the poster is readable from about 3 feet distance (e.g. 18 point is typically the minimum font size recommendation)?
4. Figures / Shading and Symbol. Are the figures, tables, figures, illustrations, and photographs clear and easy to understand? Are there legends on figures when needed? Are colors / shading / or symbols used to distinguish between groups on figures?
5. Visually Appealing. How is the overall appearance of the poster? Is it attractive? Does it grab your attention? Is there a strong visual contrast in the colors used in the display?

## Clinical Case Reports

### A Background:

1. Demographics: Includes the individual's age, sex, and sport.
2. Past Medical history: Includes the pertinent aspects of their medical history.
3. Current Medical history: Includes a brief history of their complaint and physical findings from the examination.

### B. Differential Diagnosis:

1. Potential problems: Lists all possible injuries or conditions based on history and physical findings.
2. Potential diagnoses: Includes all possible diagnoses present prior to physician evaluation, diagnostic imaging and laboratory results.

### C. Treatment:

1. Imaging and Laboratory: States the results of diagnostic imaging and laboratory testing.
2. Final diagnosis: States the final diagnosis of the injury or condition and the treatment and clinical course followed.
3. Details: Pertinent and unique details were included, as well as the final outcome.

### D. Uniqueness:

1. Briefly describe the uniqueness of this case.
2. Poses a unique situation in the area of athletic training

### E. Conclusions:

1. The statement of your findings is consistent with the results as reported.
2. Findings concisely describe the most pertinent points of your clinical case.

### F. Appearance

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