### Guidelines for Submitting Abstracts to GCMAS 2025:

### New Tools and Techniques

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#### INTRODUCTION

The GCMAS 2025 Program Committee welcomes the submission of abstracts that describe new tools and techniques. Abstracts should describe novel methods that enhance our ability to visualize, measure, and/or analyze the mechanics of muscles, tendons, joints, and/or limb segments. Novel devices that aid gait rehabilitation are also welcomed. Abstracts from vendors are encouraged, but must not contain advertising.

To be considered for a podium or poster presentation, abstracts must be formatted as shown in this template. Abstracts are limited to two pages. The content of each page must be contained within a 160mm X 225mm (6.3” x 8.8”) area. The text should be Times New Roman 12-pt font.

TWO electronic versions must be submitted as PDF files. 1) An unblinded version (current format) and 2) a [blinded version](https://nationwidechildrens.cloud-cme.com/assets/nationwidechildrens/PDF/GCMAS/GCMAS%202025%20-%20Template%20-%20Blinded%20Abstract.docx). The first page of the publication copy should list the title of the paper, the author(s), affiliation(s), and email address of the corresponding author. The name of the presenting author should be underlined. Reviews will be blinded.

Abstracts describing methodological advances should be comprised of these sections: Introduction, Clinical Significance, Methods, Demonstration, Summary, References, Acknowledgements, and Disclosure Statement.

**CLINICAL SIGNIFICANCE**

In this section, provide a succinct statement of the clinical significance of the method or algorithm and its potential relevance to treatment planning.

**METHODS**

Abstracts must be submitted electronically and received by **January 20, 2025**. If you encounter any problems with the submission process, or if you have questions about the scientific program, please contact the Program Chair:

Tyler Richardson **rtr12@psu.edu**

[Click here to access Abstract submission system](https://redcap.link/2025GCMASAbstract)

**DEMONSTRATION**

|  |  |
| --- | --- |
| One or two tables and/or figures may be incorporated within the document. All tables (Table 1) and figures (Fig. 1) must be referenced in the text. All titles, captions, figure legends, and axis labels should be large enough to be readable. For tables, include a brief title above the table. For figures, include a brief caption below the figure. The use of color is encouraged to enhance readability of the figures. Large graphics files may need to be compressed before exporting the PDF file. | Figure1 |

**Table 1:** Tables and graphs may span both columns if necessary (mean± SD).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Running Speeds: | **3 m/s** | **4 m/s** | **5 m/s** | **6 m/s** |
| Stride Length: | 2.1 ± 0.3 m | 2.5 ± 0.2 m | 2.9 ± 0.3 m | 3.2 ± 0.2 m |
| Stride Rate: | 0.64 ± 0.12 Hz | 0.69 ± 0.11 Hz | 0.72 ± 0.13 Hz | 0.78 ± 0.12 Hz |

#### SUMMARY

All abstracts that are properly formatted and submitted by the deadline will be peer reviewed. Abstracts that meet the acceptance criteria will be included in the official conference proceedings and published online. Authors of accepted abstracts will be considered for the GCMAS Best Podium and Best Poster Awards. When the first author is a student, abstracts will also be considered for the Kevin Granata Student Award.

Citations within the text should be made using numbers [1]. References should include the first author only (followed by et. al. if appropriate), year, journal, volume, and page numbers, and should be formatted as shown below.

#### REFERENCES

1. Halvorsen, K. et al. (1999) Journal of Biomechanics, 32(11):1221-1227.

2. Woltring, H. (1990) Biomechanics of Human Movement, pp. 203-237.

**ACKNOWLEDGMENTS**

Acknowledgments are optional.

**DISCLOSURE STATEMENT**

Ayman N. Gineer and Cee Programmer are co-inventors of a patented device for estimating tendon compliance *in vivo*. Beyda Tester has no conflicts of interest to disclose.