AUTHOR GUIDELINES FOR ISBI PROCEEDINGS MANUSCRIPTS

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ABSTRACT

The abstract should appear at the top of the left-hand column of text, about 0.5 inch (12 mm) below the title area and no more than 3.125 inches (80 mm) in length. Leave a 0.5 inch (12 mm) space between the end of the abstract and the beginning of the main text. The abstract should contain about 100 to 150 words, and should be identical to the abstract text submitted electronically along with the paper cover sheet. All manuscripts must be in English, printed in black ink.

Index Terms— One, two, three, four, five

1. INTRODUCTION

In the last decades the use of Echochardiography is crucial in Intensive Care Units (ICU) advances of smaller US clinical devices, US image quality and functions and its real-time capabilities to access cardiac anatomy and functions [1, 2, 3, 4]. However, despite the previous advances there is still challenges on finding standard views from experienced sonographehrs that sometimes such quantifcations are qualitative and subjective [1].

Assessing left ventricular ejection fraction (LVEF) is done at the point of care by clinicians with different expertise which is impacted on the rhythm and structural varations [5]. However, automatic quantification of LVEF is still challenging at the point of care due to variation of protocols, skills levels [6] and the nature of proving feedback on real-time [5].

2. METHODS AND MATERIALS

Rank-2 non-negative matrix factorization [7] and recently Robust Non-negative Matrix Factorization [8] are low-computation cost algorithms to automatic segment mitral valve. Clustering techniques [9] [10]. The paper title (on the first page) should begin 1.38 inches (35 mm) from the top edge of the page, centered, completely capitalized, and in Times 14-point, boldface type. The authors' name(s) and affiliation(s) appear below the title in capital and lower case letters. Papers with multiple authors and affiliations may require two or more lines for this information.

3. RESULTS

To achieve the best rendering both in the printed and digital proceedings, we strongly encourage you to use Times-Roman font. In addition, this will give the proceedings a more uniform look. Use a font that is no smaller than nine point type throughout the paper, including figure captions.

In nine point type font, capital letters are 2 mm high. If you use the smallest point size, there should be no more than 3.2 lines/cm (8 lines/inch) vertically. This is a minimum spacing; 2.75 lines/cm (7 lines/inch) will make the paper much more readable. Larger type sizes require correspondingly larger vertical spacing. Please do not double-space your paper. True-Type 1 fonts are preferred.

The first paragraph in each section should not be indented, but all the following paragraphs within the section should be indented as these paragraphs demonstrate.

4. CONCLUSIONS

Major headings, for example, "1. Introduction", should appear in all capital letters, bold face if possible, centered in the column, with one blank line before, and one blank line after. Use a period (".") after the heading number, not a colon.

4.1. Subheadings

Subheadings should appear in lower case (initial word capitalized) in boldface. They should start at the left margin on a separate line.

4.1.1. Sub-subheadings

Sub-subheadings, as in this paragraph, are discouraged. However, if you must use them, they should appear in lower case (initial word capitalized) and start at the left margin on a separate line, with paragraph text beginning on the following line. They should be in italics.

5. ILLUSTRATIONS, GRAPHS, AND PHOTOGRAPHS

Illustrations must appear within the designated margins. They may span the two columns. If possible, position illustrations at the top of columns, rather than in the middle or at the bottom. Caption and number every illustration. All halftone illustrations must be clear black and white prints. If you use color, make sure that the color figures are clear when printed on a black-only printer.
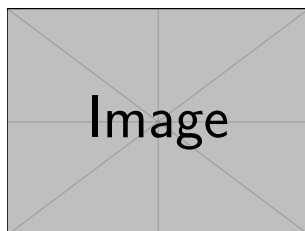
Since there are many ways, often incompatible, of including images (e.g., with experimental results) in a LaTeX document, below is an example of how to do this
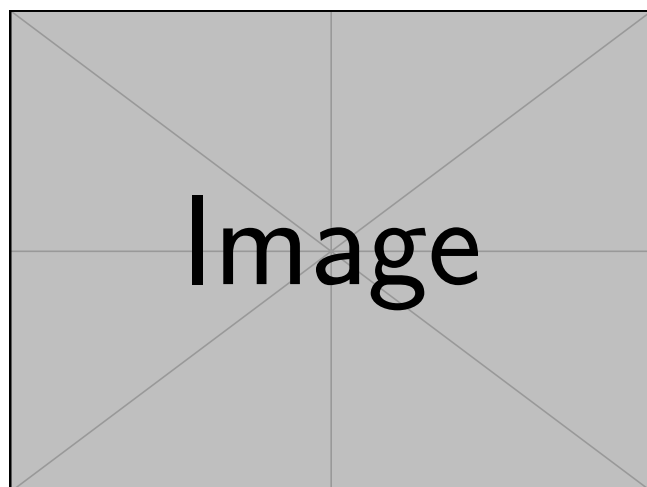
(a) Result 1
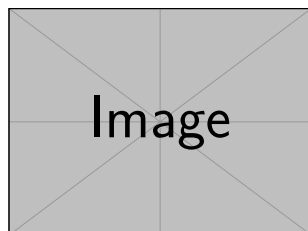
(b) Results 3
(c) Result 4

Fig. 1. Example of placing a figure with experimental results.

6. COMPLIANCE WITH ETHICAL STANDARDS

"This study was performed in line with the principles of the Declaration of Helsinki. Approval was granted by the Ethics Committee of University B (Date.../No. ...)."

7. ACKNOWLEDGMENTS

8. REFERENCES

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