

Highlights

Elsevier CAS Double Column Template Sample

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- Dataset-first manuscript generation keeps draft statements tied to real variables.
- Elsevier submission PDF is compiled from an official LaTeX class rather than browser HTML.
- The editor and export pipeline are separated so layout review does not replace journal-grade compilation.

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ABSTRACT

Background: Quantitative imaging biomarkers may improve diagnostic discrimination. Methods: The uploaded dataset was profiled to identify grouping labels, outcome variables, and MRI-derived parameters. Results: The current workflow prepares baseline comparison, group testing, and ROC analysis according to the selected paper format. Conclusions: Final numerical statements remain coupled to the downstream statistical pipeline and LaTeX export.

1. Introduction

Quantitative MRI parameters, particularly ADC-derived metrics, are frequently used to distinguish pathologic groups when morphologic assessment alone is insufficient.

2. Materials and Methods

The dataset profiler identifies candidate grouping variables, outcome variables, and imaging parameter columns from uploaded Excel or CSV files.

3. Results

The current output layer combines dataset-driven text, editable tables, and figure placeholders in one continuous canvas.

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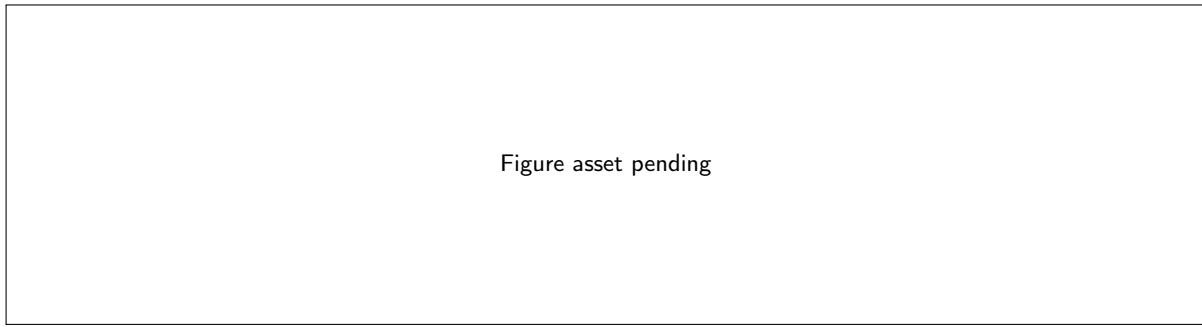


Figure 1: Receiver operating characteristic analysis for selected histogram and ADC-derived variables.

Table 1

Baseline characteristics.

Variable	Group A	Group B	P value
ADC_mean	1.12 +/- 0.19	0.96 +/- 0.14	0.031
ADC_p10	0.79 +/- 0.11	0.64 +/- 0.10	0.018

References

- [1] F, A., S, A., 2024. Example article title. *Journal of Medical Imaging* 12, 100–110. doi:10.1000/example.