Interview Protocol

1 Introduction

Interviews are conducted in a semi-structured form, and last approximately 30 minutes.

Each interview begins with a brief introduction, during which the motivations and goals of the project are explained. Each participant is asked for consent to the recording of the interview.

2 Presentation of the user interface

The user interface (UI) is presented to the interviewee during an approximately 5-minute presentation. The think-aloud method is used during the interviews, which means that participants are asked to concurrently share their thoughts during the presentation. They are encouraged to comment on the design or ask for more detailed explanations. The project's external supervisor is present during the interviews to provide support in answering medically related questions, if necessary.

3 Interview guidelines

The main topics that must be covered during the interviews were predetermined. The guidelines include opinions on the design, usability, interpretability of the results, and applicability of the UI in clinical practice. The semi-structed form of the interviews allows the interviewer to tailor their questions to the context of the conversation and the interviewee's field of expertise.

3.1 Design questions

Design-related questions aim to gather opinions about the design of the UI and the interpretability of the presented visualizations. Examples of questions that meet the interview guidelines:

- What do you think about the design of the dashboard?
- Do you feel that the information provided is adequately explained to the user?
- Can you understand the visualizations presented to you?
- Do you think that the items are displayed in a reasonable order? Would you change the locations of any of the graphical elements?
- Would you add any additional features to the UI?
- What additional patient information should be included to help in the diagnostic process?

3.2 Domain-specific questions

The aim of this part of the interview is to provide an overview of what the interviewee expects from an applications as the one proposed in the project, and to learn their opinions on the implementation of such systems in clinical practice. Examples of questions that meet the interview guidelines:

- Do you often work with data-driven platforms in your practice?
- Can you imagine such application helping you in your research/practice?

- Would such a system change the diagnostic process? Why not?

- What is the biggest obstacle for the implementation of such a system in clinical practice?

3.3   Summary and conclusion

Following the course of the interview, additional questions might be asked to allow the interviewee to express their views and opinions. The interview is concluded with a general question:

- Do you have any additional comments or questions?