**Declaration of the independent preparation of the master’s thesis for the Master of Science in Biomedical Engineering**

I hereby declare with my signature that I have independently completed my master’s thesis in accordance with the principles of good scientific practice and without the assistance of third parties. I also certify that the information concerning the sources used in this work is true and complete in every respect. Whenever I have used a source, either verbatim or by copying its meaning, I have indicated this clearly.

Furthermore, I hereby confirm that I have indicated as such all text passages written with the help of programs that rely on AI technology. I have also included a clear reference to the corresponding programs.

A check of my work for plagiarism and for the use of AI technology may be carried out by way of specialized software. I am aware that in the event of unfair practices on my part, the Faculty of Medicine has the right to revoke the title conferred to me through this work.

Place, Date:

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