

Informed Consent Form

Musical Grammatological and Neurocognitive Parameterization of Analgesic and Anxiolytic Effects of
Culturally and Personally Contextualized Music Listening During Painful Dental Procedures

19/09/2025

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Study Title: Musical Grammatological and Neurocognitive Parameterization of Analgesic and Anxiolytic Effects of Culturally and Personally Contextualized Music Listening During Painful Dental Procedures

Principal Investigator: Rawane El Dimachki, Chairperson of the Music Therapy Department, Antonine University

Purpose of the Study: You are being invited to participate in a research study that aims to investigate whether listening to music that you choose from a culturally and personally meaningful playlist can reduce pain and anxiety during a dental procedure. This study will also examine how the music affects physiological stress responses such as heart rate and blood pressure.

Procedures:

If you agree to participate, you will undergo the following:

1. **Pre-procedure assessment:** You will complete a short questionnaire about your general information and dental anxiety. Your heart rate and blood pressure will be measured.
2. **Musical intervention:** You will select a musical piece from a predefined playlist of relaxing sequences.
3. **Phases of the procedure:**
 - **Baseline (T0):** Measurements of heart rate, blood pressure, and pain before any drilling.
 - **Phase 1 (Silence – Pre-music):** Dental drilling for 30 seconds without music. Pain and physiological measures recorded.
 - **Phase 2 (Music):** Dental drilling for 30 seconds while listening to your selected music. Pain and physiological measures recorded.
 - **Phase 3 (Silence – Post-music):** Dental drilling for 30 seconds without music. Pain and physiological measures recorded.
4. **Post-procedure evaluation:** You will complete a questionnaire about your perception of the music's effect on your pain and anxiety.

Duration:

Your participation will take place during a single dental treatment session lasting approximately 20–30 minutes.

Risks:

- The dental procedure involves routine drilling for caries, which may cause temporary discomfort or pain.
- Listening to music is generally safe, but if you experience any discomfort or prefer not to continue, you may stop at any time.

Benefits:

- You may experience reduced pain and anxiety during the procedure.

- Your participation will help researchers understand how music can support pain and anxiety management during dental treatments.

Confidentiality:

All information collected in this study will remain confidential. Your data will be coded and stored securely. No identifying information will be shared outside the research team.

Voluntary Participation: Your participation is entirely voluntary. You may choose not to participate or withdraw at any time without affecting your dental care.

Contact Information: If you have questions about this study, you can contact:

- **Principal Investigator:** Rawane El Dimachki
- **Email:** Rawane.dimachki@ua.edu.lb
- **Phone:** +961 81 674 670

Consent Statement: I have read and understood the information above. I have had the opportunity to ask questions, and all my questions have been answered. I voluntarily agree to participate in this study.

Participant Name: _____

Signature: _____

Date: _____

Investigator Name: _____

Signature: _____

Date: _____