MUSIC IN THE OPERATING ROOM
Subjective benefit to patients, ease of setting up & innocuity during quiet routine oculoplastic procedures

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Listening to music during surgery has a subjective benefit to patients under local anaesthesia. Its setting up during quiet routine oculoplastic surgery is easy and inexpensive. When subject to some elementary precautions, there is no increased risk.

Introduction
Surgery generates stress. Patient stress is undesirable. It is responsible for discomfort, increased sensitivity to pain and increased operative risk. Anything that is likely to reduce perioperative patient stress should be considered.

In the operating room, music acts as a mild anxiolytic, reducing the anxiety of the patient and participating in the normalization of its hemodynamic values. The virtues of music have been demonstrated both in preoperative, perioperative and postoperative. (1, 2, 3)

But there is some debate about whether music in the operating room improves the surgical work or adds to the environmental noise, creating a potentially dangerous distraction. (4, 5)

There is certainly debate in the case of difficult and/or noisy surgeries, in particular under general anesthesia, but is there really a debate for quiet routine oculoplastic procedures?

Playing music through an external speaker during 20 bilateral upper blepharoplasties

Surgeries were realized by the same surgeon in an identical quiet local-anaesthesia setting. Patients were divided in two groups.

Group 1
First upper eyelid without music
Second upper eyelid with quiet music through an external speaker

Group 2
First upper eyelid with quiet music through an external speaker
Second upper eyelid without music

Changes in ambient noise level in the operating room was measured using a dB meter.

Patients, surgical aides and nurses were asked to answer an anonymous questionnaire directly after the surgery.

Among the questions to patients:
- Did you feel a difference in working comfort when music was used?
- Did you appreciate the use of music during your surgical procedure?
- Did you consider the use of music distracting and/or risky?
- Did you find the setting up and use of the mp3 player easy?
- Did you notice that the music was only used for one eyelid?
- Did you appreciate the use of music during the surgery procedure?
- Did you think that the music helped you manage anxiety?
- Would you want music for another similar surgery?
- If so, would you prefer being able to choose the music?

Among the questions to the team:
- Did you appreciate the use of music during the procedure?
- Did you feel a difference in working comfort when music was used?
- Do you consider the use of music distracting and/or risky?
- Would you prefer being able to choose the music?

Result:
Both patients and the team reported comfort was always better with the use of music.

Patients of group 1 reported feeling relief when the music was turned on. Patients in group 2 described the music being turned off in negative terms. The average sound level increased by 5 dB, but stayed under 60 dB.

The surgical aides and circulating nurses were always happy with the use of music.

The surgical aides and nurses were asked to answer an anonymous questionnaire directly after the surgery.

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- Did you appreciate the use of music during your surgical procedure?
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Among the questions to the team:
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- Would you prefer being able to choose the music?

Discussion
Many oculoplastic procedures are performed in very quiet atmospheres, with few noise-making monitors or instruments. Calm music could then be played through earbuds was trialled. Earbuds have the advantage of better isolating the patient from the stressful noises and anxiogenic conversations in the surgical environment. Music should suit everybody in the operating room and be easily and quickly interrupted if needed.

To further lessen the potential of distracting either the surgeon or their team and to avoid any other increased risks from a noisy work environment, the use of earbuds was trialed. Earbuds have the advantage of better isolating the patient from the stressful noises and anxiogenic conversations in the surgical environment. Patient earbuds may also allow them and the operating team to separately and safely listen to their own choice of music.

References