

MuHa Questionnaire on the natural history, treatment and phenomenology of musical hallucinations

Questionnaire developed by Drs. J.A. Coebergh^{1,2,3}, Prof. dr. I.E.C. Sommer⁴ and Dr. J.D. Blom^{5,6}

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Patient Name:

Date of Birth:

File number:

Name of researcher:

Date of research:

Date of MRI:

Date on which the musical hallucinations began:

Number of years since onset:

Measurement number: 1/2/3/4/5

1 Type of music (open question)

What musical hallucinations have you heard for the past month? (Please write in detail: interrogate anthem, tearjerkers, carols, hymns, nursery rhymes, classical music, etc.) and is there delay in onset after external stimulation?

2 Quality of hallucinations

2.1 Does the music sound pure?

Yes

No

Sometimes pure, sometimes false

2.2 Do you hear complete songs?

Yes

No, only fragments or fragments

Both

2.3 Is the same music ever repeated?

- Yes, maximum consecutive times...
- No

2.4 Do you hear music you've previously heard?

- Yes, songs or music that I used to know
- Yes, songs or songs that I have just heard
- Other,
- No, I hear

2.5 How do you hear it?

- Through my ears, both sides
- Through my left ear
- Through my right ear
- Inside my head
- Both inside and outside my head
- Other,
- Do not know

2.6 From what direction does the music come?

- From the right side
- From the left side
- Straight from the front
- Right behind
- Above my head
- Below
- From the inside
- Other,
- Do not know

2.7 Is the type of music congruent with your mood?

- Yes, because
- No
- Other,
- Do not know

3 Frequency

3.1 On how many days of the past month have you experienced musical hallucinations?

1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25
/ 26/27/28/29/30/31

3.2 How many hours per day on average?

1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17/18/19/20/21/22/23/24

3.3 What number would you give between 0 (never) and 10 (continuous?)

0/1/2/3/4/5/6/7/8/9/10

4 Control

4.1 Can the musical hallucinations be influenced by distraction?

- Yes, namely The hallucinations are then
- No
- Do not know

4.2. Do you consciously control the hallucinations?

- Yes, namely The hallucinations are then
- No
- Do not know

4.3 Do you influence the choice of music / songs?

- Yes, namely The hallucinations are then
- No
- Do not know

4.4 Do you ever sing along with musical hallucinations?

- Yes
- No

4.5 Does it help to sing along with musical hallucinations?

- Yes, the hallucinations are then
- No

4.6 Do you have influence in other ways on the musical hallucinations?

- Yes, namely
- No

5 Effects on functioning

5.1 Are your musical hallucinations a nuisance/hindrance/annoyance?

- Yes
- No
- Sometimes, sometimes not

5.2 Do they disturb you at bedtime?

- Yes
- No
- Sometimes, sometimes not

5.3 Do they disturb you in conversation?

- Yes
- No
- Sometimes, sometimes not

5.4 Do they disturb you in concentrating?

- Yes
- No
- Sometimes, sometimes not

5.5 Do they make you feel like you are mentally ill?

- Yes

- No
- Sometimes, sometimes not

5.6 Do they disturb you in another way?

- Yes, namely
- No

6 Influence of medication

6.1 What medications are you currently using?

Drug 1:	Duration of use:	Effect:
Drug 2:	Duration of use:	Effect:
Drug 3:	Duration of use:	Effect:
Drug 4:	Duration of use:	Effect:
Drug 5:	Duration of use:	Effect:

6.2 Does your medication help against the hallucinations?

- Yes, Drug (1/2/3/4/5)
- No
- Sometimes, sometimes not
- Do not know

6.3 Which influence has drug (x) on the musical hallucinations?

Repeat the question for any drug which affects the hallucinations!

- They disappeared
- They sound less loud
- They sound further away
- I hear them less often
- The quality of the music changes, namely,
- I have more influence on them
- They bother me less
- Other, namely
- Do not know

6.4 What medications have you tried in the past against the musical hallucinations? For how long? And to what effect?

Drug 1:	Year:	Duration of use:	Effect:
Drug 2:	Year:	Duration of use:	Effect:
Drug 3:	Year:	Duration of use:	Effect:
Drug 4:	Year:	Duration of use:	Effect:
Drug 5:	Year:	Duration of use:	Effect:

6.5 Have you tried other treatments against the musical hallucinations?

- Yes, namely
- No

7 Hallucinations last month

7.1 Have the musical hallucinations in the past month changed in severity?

- Yes, the severity has increased
- Yes, the severity decreased
- No, not changed

Do not know

7.1.1 Please indicate on a scale of 0 to 10 (0 = no discomfort, 10 = very severe) the severity of hallucinations in the past month and how it has developed (Indicated by an arrow, for example, from 3 to 5)

0/1/2/3/4/5/6/7/8/9/10

7.2 Have the musical hallucinations in the past month changed in frequency?

- Yes, the frequency is increased
- Yes, the frequency is decreased
- No, not changed
- Do not know

7.2.1 Please indicate on a scale of 0 to 10 (0 = never, 10 = always) how the frequency of hallucinations in the past month has developed (Indicated by an arrow, for example, from 3 to 5)

0/1/2/3/4/5/6/7/8/9/10

7.3 Have the musical hallucinations in the past month changed in volume?

- Yes, the volume has increased
- Yes, the volume has decreased
- No, not changed
- Do not know

7.3.1 Please indicate on a scale of 0 to 10 (0 = quiet, 10 = deafening) how the volume of hallucinations in the past month has developed (Indicated by an arrow, for example, from 3 to 5)

0/1/2/3/4/5/6/7/8/9/10

8 Hearing

8.1 Do you suffer from tinnitus?

- Yes, left since
- Yes, right since
- Yes, both sides since.....
- No
- Sometimes, sometimes not

8.2 Do you suffer from hearing loss?

- Yes, left since
- Yes, right since
- Yes, both sides since.....
- No

8.3 Is the hearing loss stable?

- Yes
- No, it worsens
- No, it improves

8.4 Do you have a hearing aid?

Yes, since

No

8.5 If you have a hearing aid: do you use this?

Yes

No

Sometimes, sometimes not (explanation:

8.6 If you have a hearing aid: does this affect the musical hallucinations?

Yes, they are less loud

Yes, I hear them less frequently

Yes, they bother me less

Sometimes, sometimes not

Other,

9 Hallucinations in other sensory modalities

9.1 Have you ever had other types of hallucination?

Images, visions

Deformations of normal observed objects

Smells

Strange taste

Unexplained touch on the body

Unexplained feelings in the body

Sexual hallucinations

Strange temperature

Feeling as if my body or body parts move

Feeling like a body part has another position

Other, namely...

9.2 Did these occur simultaneously with musical hallucinations?

Yes, along with the musical hallucinations

Sometimes simultaneously, sometimes alternating

No

9.3 Have you in the past month had other types of hallucinations?

Images, visions

Deformations of normal observed objects

Smells

Strange taste

Unexplained touch on the body

Unexplained feelings in the body

Sexual hallucinations

Strange temperature

Feeling as if my body or body parts move

Feeling like a body part has another position

Other, namely...

9.4 Did these occur simultaneously with musical hallucinations?

- Yes, along with musical hallucinations
- Sometimes simultaneously, sometimes alternating
- No

10 Musicality

10.1 Are you musical?

- Yes (explanation: singing, instrument playing, composing, etc.?)
- No

10.2 Do you suffer from amusia?

Yes (explanation: recognition of higher / lower frequencies/ tone / melody / emotional charge; inability to write music, whistle, sing, read, recognize, play music)

- No

11 Concluding questions

11.1 Are there other health problems that may affect the musical hallucinations?

- Yes, because
- No

11.2 Social isolation: Do you get help from family, neighbours or home support?

- Yes (note:)
- No (note:)

11.3 Loneliness: Do you feel lonely or even very lonely?

- Yes (note:)
- No (note:)

11.4 Are there other things that are important for this research?

- Yes, because
- No

11.5 Do you have any questions?