

**Music Therapy Assessment Tool for Awareness in Disorders Of Consciousness
(MATADOC):
Behaviour Observation Record
PRE-OBSERVATION**

Patient's Name: Date of Birth:
 Assessor's Name: Location:
 Date: Time: Duration of Sample:
 MATADOC Assessment block: Session Number: /4
 Eyes: Open/Closed Head strap: On/Off Orthotics: On/Off
 Patient presentation at start of observation:

[illegible]

* If behaviour is continuous, draw a horizontal line through one box to indicate a 15 second interval

Assessor's Signature: Date:

Music Therapy Assessment Tool for Awareness in Disorders of Consciousness (MATADOC)

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Patient's Name:		MATADOC Number:		Assessment Number: /4		
Date of Birth:		Time of Session:		Session Duration:		
Assessor (name & discipline):		Date:		Patient presentation:		
				Eyes: open/closed Head strap: on/off Splints: on/off		
Essential Categories Principal Subscale						
1. Responses to Visual Stimuli						
Specify stimuli including distance of stimulus from patient:		No tracking/turning towards visual stimuli		0		
		Specify L/R/ML	Inconsistent eye movement/head movement towards instrument/assessor		1	
		Specify L/R/ML	Consistently follows movement of instrument/assessor with eyes		2	
		Can focus alternatively on >1 visual stimulus		3		
Comments:						
2. Responses to Auditory Stimuli						
Specify stimuli including distance of stimulus from patient, volume and pitch:		No localising to auditory stimuli		0		
		Specify L/R/ML	Inconsistent eye/head movement/turning towards auditory stimuli		1	
		Specify L/R/ML	Consistently localises to auditory stimuli		2	
		Can focus alternatively on >1 auditory stimulus		3		
Comments:						
Stimuli presented in visual field?: Yes / No						
3. Awareness of Musical Stimuli						
		No observed response		0		
		Activity unrelated to musical stimuli		1		
		Responses inconsistently related to musical stimuli		2		
		Responded for duration of music only		3		
		Showed inconsistent interactive responses within musical exchange		4		
		Showed consistent interactive responses within musical exchange		5		
Comments:						
4. Response to Verbal Commands						
Document commands		No activity to verbal commands		0		
		Unrelated activity to verbal commands		1		
		Responded inconsistently to verbal commands		2		
		Consistently followed verbal commands		3		
Comments:						
5. Arousal						
Specify preceding stimulus:		Showed no arousal		0		
		Arousal demonstrated for < 50% of session		1		
		Arousal demonstrated between 50-90% of session		2		
		Aroused throughout session		3		
Comments:						
Musical parameter and behavioural response type						
6. Behavioural Response to Music				Responding to:		
Change in facial gesture	Y	N				
Change in eye direction/eye contact	Y	N				
Change in physical movement	Y	N				
Change in vocalisation	Y	N				
Change in respiration	Y	N				
Change in arousal	Y	N				
Comments:						
7. Musical Response						
Specify:		Responses linked to pulse/rhythm		Y	N	
		Responses linked to melody/pitch		Y	N	
		Responses linked to timbre		Y	N	
		Responses linked to dynamics/intensity		Y	N	
		Responses linked to form e.g. phrase, silence		Y	N	
		Responses linked to tempo		Y	N	
		Responses linked to mood of music		Y	N	

MATADOC: Clinical Information to Inform Goal Setting and Clinical Care

8. Vocalisation

Specify in response to:	No vocalisation to musical stimuli	0
	Vocal sounds unrelated to musical stimuli	1
	Attempted vocalisation but unsuccessful/increased oral movements	2
	Inconsistent vocal sounds to musical stimuli	3
	Consistently made vocal sounds to musical stimuli	4
	Attempted to sing words	5
	Sang last words of phrase/music acted as cue	6
	Sang all words to familiar songs	7
	Unable to vocalise	9

Comments:

9. Non-verbal Communication e.g. interactive eye contact; physical gesture; turn-taking; musical dialogue

Specify in response to:	No interaction with others spontaneously or to verbal command +/- prompts	0
	Requires verbal command +/- prompts for all social & non-verbal communication	1
	Inconsistent spontaneous use of social communication gestures without prompts	2
	Consistent use of spontaneous and appropriate social communication gestures	3

Comments (incl. Specify types/no. of prompts):

10. Choice-making

	No evidence of choice-making	0
	Looked toward 1 object presented on its own	1
	Looked toward > 1 object presented together in sequence	2
	Looked toward > 1 object presented together simultaneously	3
	Communicated preference between 2 objects	4
	Communicated preference between > 2 objects	5

Comments:

Evidence of yes/no response:

11. Motor Skills

Specify body part	No active movement	0
	Active movement but intent unknown	1
	Purposeful movement but requires verbal prompts and/or physical facilitation	2
	Spontaneous purposeful movement but requires facilitation	3
	Spontaneous purposeful independent movement	4
	Unable to move	9

Comments:

12. Attention to Task

	Did not attend to any task	0
	Attended for moments in musical tasks	1
	Attended for entire musical task	2
	Attended for entire session	3

Specify tasks and duration:

13. Intentional Behaviour

	No intentional response to musical stimuli	0
	Active response but intent could not be determined	1
	Intentional response evident but goal not achieved	2
	Intentional response evident with goal achieved	3

Comments:

14. Emotional Response

Document behaviours	No changes in expressive behaviours	0
	Changes in expressive behaviours unrelated to stimulus	1
	Changes in expressive behaviours related to stimuli on 1 occasion	2
	Changes in expressive behaviours related to stimuli on >1 occasion	3

Comments:

Session Structure:

Other Comments (e.g. others present in room; context):

Signature:

MATADOC: Scoring Conversion Sheet

Subgroup Score 1: Essential Categories

Response Category	VS		MCS		EMERGING	
	Rating	Score	Rating	Score	Rating	Score
1. Visual	0	Given 0	1	Given 1	2-3	Given 2
2. Auditory	0	0	1	1	2-3	2
3. Awareness of Musical Stimuli	0-1	0	2-4	1	5	2
4. Verbal Commands	0-1	0	2	1	3	2
5. Arousal	0	0	1-2	1	3	2

Subgroup Score 2: Assessment Information for Use of Musical Parameters and Types

'Yes' ratings are given a score of two. 'No' ratings are given a score of one.

Response Category	Patient Rating	Possible Score
6. Behavioural Response to Music		6-12
7. Musical Response		7-14

SCORE 3: Clinically relevant information to inform goal setting

Response Category	Possible Rating	VS	MCS	EMERGING	NOT ASSESSED
8. Vocalisation	0-7 or 9	0-1	2-3	4-7	9
9. Non-verbal communication	0-3	0	1-2	3	Always assessed
10. Choice-making	0-5	0	1-3	4-5	Always assessed
11. Motor Skills	0-4 or 9	0-1	2-4	Not graded	9
12. Attention to task	0-3	0	1	2 or 3	Always assessed
13. Intentional Behaviour	0-3	0-1	2	3	Always assessed
14. Emotional Response	0-3	0-1	2	3	Always assessed

Music Therapy Assessment Tool for Awareness in Disorders Of Consciousness: Score Record

Patient's Name: Date of Birth:

Therapist's Name:

MATADOC Number:		Assessment Number: /4	
Session Date:			
SCORE 1: Essential Categories Principal Subscale			
Response Category	Rating	Score	
1. Visual			
2. Auditory			
3. Awareness of Musical Stimuli			
4. Verbal commands			
5. Arousal			
TOTAL SCORE			
Outcome (Demonstrated Awareness State)			
SCORE 2 - Musical Parameter and Response Type Assessment			
Response Category	Score	Type Demonstrated	
6. Behavioural Response to Music	/12		
7. Musical Response	/14		
TOTAL SCORE		/26	
SCORE 3 Additional Clinically Relevant Information to Inform Goal Setting & Interventions			
Response Category	Score (Rating)	VS/ Absent	MCS/Dev Area Other/ Strength
8. Vocalisation			
9. Non-verbal Communication			
10. Choice-making			
11. Motor Skills			
12. Attention to Task			
13. Intentional Behaviour			
14. Emotional Response			

Assessor's Signature: Date:

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Session Date:			
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1. Visual			
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3. Awareness of Musical Stimuli			
4. Verbal commands			
5. Arousal			
TOTAL SCORE			
Outcome (Demonstrated Awareness State)			
SCORE 2 - Musical Parameter and Response Type Assessment			
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7. Musical Response	/14		
TOTAL SCORE		/26	
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Response Category	Score (Rating)	VS/ Absent	MCS/Dev Area Other/ Strength
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9. Non-verbal Communication			
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11. Motor Skills			
12. Attention to Task			
13. Intentional Behaviour			
14. Emotional Response			

Assessor's Signature: Date:

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MATADOC Number:		Assessment Number: /4	
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9. Non-verbal Communication			
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11. Motor Skills			
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13. Intentional Behaviour			
14. Emotional Response			
Assessor's Signature: Date:			

Patient's Name:		Assessment Number: /4	
MATADOC Number:		Assessment Number: /4	
Session Date:			
SCORE 1: Essential Categories Principal Categories			
Response Category	Rating	Score	
1. Visual			
2. Auditory			
3. Awareness of Musical Stimuli			
4. Verbal commands			
5. Arousal			
TOTAL SCORE			
Outcome (Demonstrated Awareness State)			
SCORE 2 - Musical Parameter and Response Type Assessment			
Response Category	Score	Type Demonstrated	
6. Behavioural Response to Music	/12		
7. Musical Response	/14		
TOTAL SCORE			
SCORE 3 Additional Clinically Relevant Information to Inform Goal Setting & Interventions			
Response Category	Score (Rating)	VS/ Absent	MCS/Dev Area Other/ Strength
8. Vocalisation			
9. Non-verbal Communication			
10. Choice-making			
11. Motor Skills			
12. Attention to Task			
13. Intentional Behaviour			
14. Emotional Response			
Assessor's Signature: Date:			

Outcome of MATADOC Assessment			
Demonstrated Awareness State			
Behavioural Response to Music			
Musical Response			
Strength Areas			
Developing Areas			
Absent Response Types			
Assessor Signature			