Clinical Features of Catatonia

(Numbers indicate item on Bush-Francis Catatonia Rating Scale)

2

Immobility - Incapable of being moved

Stupor - Lack of critical cognitive function and level of consciousness. Sufferer is almost entirely unresponsive and only responds to base stimuli such as pain.

Mutism - Inability to speak

Staring - Prolonged gaze or fixed look

Withdrawal - Refuses to eat or drink and/or make eye contact

Catalepsy - Characterized by muscular rigidity and fixity of posture regardless of external stimuli. Decreased sensitivity to pain. Different than: Cataplexy, which is a sudden and transient episode of loss of muscle tone, often triggered by emotions

Posturing - Classically: involuntary flexion or extension of the arms and legs, indicating severe brain injury (Decorticate, Decerebrate) - in catatonia essentially the same as Catalepsy

Rigidity - An increase in muscle tone that causes resistance to passive movement throughout the whole range of motion

13

Waxy Flexibility - decreased response to stimuli and a tendency to remain in an immobile posture. If one were to move the arm of someone with waxy flexibility, they would keep their arm where one moved it until it was moved again, as if it were made from wax.

16

Automatic obedience - an exaggerated co-operation with an examiner's request, as if the patient were an automatron, robotically obeying a command. The patient complies with any and all suggestions, even those a normal person would usually refuse. With physical movements, this is called:

Mitgehen - "go along with..." (German) - very slight pressure leads to movement in any direction, also called the "anglepoise" effect or "anglepoise lamp sign". This is done despite instructions that the patient resist the pressure

12

Negativism - is a behavior in which a patient resists all attempts to move him, or ignores all requests or commands to move. Motiveless resistence to instructions or attempts to move/examine patient, when specific called:

Gegenhalten - phenomenon in which the subject opposes all passive movements with the same degree of force as applied by the examiner.

Mannerisms - A gesture that becomes abnormal through exaggeration or repetition (hopping, or walking tip-toe) odd, peculiar, purposeless.

Grimacing - A sharp contortion of the face expressive of pain, contempt, or disgust

Stereoytpy - is a repetitive or ritualistic movement, posture, or utterance. Stereotypies may be simple movements such as body rocking, or complex, such as self-caressing, crossing and uncrossing of legs, and marching in place. 20

Grasp reflex – a "frontal release sign" that has been linked with catatonia

1

Excitement - A series of unintentional and *purposeless* motions. This includes pacing around a room, wringing one's hands, pulling off clothing and putting it back on and other similar actions. Not attributable to goal directed behavior.

15.

Impulsivity - Inclination of an individual to initiate behavior without adequate forethought

Combativeness - Eager or disposed to fight; belligerent

7

Echophenomenia – Echolalia, repeating other person's words or statements; Echopraxia, imitating other person's actions; Palilaia, repeating patient's own statements

10

Verbigeration - Obsessive repetition of meaningless words and phrases

21

Perseveration - Repeatedly returns to same topic, or persists with movement

19

Ambitendency - A tendency to act in opposite ways or directions. Patient appears stuck and indecisive.

23

Autonomic instability - Temperature, BP, pulse, diaphoresis, respiratory rate

1. Bush G, Fink M, Petrides G, Dowling F, Francis A. Catatonia, I: rating scale and standardized examination. *Acta Psychiatr Scand*. 1996; 93(2): 129-136.

	Proc≘dura	Exemines
	Observe patient while trying to engage in a conversation	Activity level Abnormal movements Abnormal speech.
2	Examiner scratches head in exaggerated manner	Schopraxia
3	Examine arm for cogwheeling. Attempt to reposture, instructing patient to "keep your arm loose" – move arm with alternating lighter and heavier force.	Negativism Waxy flexibility Gaganhaltan
4	Ask patient to extend arm. Place one finger beneath hand and try to raise slowly after stating, "Do NOT let me raise your arm".	Mitãeh≅u
5	Extend hand stating "Do NOT shake my hand".	Ambitendence
б	Reach into pocket and state,"Stick out your tongue, I want to stick a pin in it".	Automatic obedienca
7	Check for grasp raflex.	Grash teyex
8	Check chart for reports of previous 24-hour period. In particular check for oral intake, vital aigns, and any incidents.	
9	Attempt to observe patient indirectly, at least for a brief period, each day.	

Treatment:

- Lorazepam is initially prescribed at 3-4mg day.
- One-time test dose of 2mg can be administered IM/TV
- If well tolerated and catatonia does not resolve in two days, the dosage may be doubled, and increased progressively to 8-16mg a day.
- If after a few days, catatonia does not show signs of resolving, or does so transiently with each dosing, ECT becomes a prime consideration.
- Patients with chronic illness and persistent catatonic features are also less likely to respond to benzodiazepines, making ECT the principal treatment.
- Presence of excitement and peculiar behaviors often compel the prescription of antipsychotic medications
- These medicines should be avoided because they have been reported as precipitating the malignant form of catatonia.

Fink M, Taylor MA. The Catatonic Syndrome, Forgotten but Not Gone. Arch Gen Psychiatry. 2009; 66(11): 1173-1177.

Fink M. Taylor MA. Catatonia: A Clinician's Guide to Diagnosis and Treatment Cambridge, England: Cambridge University Press; 2003.

BUSH-FRANCIS CATATONIA RATING SCALE
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BUSH-FRANCIS CATATONIA RATING SCALE (CONT.)

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