

History Taking and Mental State Examination

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Objectives

- To describe history-taking in psychiatry
- To see how to take psychiatric history
- To describe mental status examination (MSE) components
- To see how to do mental status examination (MSE)



EDITING FILE

The Psychiatric Interview

◄ Introduction

- Components of the psychiatric interview: beginning, interview itself and closing
- One supreme skill of any physician is active listening.
- Physicians should monitor:
 - The **content** of the interaction (what patient and doctor say to each other)
 - The <u>process</u> of the interaction (what patient and doctor may not say but clearly convey in many other ways)
 - Physicians should be sensitive to the effects of patient background, culture, environment, and psychology on the doctor—patient relationship
 - Because patients are multifaceted people and a physician should not consider disease or syndromes only.

Psychiatric History

- It is the **chronological** story of the patient's life from birth to present
- It includes information about who the patient is, their problem (Biopsychsocial aspects) and its possible causes and available support
- Information elicited both from the patient and from one or more informants
- The more that doctors understand themselves, the more secure they feel, and the better able they are to modify destructive attitudes.
- Increased flexibility leads to
 - o Increased responsiveness to the subtle interplay between doctor and patient
 - Tolerance for the uncertainty present in any clinical situation with any patient

■ Models of Doctor-Patient Relationship (Szasz and Hollender's Classification)

1. The mutual participation model (the best model)

- a. Treating physician and patient are responsible of the therapeutic process
- b. Decisions are satisfactory to both parties
- c. The most appropriate model for chronic diseases

2. The activity-passivity model

- a. Treating physician is responsible of the therapeutic process regardless of patient cooperation
- b. Decisions may not be satisfactory to both parties
- c. The most appropriate method for some emergencies

3. The guidance-cooperation model (teacher-student, parent-child model)

- a. Treating physician is responsible of the therapeutic process and the patient cooperates
- b. Decisions may not be satisfactory to both parties
- c. The most commonly used method in medical practice

4. The friendship (socially intimate model)

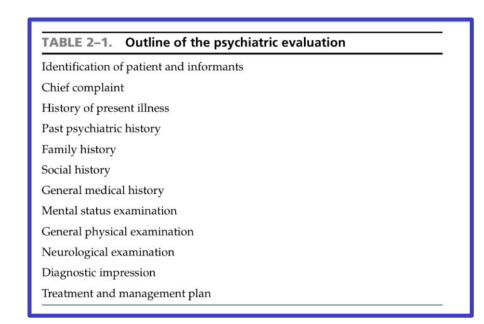
a. May arouse boundary issues

Aims of the Psychiatric Interview

- Obtain the necessary information in order to:
 - Make a diagnosis and generating a treatment plan
 - Document patient details in a readable format
- Understand the person with the illness
- Understand the circumstances of the patient
- Build a therapeutic alliance (rapport)
 - Best established by first asking the patient about themselves (e.g. what do you do for a living?, what do you do for fun?)
- Provide information about the illness, recommendation and prognosis

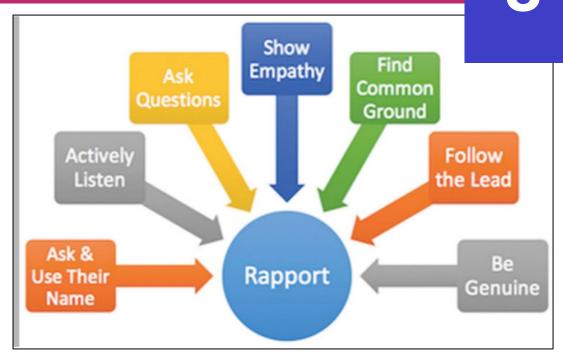
Interview Opening: General Advice

- 1. Put patient at ease
 - a. L-shaped position
 - b. No intervening disk
 - c. Not directly in front of each other
- 2. Introduce yourself and greet the patient by name
- 3. Reassure privacy and confidentiality, separate room.
- 4. Suitable distance (e.g. with geriatric or aggressive patients)
- 5. Be supportive, attentive, non-judgmental and encouraging
 - a. Adding a subtle sentence such as اله قدّر الله after mentioning a seemingly taboo act still carries a judgemental flavour, (e.g., have you ever السمح الله consumed alcohol?)
 - b. Judgement may be verbal or nonverbal
- 6. Explain yourself to the patient, the purpose of interview and expected time needed
- 7. Observe the patient's nonverbal behavior and avoid excessive note-taking
 - a. People with persecutory delusions (think that the world is conspiring against them) might become apprehensive in such circumstances
- 8. With whom you will start (the patient or their relative)
 - a. The source of information should be mentioned in the summary
 - b. Rate the adequacy of the obtained information and opine on the need of more details
 - c. Determine the reliability of the informant (explained in page 4)
- 9. Why did they come with a relative? (psychosis vs. neurosis)
- 10. Start with open ended questions
 - a. Ideally each patient should be observed talking freely without interruptions for 3-4 minutes. This serves to evaluate the coherency of the thought process and narrows the list of differential diagnoses.
 - b. Close-ended questions are used either when time is lacking or a specific piece of information needs to be obtained
- 11. Do not be afraid to ask about embarrassing topics (e.g., first sexual experience, use of drugs or alcohol)



Six Strategies to Develop Rapport

- 1. Putting patient at ease
- 2. Finding patient's pain and expressing compassion
- 3. Evaluating patients' insight and becoming an ally
- 4. Showing expertise
- 5. Establishing authority as a physician or therapist
- 6. Balancing the roles of empathic listener, expert, and authority



		Interview Skills and Techniques			
1	Reflection	A doctor repeats to a patient in a supportive manner something that the patient has said			
2	Facilitation	Doctors help patients continue in the interview by providing both verbal and nonverbal cues			
3	Silence & Empathy	 To allow freedom of expression and assess the patient thought navigational process Sympathy: Emotional acknowledgement of other people's distress Empathy: Emotional acknowledgement plus understanding the reasoning behind the distress 			
4	Confrontation	Meant to point out to a patient something that the doctor thinks the patient is not paying attention to, is missing, or is in some way denying. (e.g., a patient who avoids attending the holiday festivities with his family, the psychiatrist might suggest a probable cause, such as avoiding a certain individual)			
5	Clarification	Attempt to get details from patients about what they have already said • An attempt should be made to clarify the vagueness of a chief complaint			
6	Interpretation	Most often used when a doctor states something about a patient's behavior or thinking that a patient may not be aware of.			
7	Summation	Periodic summarization of what a patient has said thus far.			
8	Explanation	Explain treatment plans to patients in easily understandable language and allow patient to respond and ask questions			
9	Transition	Allows doctors to convey the idea that enough information has been obtained on one subject; the doctor's words encourage patients to continue on to another subject It describes a transition across different areas of the history structure, the transition should be smooth and non-interruptive			
10	Self-revelation	Limited, discreet self-disclosure by physicians may be useful in certain situations, and physicians should feel at ease and should communicate a sense of self-comfort - Though the placement of boundaries is still pivotal			
11	Positive reinforcement	 Positive reinforcement: A behaviour is encouraged by introducing a pleasant stimulus/ or promise Negative reinforcement: A behaviour is encouraged by removing an aversive stimulus Positive punishment: A behaviour is discouraged by introducing an aversive stimulus Negative punishment: A behaviour is discouraged by removing a pleasant stimulus 			
12	Reassurance and	advice			

Transference

• The patient is transferring feelings toward others in their life onto the physician

• Counter-transference

- Emotional reactions to the patient from the doctor
- Often involves the doctor's past experience

Psychiatric Patient History Taking

1. Personal Information

- Identification data: (name, age, nationality, sex, marital, education, job, residency) Age serves in narrowing your differential diagnosis, the occupation gives an indication on the functional status of the patient
- Referral source: brief statement of how the patient came to the clinic and the expectations of the consultation
- Chief complaint preferably in the patient's own words (a verbatim statement): If vague, ask for a clarification
- Duration
- Source of information: always mention the source of information when summarizing the history and rate its adequacy and the need for more details
- Reliability: Refers to the consistency of the self-reported information of the patient. (e.g., a psychotic patient who is in a continuous belief that they are the antichrist may very well be considered reliable). The determinant is the consistency of information with other reported information, the degree of contradictions is the most important indicator of reliability (e.g., contradictions may expose malingering patients)

2. History of Presenting illness

- Chronological background of the psychiatric problem (nature, onset, severity, course).
- Check main illness
- Precipitating & relieving factors
- Check for function: effects on the patient (social life, job, family...)
- Any medical intervention (seek medical advice, medication {nature and effect})
- Symptoms not mentioned by the patient
- Important negatives (e.g., history of mania in depressed patient)
- Don't forget S.O.A.P.
 - o S: Suicidal & homicidal.
 - O: Organisity (e.g. traumatic brain injury, hypothyroidism or Parkinson's etc...)
 - A: Addiction
 - P: Psychosis: (e.g., delusion, hallucination) should lead to prompt safety evaluation of the patient.

 Delusions should be differentiated from overvalued ideas, delusions are fixed and are often believed with full certainty, whereas overvalued ideas have a healthier degree of doubt.
- Review of the relevant problems

3. Past Medical & Surgical History

- Psychiatric: previous episode (reason),
- Medical and surgical (follow-up, admission (number, duration and reason, all major illnesses should be listed)
- Medications (Name, dose, response, side effects)
- Don't forget (head trauma, epilepsy, thyroid, and systematic review)
- To summarize: hospitalization should be listed in a chronological (1) age of the first hospitalization, (2) number of hospitalizations, (3) detailed description of each event (e.g. complaint, treatment, presence of manic episodes in depressed individuals), with the additional usual questions of past medical and surgical history.

4. Family History

- Parents (age, consanguinity, illness, if died mention age and cause of death, and patient's age at that time)
- Psychiatric illnesses in other first and 2nd degree relatives (siblings grandparents, uncles, aunts, nephews, & nieces)
- Positive history of (psych, drug, homicide, suicide, substance abuse)
- Relationship between patient and family and order between siblings

5. Social History

- Childhood (preg. Development).
- Schooling (age, level ,performance, relations, misconduct).
- Marital (age, consanguinity, children, relation past & current).
- Occupation (age, duration, relation, performance).
- Forensic (arrest, prison & why).
- Social (living situation, financial stat, support).
- Don't forget detail & reason of any (stop of school, change or quit of job, divorce & other wife's)
- If the patient is unemployed inquire about previous occupations, a history of firings may be relevant in narcissistic personalities

6. Premorbid Personality

(A description of the patient's personality traits prior to the onset of the disorder)

- How is it described by others?
- Prevailing mood
- Social skills
- Hobbies
- Impulsivity: (e.g., relationships, decisions, eating and sexual behaviors), it is often marked by a follow-up sensation of regret. Planned actions that are conventionally deemed inappropriate (e.g., drifting, criminality, serial killing) are not necessarily impulsive
- Coping

7. Personality Traits

- Attitude to self (self-appraisal, performance, satisfaction, past achievements and failures, future).
- Moral and religious attitudes and standards
- Prevailing mood and emotions
- Reaction to stress (ability to tolerate frustration and disappointments, pattern of coping strategies)
- Personal interests, habits, hobbies and leisure activities
- Interpersonal relationships.

8. Summary & Formulation

- Current symptoms
- Precipitating factors.
- Brief past psychiatric history
- Predisposing factors (biopsychosocial).
- Safety.
- Important points in treatment

9. Diagnosis & Management

- Biopsychosocial in assessment & treatment.
- Short & long term treatment
- Be specific, (e.g. I'll start patient on Risperdal 2mg NOT I'll start patient on atypical antipsychotic).
- Education of patientt & family.

The Mental Status Examination

- MSE is a cross-sectional (one point in time), systemic documentation of the quality of mental functioning at the time of interview.
- It is the psychiatric equivalent of a physical examination
- It serves as a baseline for future comparison and to follow the progress of the patient

TABLE 2-2.	Outline of	the mental	status	examination
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Appearance and attitude General information

Motor activity Calculations

Thought and speech Capacity to read and write

Mood and affect Visuospatial ability

Perception Attention
Orientation Abstraction

Memory Judgment and insight

1. Appearance

- Bodybuild
- Grooming (Self-care. Including hygiene, clothes, hair, or nails)
- Facial expressions
- Signs of chronicity: Weight loss, stated-age appropriateness (If patient looks older than their stated age suspect chronic disease or substance abuse)

Others

- Substance abuse signs
 - Pupil size: Drug intoxication/withdrawal
 - Needle marks/tracks: Drug use
 - Appearance older than the stated age
- Physical harm signs
 - Bruises in hidden areas: ↑ suspicion for abuse.
 - Superficial cuts on arms: Self-harm.
- Eroding of tooth enamel: Eating disorders (from vomiting)(e.g., bulimic patients)

2. Behaviour

- Both the quantitative and qualitative aspects.
- Level of activity
- Posture and eye to eye contact
- Unusual movements (tics, grimacing, tremor, disinhibited behaviour, catatonia hallucinatory gestures,...etc.)(Discussed in other lectures)

3. Attitude

- Verbal & non verbal
- interested, bored, cooperative, uncooperative, sarcastic, guarded or aggressive
- Disinhibition

4. Mood

- Mood is the self-reported emotion that the patient tells you about
- Neutral, euphoric elated, ,expansive, depressed, anxious or irritable (discussed in other lectures)

5. Affect

- Affect is the perceived emotional state by others
- 1. Type of affect: Euthymic, euphoric, neutral, dysphoric.
- 2. Range or variability describes the depth and range of the feelings shown. Parameters: flat (none), blunted (shallow), restricted or constricted (limited), full (average), intense (more than normal).
- 3. Motility describes the quickness in shifting between emotional states. Parameters: sluggish, supple, labile (in bipolar patients).
- 4. **Appropriateness** to content describes whether the affect is congruent with the subject of conversation or stated mood. Parameters: appropriate, not appropriate.
- 5. Nature (e.g. anxiety, depression, elation...).

Mood		Affect			
•	The long term feeling state through which all experience are filtered. The emotional background Last days to weeks. Changes spontaneously, not related to internal or external stimuli.		The visible and audible manifestations of the patient emotional response to external and internal events The emotional foreground Momentary, seconds to hours (Current emotional state) Changes according to internal & external stimuli		
•	Symptom (ask patient)	•	Sign (observed by others)		

6. Speech

- 1. Quantity or rate of production: pressured, slowed, regular
- 2. Quality: (a) rhythm (i.e., prosody), (b) articulation: dysarthria, stuttering
- 3. Accent/dialect
- 4. Volume, flow and tone
- 5. Coherence, continuity and spontaneity

7. Thoughts (inferred from speech)

Form	Content		
The way in which a person puts together ideas and	What a person is actually thinking about.		
associations.	Examples (all are discussed in signs and symptoms		
Examples (all are discussed in signs and symptoms	lectures)		
lectures)	 Delusions 		
 Goal-directed thinking 	 Preoccupations 		
 Loosening of associations or derailment 	 Obsessions and compulsions 		
 Flight of ideas 	Phobias		
 Tangentiality 	 Suicidal or homicidal ideas 		
 Circumstantiality 	 Ideas of reference and influence 		
 Word salad or incoherence 	Poverty of content		
 Neologisms 			
 Clang associations (rhyming) 			
 Punning (double meaning) 			
Thought blocking			

Thought stream: Pressured thought, poverty of thought, and thought block

8. Perception

- Illusion: misinterpretation of an external stimulus
- Hallucinations: No external stimulus
- Which sensory system (e.g. auditory, visual..etc...)
- Content person: 2nd person (imagined speech directed to the patient), 3rd: (imagined group of people talking about the patient)
- Patient reaction to hallucination
- Hypnagogic hallucinations (before sleep), hypnopompic hallucinations (after waking up)
- Pseudohallucinations: recognized by the person as being unreal
- Depersonalization and derealization: extreme feelings of detachment from the self or the environment
- Formication: The feeling of bugs crawling on or under the skin

9. Cognitive Functions

A. Cognitive functions

- a. Consciousness level and orientation (to rule out delirium)
- b. Attention and concentration: Spelling a word backward, serial 7 test (also a test of calculation, confounder is level of education), if unable to perform \rightarrow serial 3 test \rightarrow weekdays in backward
- c. Abstract thinking (prefrontal cortex)
 - i. It is the ability to deal with concepts and to make appropriate inference.
 - ii. Inability to comprehend abstract thought is termed concrete thinking, which is abnormal
 - iii. It can be tested by
 - 1. Similarities: ask the patient to tell you the similarity between 2 things (e.g. car and train), and the difference between 2 things (e.g. book and notebook)
 - 2. Proverbs: ask the patient to interpret one or two proverbs (e.g. people in glass houses should not throw stones) the patient may give a concrete answer (e.g. stones will break the glass)
- d. Visuospatial Ability (parietal, occipital cortices): When brain pathology is suspected: Ask the patient to copy a figure such as interlocking pentagons
- e. Judgment:
 - i. The patient's predicted response and behaviour in imaginary situation. E.g. Asking what he/she would do in a fire. From recent history. Judgement is assessed by scenarios and placing obstacles. (e.g., you smelled smoke in the house and you're highly suspicious of fire eruption, what are you gonna do? If the patient answered with "I am going to call the fire department, of course." You must then place an obstacle "Let's say you didn't have a phone with you", ideally you should impose three to four obstacles.

9. Cognitive Functions

f. Insight

- (1) Complete denial of illness
- (2) Slight awareness of being sick and needing help but denying it at the same time
- (3) Awareness of being sick but blaming it on others, on external factors, or on organic factors. Awareness that illness is due to something unknown in the patient.
- (4) Intellectual insight: admission that the patient is ill and that symptoms or failures in social adjustment are due to the patient's own particular irrational feelings or disturbances without applying this knowledge to future experiences
- (5) **True emotional insight:** emotional awareness of the motives and feelings within the patient and the important people in his or her life, which can lead to basic changes in behavior of Patient's compliance with psychiatric treatment depends on his insight.

Patient's compliance with psychiatric treatment depends on his insight.

Alternative classification:

- 1. Full-complete insight: They know they have a disease + knows they need treatment
- 2. Partial insight: know they have a disease but treatment isn't needed OR thinks they don't have a disease but believes treatment helps them
- 3. Poor Insight: Thinks he doesn't have disease and doesn't need treatment.

Or you may describe it as present or absent, though this is not preferred

g. Language and reading

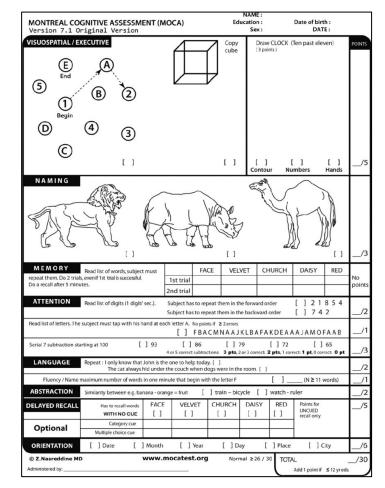
- 1. Nominal aphasia: name two objects (e.g. a pen and a watch)
- 2. Expressive aphasia: repeat after you certain words
- 3. Receptive aphasia: carry out a verbal command
- 4. Reading comprehension: read a sentence with written command (e.g. close your eyes)

h. Memory

- 1. Immediate memory / Registration (Spell the word "world" backward) (sensory cortices)
- 2. Short term memory E.g. give pt three words and ask about them after 5 mins (sensory cortices + prefrontal cortex)
- 3. Recent memory E.g. asking about recent national event (prefrontal cortex and temporal lobe)
- 4. Remote memory (long-term memory) E.g. asking about pt's graduation (temporal lobe)

Bedside Cognitive Assessment

- 1. MoCA: Montreal Cognitive Assessment
- 2. MMSE: Mini-mental state examination
- All will be discussed more fully in neurocognitive disorders lecture
- There are numerous other tests but these were the discussed ones



MINI MENTAL STATE	Name:			
EXAMINATION	DOB:			
(MMSE)	Hospital Number:			
One point for each answer	DATE:			1
ORIENTATION Year Season Month Date Time		/ 5	/ 5	/ 5
Country Town District Hospital Ward/Flo	oor	/ 5	/ 5	/ 5
REGISTRATION Examiner names three objects (e.g. apple, table, penny) patient to repeat (1 point for each correct. THEN the pa 3 names repeating until correct).		/3	/ 3	/ 3
ATTENTION AND CALCULATION Subtract 7 from 100, then repeat from result. Continue 93, 86, 79, 72, 65 (Alternative: spell "WORLD" backward		/ 5	/ 5	/ 5
RECALL Ask for the names of the three objects learned earlier.		/ 3	/ 3	/3
LANGUAGE Name two objects (e.g. pen, watch).		/ 2	/ 2	/ 2
Repeat "No ifs, ands, or buts".		/ 1	/ 1	/
Give a three-stage command. Score 1 for each stage. (e. finger of right hand on your nose and then on your left of		/ 3	/ 3	/
Ask the patient to read and obey a written command or paper. The written instruction is: "Close your eyes".	a piece of	/ 1	/ 1	/
Ask the patient to write a sentence. Score 1 if it is sensit subject and a verb.	ole and has a	/ 1	/ 1	/
COPYING: Ask the patient to copy a pair of intersecting po	entagons			
		/ 1	/ 1	/:
	TOTAL:	/ 30	/ 30	/ 3
MMSE scoring 24-30: no cognitive impairment 18-23: mild cognitive impairment				
0-17: severe cognitive impairment			OME Ox	ford Medical

Miscellaneous Tests

- IQ (Intelligent quotient) is a test of intelligence with a mean of 100 and a standard deviation of 15
- An IQ of 100 signifies that mental age equals chronological age
- Intelligence tests assess cognitive function by evaluating comprehension, fund of knowledge, math skills, vocabulary, picture assembly, and other verbal and performance skills. Two common tests are:
- Wechsler Adult Intelligence Scale (WAIS):
 - Most common test for ages 16–90.
 - Assesses overall intellectual functioning.
 - o Four index scores: Verbal comprehension, perceptual reasoning, working memory, processing speed.
- Wechsler Intelligence Scale for Children (WISC): Tests intellectual ability in patients ages 6–16.

IQ Chart

Very superior: >130 Superior: 120–129 High average: 110–119 Average: 90–109 Low average: 80–89 Borderline: 70–79

Extremely low (intellectual disability): <70

Concluding the Interview

- Differential diagnoses
- Provisional (working) diagnosis
- Investigations
- Management: Acute or chronic, outpatient Vs. inpatient, Biopsychosocial treatment
- Full explanation about the plan (S/E, efficacy, risk of addiction, and any other questions from the patient)
- Doctors explain treatment plans to patients in easily understandable language and allow patients to respond and ask questions.
- Prognosis
- Professional Boundaries (It's doctor's responsibility to maintain it)

Difficult Doctor-Patient: (Relationships)

- The Seductive Patient
- The "Hateful" Patient
- The Patient With a Thousand Symptoms
- The Patient in the Hospital Setting
- The Mentally Disturbed Patient
- The Dying Patient

Quiz

- 1. Which of the following is evaluatory of the thought content?
 - a. Tangentiality
 - b. Flight of ideas
 - c. Circumstantiality
 - d. Delusions
- 2. MMSE and MoCA scoring systems maximum upper limit is:
 - a. 10
 - b. 25
 - c. 28
 - d. 30
- 3. "Pointing out to a patient something that the doctor thinks the patient is not paying attention to, is missing, or is in some way denying"
 - a. Confrontation
 - b. Facilitation
 - c. Interpretation
 - d. Explanation
- 4. Superficial bruises are signs of:
 - a. Self-harm
 - b. Methanol intoxication
 - c. Domestic abuse
 - d. Bulimia
- 5. In a psychiatric interview, which of the following describes the ideal setting?
 - a. Directly in-front of each other with appropriate eye-contact
 - b. L-shaped position
 - c. Sitting next to each other
 - d. Lying on a sofa anywhere in the office

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