

# Psychiatry

World of Revision

Marrow

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## Psychiatry

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# PSYCHOSIS RELATED DISORDERS

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## Psychotic Disorders

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- Loss of touch with reality.
- marked disturbance in :
  - Thoughts (**Disorganized**, illogical or fragmented).
  - Perception (Hallucinations).
  - Emotions (Blunted, inappropriate or labile affect).
  - Behaviour (Disorganized or **catatonic** actions).
- E.g. : Schizophrenia, delusional disorder.

## Psychotic vs. Neurotic Disorders :

Neurotic disorders :

- Generalized anxiety disorder
- Obsessive compulsive disorder

c/f : **JIPR** (mnemonic)

- **J**udgement
- **I**nsight
- **P**ersonality
- **R**eality

⊕

⊖/↓

Psychotic disorders :

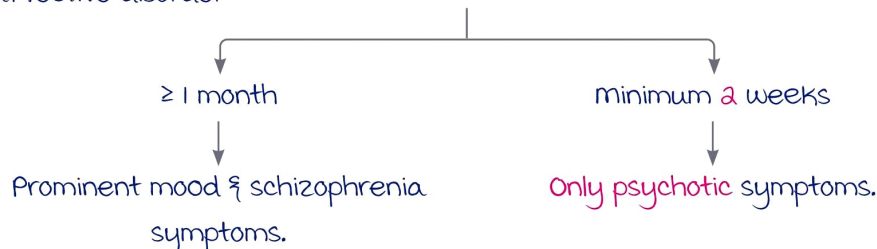
- Schizophrenia.
- Delusional disorders.

## Timelines for Diagnosis :

Psychotic disorders :

| Duration     | ICD                         | DSM-5                           |
|--------------|-----------------------------|---------------------------------|
| < 1 month    | Acute & transient psychosis | Brief psychotic disorder        |
| 1 - 6 months | Schizophrenia               | <b>Schizophreniform illness</b> |
| > 6 months   |                             | Schizophrenia                   |

Schizoaffective disorder :



Delusional Disorder :



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**Schizophrenia : Introduction**

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Bleuler :

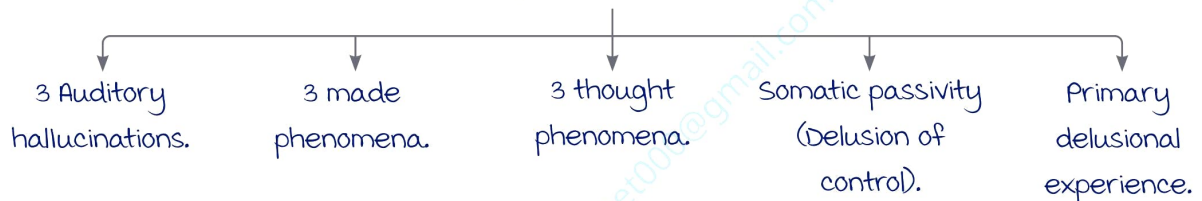
- Coined the term 'schizophrenia'.
- 4 A's :

Note :

Auditory hallucination is not a part of 4 A's.

Positive symptoms :

Kurt Schneider's II first rank Symptoms :

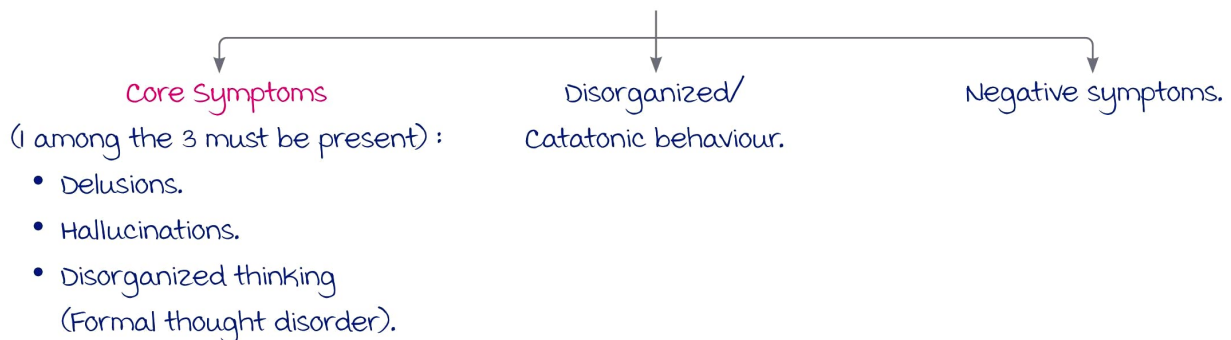


Negative symptoms :

- Apathy.
- Avolition.
- Affective flattening.
- Attention deficit.
- Anhedonia :
  - Loss of pleasure in previously pleasurable activities.
  - Also seen in depression.
- Alogia.

**Diagnosis of Schizophrenia :**

At least 2 of the following symptoms &gt; 1 month (ICD) / &gt; 6 months (DSM)



**Schizophrenia : C/F**

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**Delusions :**

- False & fixed belief.
- m/c delusion : Paranoid/Persecutory delusion.

**Note :**

Idea : False & fluctuating belief.

**Named delusions :**

|  |                  | Features   |
|--|------------------|--|
| Othello syndrome   |                  | <ul style="list-style-type: none"> <li>• Delusional jealousy/delusion of infidelity</li> <li>• Common in chronic alcoholics</li> </ul>   |
| De Clerambault syndrome  |                  | Erotomania/delusion of love  |
| Cotard syndrome/<br>Walking corpse syndrome  |                  | Severe depression +<br>nihilistic delusion (Delusion of negation)  |
| magnan syndrome  |                  | <ul style="list-style-type: none"> <li>• AKA cocaine psychosis/cocaine bugs/formication</li> <li>• Delusions of persecution + tactile hallucination (Insects crawling under skin)</li> </ul> |
| Ekbom syndrome  |                  | <ul style="list-style-type: none"> <li>• Delusional parasitosis</li> <li>• match box sign</li> <li>• Type of restless leg syndrome</li> </ul>  |
| Delusions of misidentification   | Capgras syndrome | <ul style="list-style-type: none"> <li>• Known person → Stranger</li> <li>• Negative misidentification/delusion of doubles</li> </ul>  |
|  | Fregoli syndrome | <ul style="list-style-type: none"> <li>• Stranger → Persecutor</li> <li>• Positive misidentification</li> </ul>  |

**Delusional disorder vs. Schizophrenia :**

|   | Delusional disorder | Schizophrenia                              |
|---|---------------------|--|
| Core symptom                              | Delusions           | Delusions<br>+<br>Other psychotic symptoms |
| Delusion type                             | Simple              | Complex & bizarre                          |
| Vegetative symptoms<br>(Sleep & appetite) | Normal              | Affected                                   |
| Daily functioning                         | Normal              | Affected                                   |



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**Hallucinations :**

Types :

|          | m/c associated disorder 🧠                         |
|----------|---|
| Visual   | Organic mental illness (Neurocognitive disorders) |
| Auditory | Schizophrenia                                     |
| Tactile  | magnan syndrome                                   |

- True hallucination : Originates from **outer objective** space.
- Pseudo hallucination : Originates from **inner subjective** space.

**Formal Thought Disorder :**

- Disturbance in healthy thinking (Constancy + continuity + organization).
- AKA disorder of thought form/disorganized thinking/**word salad** (Verbigeration).

Features 🧠 :

- Derailment.
- Tangentiality.
- **Neologism**.
- **Syllogistic thinking**.
- Autistic thinking.

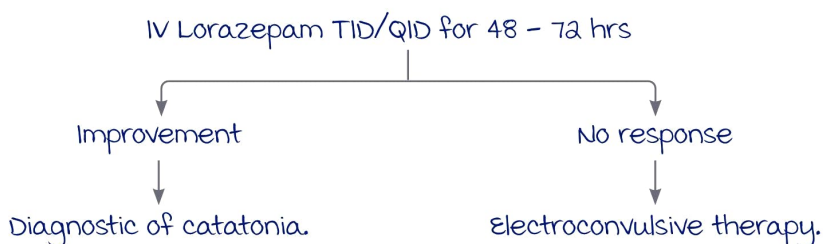
**Catatonia :**Etiology : **Frontal lobe** dysfunction.

- mood disorders (mania > Depression).
- Schizophrenia.
- Organic/Neurocognitive conditions.

Clinical features 🧠 :

- **Psychological pillow** : Neck remains elevated even upon removal of pillow.
- Automatic obedience.
- **Catalepsy** : maintain same posture for a long time.
- Waxy flexibility.

Treatment 🧠 :

**Lorazepam trial test :**



**Schizophrenia : Prognostic Factors**

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|                             | Good factors  | Bad factors       |
|-----------------------------|---------------|-------------------|
| Gender 🧠                    | Female        | male              |
| Onset                       | Acute         | Young & insidious |
| Precipitating factors       | ⊕             | ⊖                 |
| Premorbid functioning       | Well adjusted | Poor              |
| mood symptoms               | ⊕             | ⊖                 |
| Family h/o                  | Schizophrenia | ⊕                 |
|                             | mood disorder | -                 |
| Compliance to medication    | ⊕             | ⊖                 |
| Family & emotional support  | ⊕             | ⊖                 |
| Symptoms                    | more positive | more negative     |
| Neurological signs/symptoms | ⊖             | ⊕                 |
| H/o perinatal trauma        | ⊖             | ⊕                 |
| H/o assaultive behaviour    | ⊖             | ⊕                 |
| Relapses                    | -             | multiple          |

**Antipsychotics**

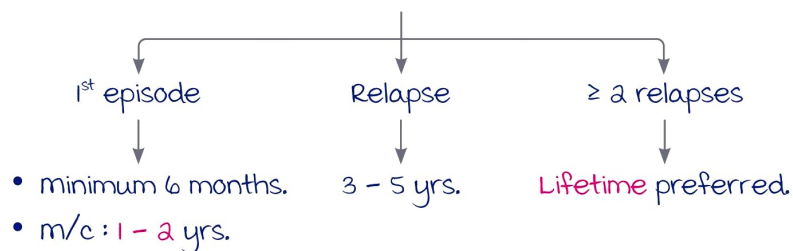
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Types :

| Generation           | Key points   |
|----------------------|--|
| First                | Neurotoxicity  |
| Second               | metabolic toxicity   |
| Third                | <ul style="list-style-type: none"> <li>• Partial agonist at <math>D_2</math> &amp; <math>5-HT_{1A}</math> receptor</li> <li>• Examples : ABC. <ul style="list-style-type: none"> <li>- Aripiprazole</li> <li>- Brexpiprazole</li> <li>- Cariprazine</li> </ul> </li> </ul>   |
| Newer antipsychotics | <ul style="list-style-type: none"> <li>• Pimavanserin : <ul style="list-style-type: none"> <li>- Inverse agonist (At <math>5HT_{2A}</math>)</li> <li>- Rx of Parkinson's disease</li> </ul> </li> <li>• Xanomeline + Trospium : <ul style="list-style-type: none"> <li>- Act on muscarinic system</li> </ul> </li> </ul> |

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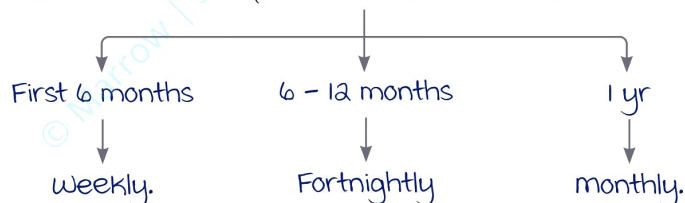
Duration of treatment :

Clozapine :

| Advantages  | Disadvantages   |
|---|---|
| <ul style="list-style-type: none"> <li>• most effective</li> <li>• minimal EPS</li> <li>• minimal hyperprolactinemia</li> </ul> | Severe s/e : <ul style="list-style-type: none"> <li>• myocarditis</li> <li>• Agranulocytosis (~ 1% cases)</li> </ul>  |
|   | Other s/e : <ul style="list-style-type: none"> <li>• Weight gain</li> <li>• Sedation</li> <li>• Hyperglycemia</li> <li>• Dyslipidemia</li> <li>• Sialorrhea</li> <li>• ↓ Seizure threshold (Dose dependent risk)</li> </ul> |

monitoring for agranulocytosis :

- Agranulocytosis : Absolute neutrophil count (ANC) < 500.
- Regular blood tests (Total & differential WBC count) :



Indication : DOC for treatment resistant schizophrenia 🛑  
(Refractory to two different antipsychotics).

Effects of Antipsychotics 🧠 :

| Drug                   | effect   |
|------------------------|--|
| Quetiapine             | Cataract   |
| Risperidone            | <ul style="list-style-type: none"> <li>• CVA</li> <li>• Hyperprolactinemia (max.)</li> </ul> |
| Olanzapine             | CVA  |
| Atypical antipsychotic | Weight gain  |
| Ziprasidone            | <ul style="list-style-type: none"> <li>• Weight neutral</li> <li>• Cardiotoxicity</li> </ul> |