SCHIZOPHRENIA

PHARMACOTHERAPY OF

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PROGNOSIS

Poor prognosis

- Male
- Negative family history
- PMH of schizophrenia
- Poor function before dx
- Low IQ
- Young when diagnosis
- Comorbidity
- …

GOAL SYMPTOMS

Positive symptoms

- ✓Hallucination
- ✓Delusion
- ✓Suspiciousness
- ✓Disorganization
- ✓…

Negative symptoms

- ✓Diminished emotional expression
- ✓Lack of motivation
- ✓Apathy
- ✓Anergy
- ✓…

DIFFERENTIAL DIAGNOSIS

Drug induced psychosis

- Amphetamine
- Cocaine
- Cannabis
- Phencyclidine (PCP)
- Lysergic acid dimethylamine (LSD)
- Anticholinergics

Primary psychosis disorders

Personality disorders

TREATMENT

- Goals

- Acute phase
- Established phase
- Maintenance

- Non-pharmacologic interventions

PHARMACOTHERAPY

❖ **BZDs**

- Akathisia
- Anxiety
- Agitation

❖ **Lithium**

- Psychosis
- Depression
- Irritability & Impulsiveness

- **Carbamazepine & Valproate**
- In combination:
- Agitation
- Psychosis
- Impulsiveness
- Mood instability
- Clozapine
- **Propranolol**

ANTIPSYCHOTICS

First generation (typical)

Haloperidol

Loxapine

Thiothixene

Chlorpromazine

Fluphenazine

Thioridazine

Trifluoperazine

Perphenazine

prochlorperazine

ANTIPSYCHOTICS

Second generation (atypical)

Clozapine

Risperidone

Quetiapine

Ziprasidone

Aripiprazole

Palperidone

Olanzapine

Lurasidone

SIDE EFFECTS

- **EPS & tardive dyskinesia**

Lowest with clozapine & quetiapine

- Acute dystonia
- Parkinsonism
- Akathisia
- Tardive dyskinesia

SIDE EFFECTS

- **Anticholinergic ADRs**
  - Delirium
  - Adynamic ileus
  - Constipation
  - Urinary retention
  - Dry mouth, throat & eye

SIDE EFFECTS

- **Cardiovascular ADRs**
  - Orthostatic hypotension
  - Tachycardia
  - QT prolongation

SIDE EFFECTS

- **Metabolic ADRs**
- Hyperprolactinemia
  - Risperidone, Olanzapine
- Weight gain
  - Diabetes Mellitus
  - Clozapine, Olanzapine
- **Neuroleptic Malignant Syndrome**
  - Dopamine agonists (Amantadine, Bromocriptine)

SIDE EFFECTS

- **Somnolence**
  - Clozapine, Quetiapine, some of typical APDs
- **Liver function**
  - Cholestatic jaundice
- **Ocular ADR**
  - Chlorpromazine, Thiothixene
- **Cutaneous ADR**
- **Seizure**

THANKS

Good Luck