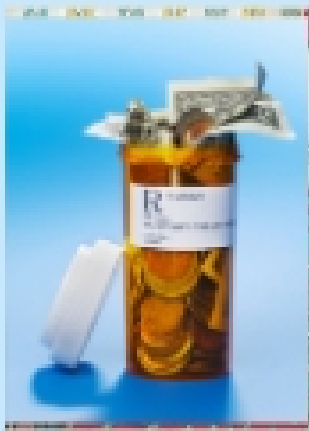


METHODS OF THERAPY

CHAPTER 16



BIOLOGICAL TX



- Popular. Why?
 - Genetic basis of some dx
 - Brain abnormalities associated with some dx
 - Promotion of biomedical solutions (\$)

DRUGS

- Most common biological tx
- Alter production of or response to chemical messengers

MAIN CLASSES OF DRUGS USED IN THE Tx OF MENTAL AND EMOTIONAL Dx:

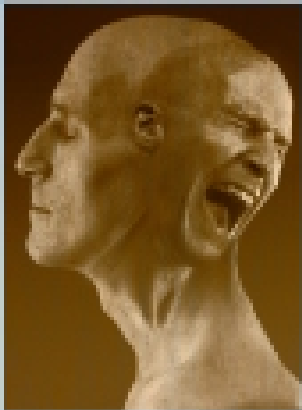
ANTIPSYCHOTICS ANTIDEPRESSANTS ANXIOLYTICS LITHIUM CARBONATE

ANTIPSYCHOTICS

- Used primarily in the tx of schizophrenia and other psychotic dx
- Can reduce agitation, delusions, hallucinations; shorten schizophrenic episodes
- Offers little relief from jumbled thoughts, difficulty concentrating, apathy, emotional flatness, difficulty interacting with others
- "Off label" and inappropriate uses: major depression, bipolar dx, autism, ADHD, dementia, etc.

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EXAMPLES

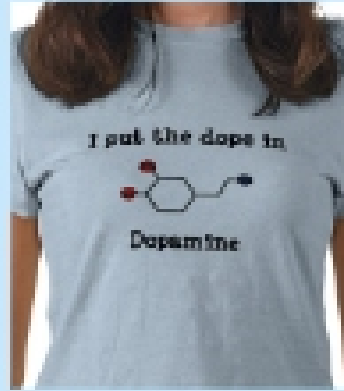


- First generation:
 - Thorazine
 - Haldol
- Second generation:
 - Clozaril
 - Risperdal
 - Zyprexa
 - Seroquel

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HOW THEY WORK

- Psychoses are thought to be caused by an excess of dopamine; therefore, antipsychotic drugs may:
 - Block or reduce effects or levels of dopamine
 - Increase effects of serotonin, which inhibits dopamine activity



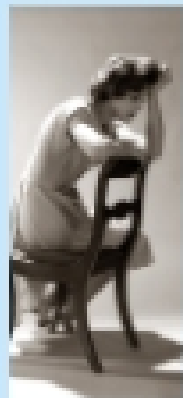
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THE DARK SIDE

- Side effects may include:
 - Involuntary muscle movements; may develop into tardive dyskinesia
 - Extreme weight gain (24-100lb/year); leads to increased risk of diabetes, stroke, sudden heart failure
- 90% of antipsychotics are second generation, but are they any better than the older, cheaper drugs?
- Ineffective tx for impulsive aggressiveness associated with ADHD, dementia, etc.

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ANTIDEPRESSANTS



- Used primarily in the tx of mood disorders, including depression, anxiety, phobias, and OCD
- Non-addictive

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