

## Antidepressant Drugs

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## IMPLICATIONS FOR THERAPY

- ☐ Antidepressants are used in the treatment of
- ☐ Antidepressants alleviate depressive S/sx
- ☐ Antidepressants may be used to stabilize

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## STATISTICS

- ☐ Antidepressants are the most common ...
- ☐ Antidepressants are most commonly ...
- ☐ Fifty percent of persons who are prescribed ...

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## BIOCHEMICAL THEORIES

- ☐ There is a lack of neurotransmitters ...
- ☐ Antidepressants make more ...
- ☐ Neurotransmitters most often cited ...

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## ALTERNATE THEORIES

- ☐ Receptor dysregulation
- ☐ Altered genetic output
- ☐ Premature neuronal death
- ☐ Lack of synaptogenesis

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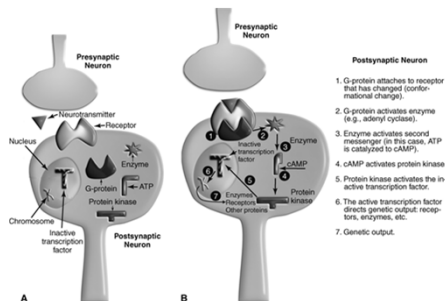
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## PSYCHOBIOLOGY OF DEPRESSION




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**ANTIDEPRESSANT TREATMENT STRATEGIES**

- ▣ First-line agents:...
- ▣ Second-line agents: ...
- ▣ Third-line agents:...

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**CATEGORIES OF ANTIDEPRESSANTS**

- ▣ Selective serotonin reuptake inhibitors...
- ▣ Serotonin-norepinephrine reuptake inhibitors
- ▣ NE and dopamine reuptake inhibitors
- ▣ Novel antidepressants:

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**CATEGORIES OF ANTIDEPRESSANTS**

- ▣ Nonselective inhibition of NE and serotonin =
- ▣ Inhibition of enzymes=???

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**IMPORTANT ISSUES RELATED TO ANTIDEPRESSANT USE**

- ☐ Serotonin syndrome
- ☐ Antidepressant apathy syndrome
- ☐ Antidepressant withdrawal syndrome
- ☐ Antidepressant loss of effectiveness
- ☐ Antidepressant-induced suicide

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**SIDE EFFECTS OF SSRIs**

- ☐ Gastrointestinal symptoms:
- ☐ Anticholinergic effects:
- ☐ Central nervous system effects:

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**SIDE EFFECTS OF TCAs**

- ☐ Cardiovascular effects: not as common in SSRIs
- ☐ Anticholinergic effects: PNS
- ☐ Gastrointestinal effects
- ☐ Genitourinary effect
- ☐ Central nervous system effects

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**TYRAMINE-RICH FOODS TO AVOID WITH MAOI**

- ☐ Alcoholic beverages
- ☐ Dairy products
- ☐ Fruits and vegetables
- ☐ Meats
- ☐ Other foods

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**SEROTONIN SYNDROME**

- ☐ Occurs if SSRI is combined with
  - Tryptophan
  - MAOIs
  - Amphetamines, lithium, ecstasy
  - Cocaine, dextromethorphan, some TCAs, venlafaxine
  - Buspirone, Lysergic acid diethylamide (LSD)

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**SEROTONIN SYNDROME (Cont.)**

- ☐ Cognitive effects:
  
- ☐ Autonomic effects:
  
- ☐ Somatic effects:

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## SSRI-DRUG INTERACTIONS

- ☐ MAOI:
- ☐ Lithium:
- ☐ Antipsychotic:
- ☐ Benzodiazepine:
- ☐ TCA:

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## TCA-DRUG INTERACTIONS

- ☐ MAOIs:
- ☐ Sympathomimetics:
- ☐ Warfarin:
- ☐ Barbiturates, anticonvulsants:
- ☐ Anticholinergics:
- ☐ L-Dopa:
- ☐ Alcohol, benzodiazepines:

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## HYPERTENSIVE CRISIS

- ☐ Palpitations
- ☐ Tightness in the chest
- ☐ Stiff neck
- ☐ Throbbing, radiating headache
- ☐ Elevated blood pressure and tachycardia
- ☐ Diaphoresis and dilated pupils

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