Psychiatry Sequence (PSY614)

Topic: **Antidepressant Medications**

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Recommended
Reading: Goodman & Gilman's *The Pharmacological Basis of Therapeutics*, 11th Ed., Ch. 17

Lecture: Tuesday, 10/28/08, 9:30-11:00 a.m.

Learning Objectives:

After reviewing the material on antidepressant drugs, the student should know and understand:

1. The primary classes of drugs used to treat depression and their known mechanism of action

2. The effects of the drugs on relevant neurotransmitter systems, how they will affect synaptic activity both acutely and long-term

3. The major side effects of the drugs and, when known, the mechanism of the side effects

4. Understand relevant components of the serotonergic and noradrenergic synapses.

Primary drugs to know are: fluoxetine, bupropion, venlafaxine, amitryptiline

Sample Test Question:

The primary known mechanism of action of sertraline is:

A. Blockade of norepinephrine reuptake
B. Blockade of serotonin reuptake
C. Activation of 5HT1 receptors
D. Alpha-adrenergic receptor blockade
E. Blockade of norepinephrine and serotonin reuptake

Answer: B