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## Learning Objectives

MedBridge  
*Pharmacology for the Neurologic Physical Therapist*  
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### Course Objectives:

Upon completion of this course, learners will be able to:

- Define pharmacokinetics and pharmacodynamics
- Understand the relevance of pharmacokinetics and pharmacodynamics to nervous system pharmacology
- Understand the physiology of the neurotransmitters acetylcholine, dopamine, gamma-aminobutyric acid, norepinephrine and serotonin relative to common neurologic symptoms and disorders
- Identify classes of pharmacological agents used to treat PD and AD including the indication for the medication
- Understand the physiological basis of the various pharmacological agents used to treat PD and AD
- Understand the side effects of various pharmacological agents used to treat PD and AD and how they relate to physical therapy treatment and/or the response to exercise
- Identify classes of pharmacological agents used to treat anxiety and depression including the indication for the medication
- Understand the physiological basis of the various pharmacological agents used to treat anxiety and depression
- Understand the side effects of various pharmacological agents used to treat anxiety and depression and how they relate to physical therapy treatment and/or the response to exercise
- Identify classes of pharmacological agents used to treat seizure disorder including the indication for the medication
- Understand the physiological basis of the various pharmacological agents used to treat seizure disorder
- Understand the side effects of various pharmacological agents used to treat seizure disorder and how they relate to physical therapy treatment and/or the response to exercise
- Identify classes of pharmacological agents used to treat spasticity including the indication for the medication
- Understand the physiological basis of the various pharmacological agents used to treat spasticity
- Understand the side effects of various pharmacological agents used to treat spasticity and how they relate to physical therapy treatment and/or the response to exercise