

PTY 724 : Pharmacotherapeutics for Physical Therapists

This course is designed to enhance the student's knowledge and critical thinking skills in the foundational principles of pharmacology. This will include an understanding of the pharmacotherapeutics, pharmacokinetics, and pharmacodynamic properties of common drug classifications. Factors affecting pharmacokinetics such as age, gender, body composition, disease, other drugs, nutrition and hydration will be discussed. Dose-response relationships, administration routes, absorption and distribution, biotransformation and excretion, potential activities/techniques and the physiological aspects of substance abuse will also be presented. Students will explore current trends and factors in pharmacological issues relevant to socioeconomic, cultural, legal and psychological issues.

Credits 3