Brain and Behavior Substance Abuse

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Teaching Points

- Substance abuse is under recognized and under treated.
- For diagnosis, specific questions about the onset of this disorder need to be asked

Outline

Course rationale
Prevalence
Course Objectives
Topic areas: drug types
Diagnostic questions for clinical interview

Why a course on Substance Abuse ?

- Very common disorder
- Poorly treated in clinical practice

Prevalence Substance Use Disorders*

	Lifetime	
New Haven	Baltimore	St. Louis
15.0%	17.0%	18.1%
	Six Months	
New Haven	Baltimore	St. Louis
6.6%	7.9%	6.5%
*not	including nicoti	ne

Lee Robbins et al, ECA (Epidemiological Catchment Area) Study

Course Objectives

- Early recognition
- Distinguish addiction from normal tolerance, physical dependence and withdrawal
- Pharmacology of drugs of abuse
- Prevent progression from use to abuse to addiction
- Refer to appropriate specialists

Drug Types

- Nicotine
- Sedatives

Alcohol, Benzodiazepines, and other hypnotics

- Stimulants
- Opioids
- Cannabinoids
- Hallucinogens

LSD, PCP, and Ecstasy

Diagnostic Questions for Clinical Interview

- How did this occur ?
- Early signs or clues
- Effects on performance
- Trajectory
- What would you have said to patient if you had been his significant other?
- What caused the patient to get help ?

Course Progression

- It has been established that Substance and Alcohol Use Disorders are brain diseases.
- The next series of lectures will discuss their pathophysiology, pharmacological and other therapeutic interventions used in treating these disorders.