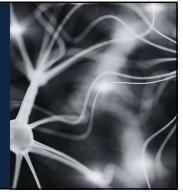
Petros Levounis, MD, MA, DFASAM July 27, 2023



Neurobiology of Addiction: Key Concepts and Models

Petros Levounis, MD, MA Profesor and Chir, Department of Psychiatry, and Associate Devan, Rugers New Jersey Medical School Director, Northern New Jersey Medication Assisted Treatment Centro Decellence President, American Psychiatric Association







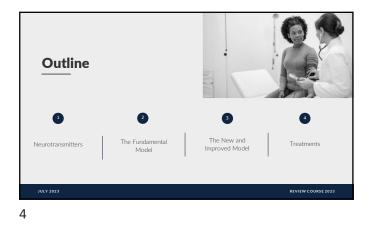
Financial Disclosure

Petros Levounis, MD, MA

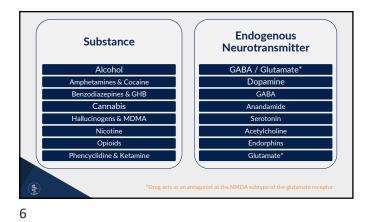
No relevant disclosures



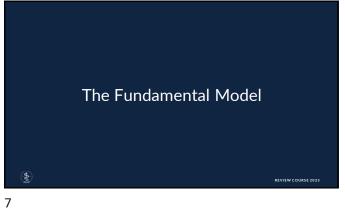


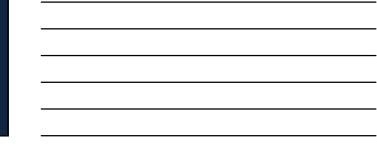


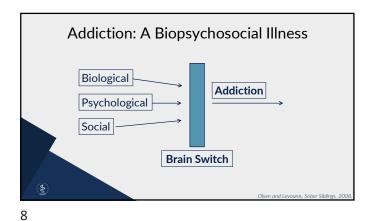




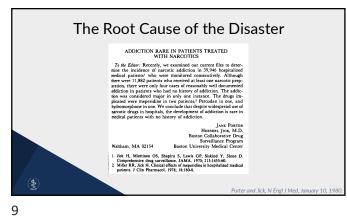




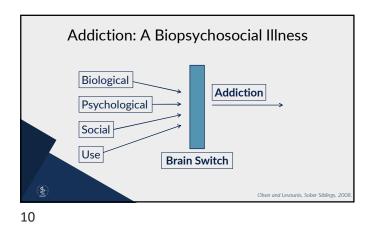


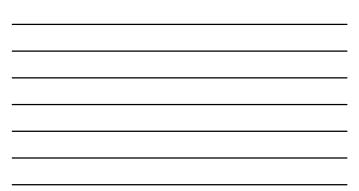


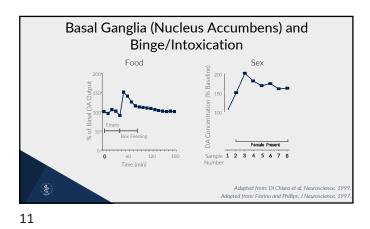




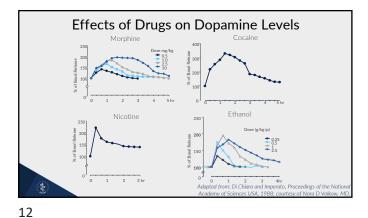




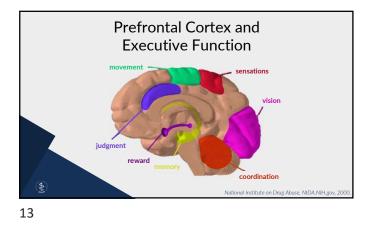




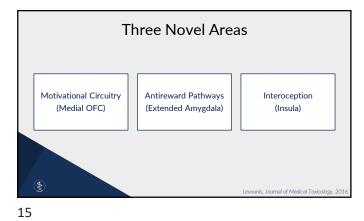




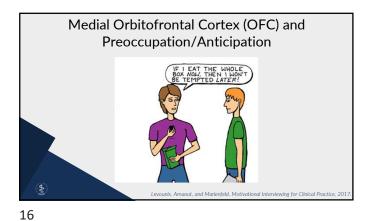




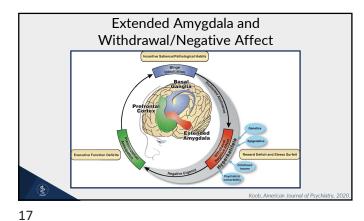




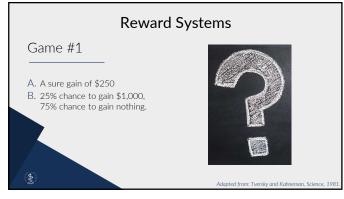




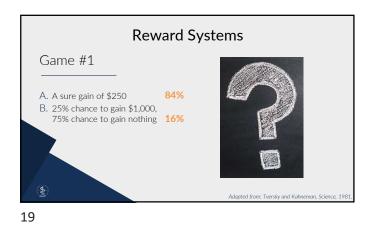








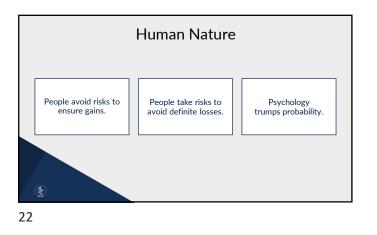








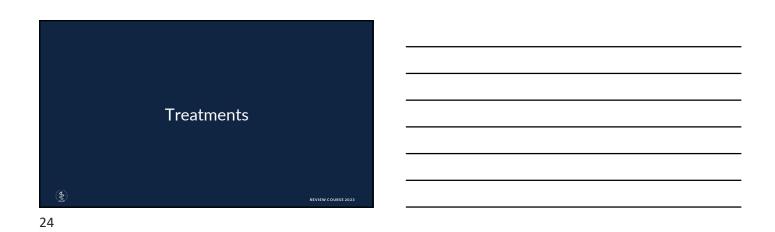


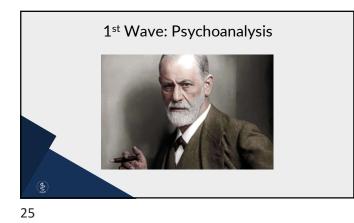


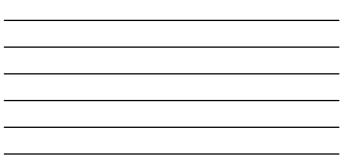


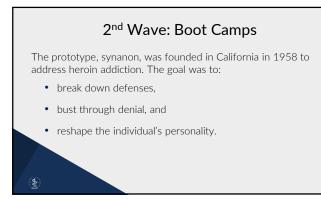


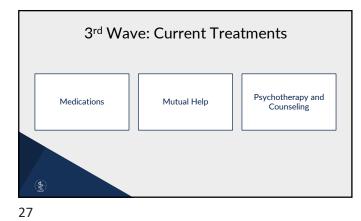


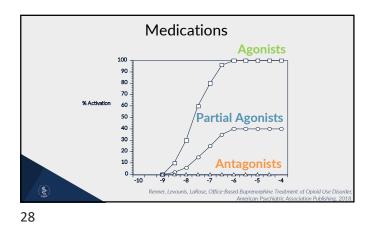








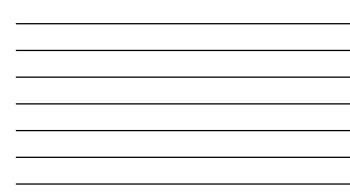


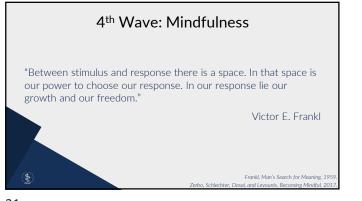


MEDICAL STAFF	PATIENTS	WHAT MEDICAL STAF
1. Housing	1. Inner Peace	1. Housing
2. Government	2. God	2. Outpatient Treatment
3. Medical Services	3. Medical Services	3. Medical Services
4. Outpatient Treatment	4. AA	4. Job
5. Job	5. Housing	5. Trusting People
6. Community	6. Spirituality	6. AA
7. Trusting People	7. Outpatient Treatment	7. Inner Peace
8. Inner Peace	8. Community	8. Community
9. God	9. Government	9. Government
10. Spirituality	10. Trusting People	10. Spirituality
11. AA	11. Job	11. God

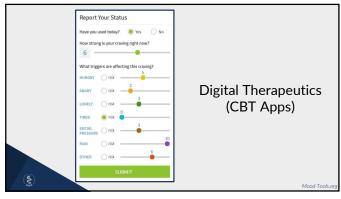
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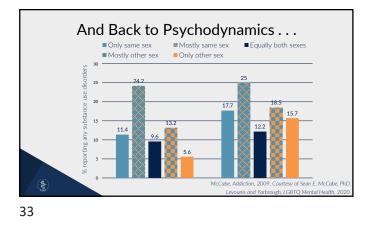




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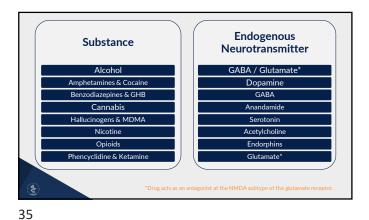




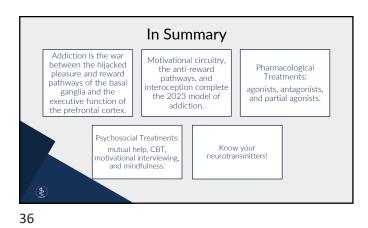
















At her 10th college reunion, Anna bumps into Marie, her old roommate from their junior year abroad. "Anna!" Marie exclaims. "Do you remember sipping wine and snacking on brie and crackers at the café by the Seine? And that waiter? Jacques... Mon Dieu." Anna has been sober for several years but suddenly feels an intense craving for alcohol. What part of Anna's brain, most likely, got activated by Jacques, the hot waiter, just now?

- A. Medial Orbito-Frontal Cortex (OFC)
- B. Lateral Orbito-Frontal Cortex (OFC)
- C. Hippocampus and Extended Amygdala

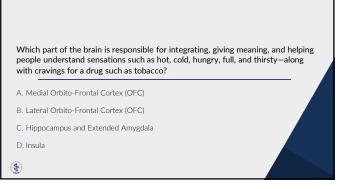
D. Insula

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Robert has been addicted to Candy Crush Saga since high school. He must also study for the ABPM boards on Friday. It's now 10 pm on Thursday evening, and he hasn't started looking at the lectures. "Hmmm...," he thinks to himself. "If I get some Swedish fish to grab some candies, I can reach Lollipop Meadow by midnight, which will give me such a sense of accomplishment that I will have a clear head tomorrow to tackle any question. Perfect plan, to Lollipop Meadow it is!" What part of Robert's brain was activated by Lollipop Meadow? A. Medial Orbito-Frontal Cortex (OFC)

- B. Lateral Orbito-Frontal Cortex (OFC)
- C. Hippocampus and Extended Amygdala
- D. Insula
- -
- \$





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