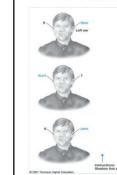


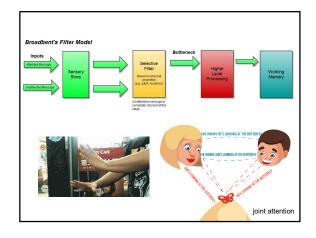
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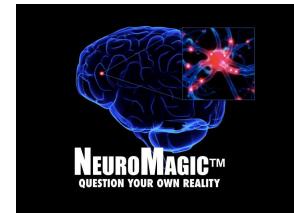
- 1. Attention
- 2. Working memory
- 3. Learning and memory
- 4. Mental time travel
- 5. Memory (re) consolidation
- 6. Decision-making
- 7. Reward and motivation
- 8. Language processing
- 9. Executive function

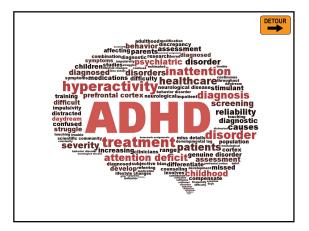


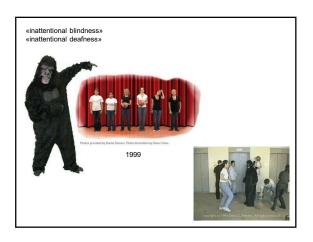
- COCKTAIL PARTY EFFECT
 - Introduced by Cherry (1953), this theory focuses on the individual's ability to attend to a single talker among a mixture of conversations and background noises, ignoring other conversations. The experiment was conducted on dichotic listening task. •
 - task. The subjects were asked to listen to two different messages from a single loudspeaker at the same time and try to separate them; and only repeat one message and not the other, known as <u>shadowing</u> task.
 - task. His work revealed that the ability to separate sounds from background noise is based on the characteristics of the sound, such as gender of the speaker, direction from which the sound is coming, the pitch or the speaking speed. When the messages were similar in characteristics, subjects were unable to complete the task successfully. .

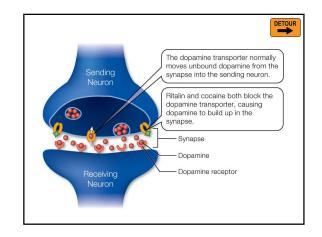


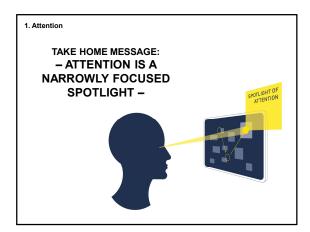




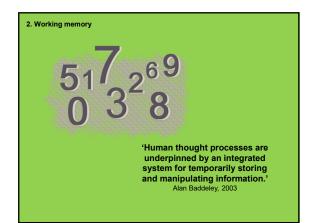


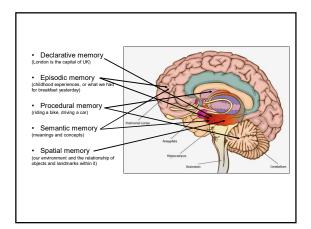


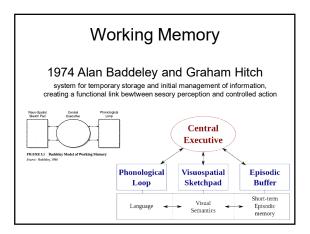


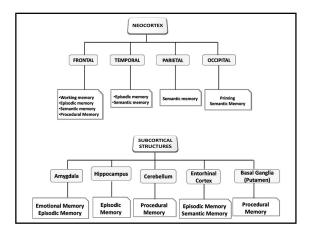


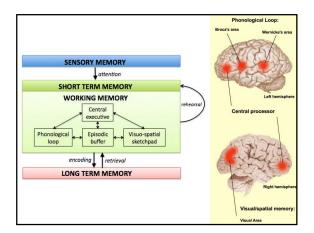


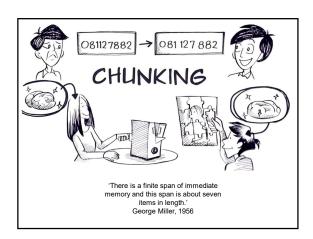




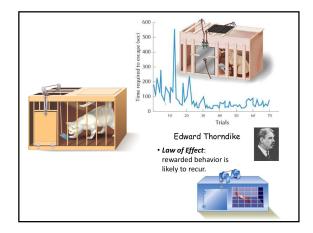


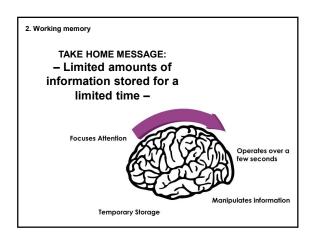


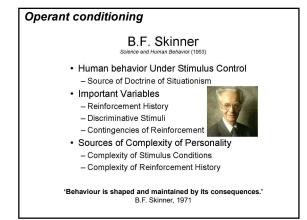


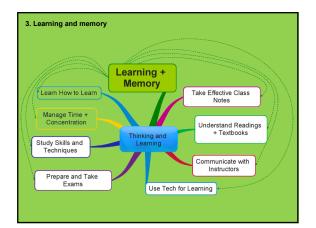


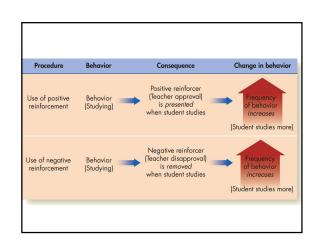


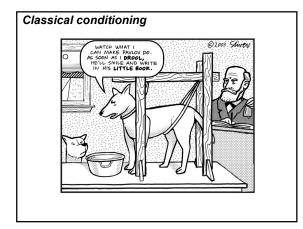








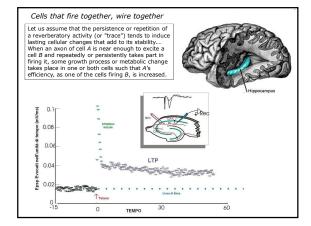








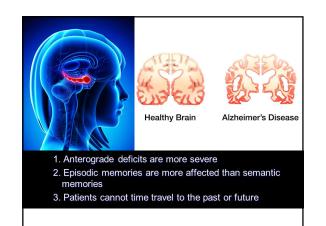


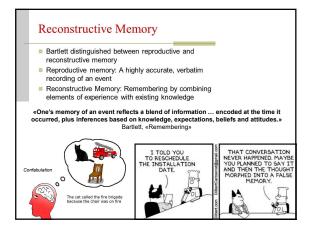






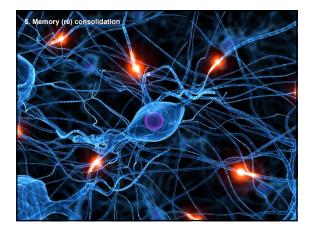
'You don't need mental time travel to remember a chemical formula ... But you can't remember events from your past, or anticipate your future, without it.' Endel Tulving, 2003

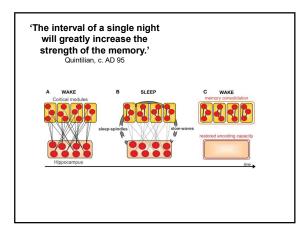


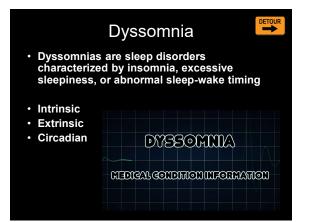


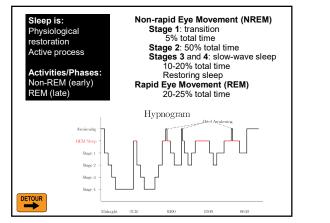


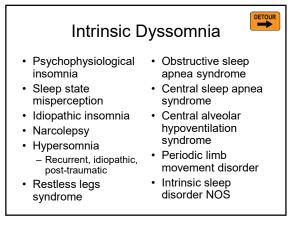






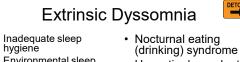








- Healthy persons: NREM1, then NREM 2, 3, 4, 3, 2, and then REM
- Cycles repeat every 90-120 minuti
- Entire cycle repeated 3-4/notte
- NREM 3 e 4: more prominent during the first half of the night, then decreases
- REM: the opposite



- Environmental sleep
- disorder Altitude insomnia
- Adjustment sleep
- disorder Insufficient sleep
- syndrome Limit-setting sleep
- disorder
- Sleep-onset association disorder
 - Food allergy insomnia

- Hypnotic-dependent sleep disorder
- Stimulant-dependent sleep disorder
- Alcohol-dependent sleep disorder
- Toxin-induced sleep disorder
- Extrinsic sleep disorder NOS

Circadian Dyssomnia

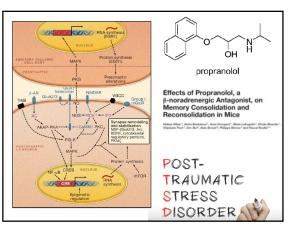


- Time zone change (jet lag) syndrome
- Shift work sleep disorder
- Irregular sleep-wake pattern
- · Delayed sleep phase syndrome
- Advanced sleep phase syndrome
- Non-24-hour sleep-wake disorder
- · Circadian rhythm sleep disorder NOS
- Shifts with age (adolescent or elderly)

Parasomnias NOS

- Sleep bruxism (tooth grinding)
- Sleep enuresis (bed-wetting)
- Sleep-related abnormal swallowing syndrome
- Nocturnal paroxysmal dystomia
- Sudden unexplained nocturnal death syndrome
- Primary snoring
- Infant sleep apnea
- Congenital central hypoventilation syndrome
- Sudden infant death syndrome
- Benign neonatal sleep myoclonus
- Other parasomnia NOS



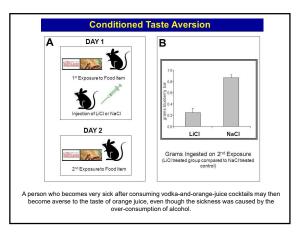


Arousal disorders:

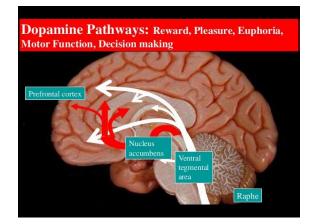
- Confusional arousals
- Sleepwalking
- Sleep terrors
- Sleep-wake
 - transition disorders: - Rhythmic movement
 - disorder – Sleep starts

 - Sleep talking
 - Nocturnal leg
 - cramps

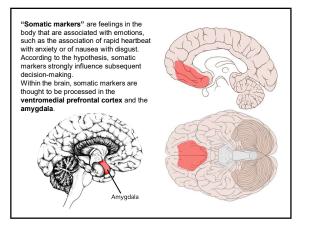
- Parasomnias usually associated with REM sleep:
 - Nightmares
 - Sleep paralysis
 - Impaired sleep-
 - related penile erections
 - Sleep-related painful erections
 - REM sleep-related sinus arrest REM sleep behavior



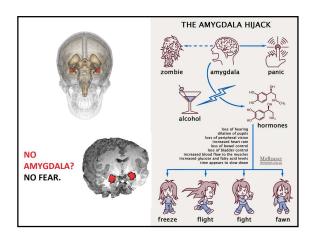


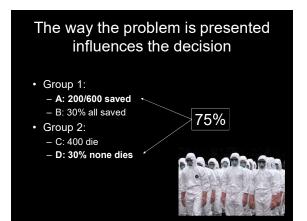




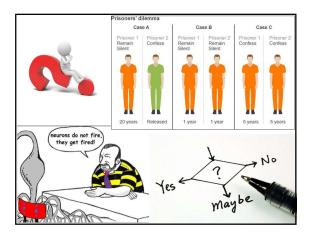




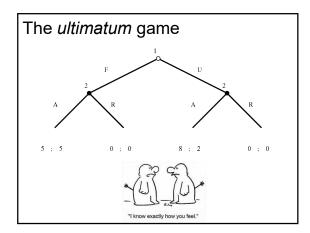


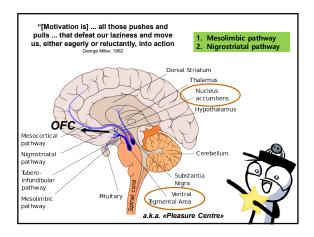


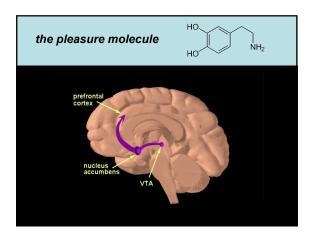


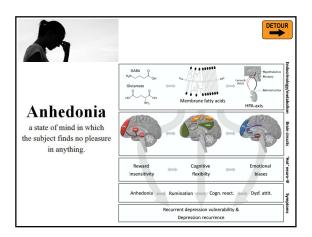


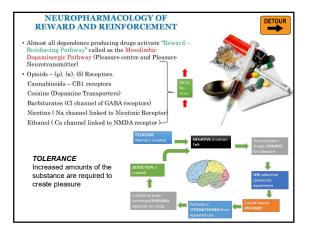


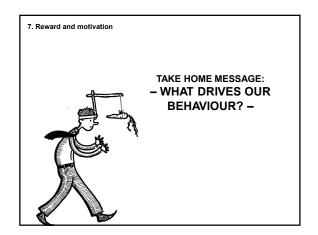


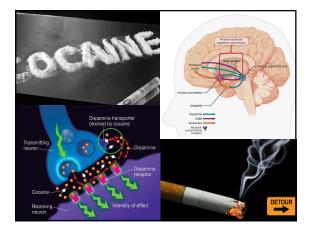


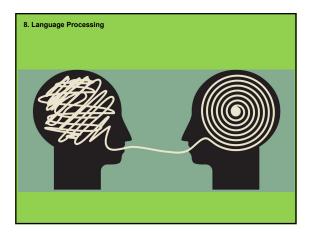


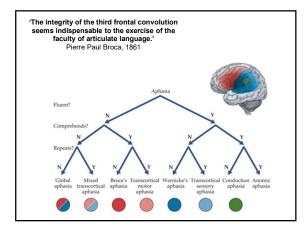


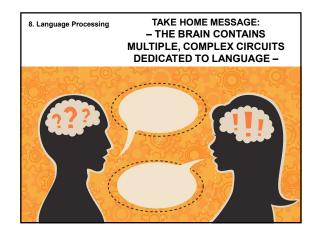


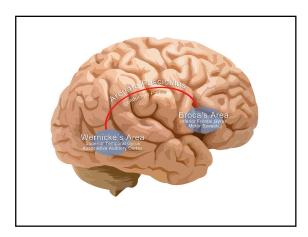






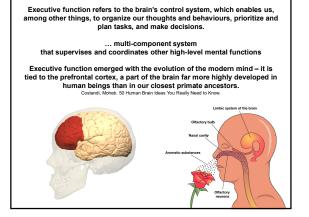


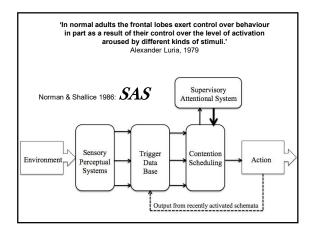














PURPLE YELLOW RED BLACK RED GREEN RED YELLOW ORANGE BLUE PURPLE BLACK RED GREEN ORANGE			
	giallo nero viola arancione blu verde	verde rosso	verde rosso nero

