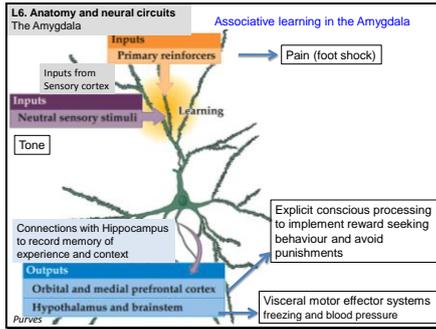
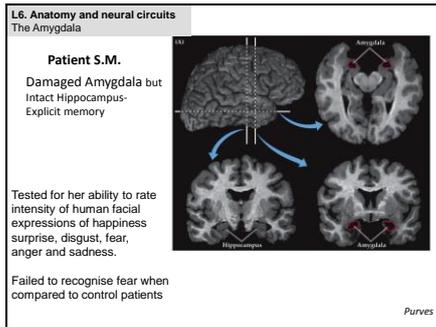


Slide 15



Neutral sensory stimuli- the sound
 Primary reinforcer- the shock
 Output to pre frontal cortex teaches rat to avoid.
 Did another experiment: divided cage into two. One half where sound/pain. Other has nothing. Rat goes to the nothing side. This is explicit conscious processing

Slide 16



Patient can't experience fear due to damaged amygdala. Has a rare genetic condition caused by calcium deposits in the brain. Initially in the amygdala. Could recognize some facial expressions but not others. Her hippocampus was intact and she could remember still though. Not damaged on the left side.

Slide 17

L6. Anatomy and neural circuits
The Amygdala

Distinctive roles of AMYGDALA and HIPPOCAMPUS

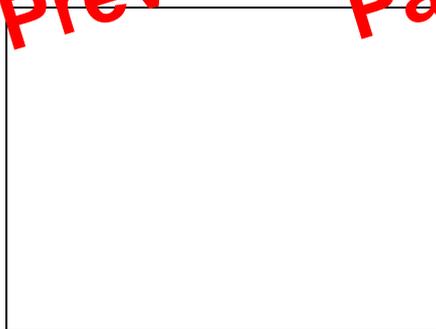
3 individuals with selective damage to different brain regions were shown different colored slides and some colors were followed by a loud startling noise (autonomic responses measured) Also looked at blood pressure to see if there was a learned fear of colors

LESION	CONSCIOUS MEMORY OF COLORS	LEARNED FEAR OF COLORS
NONE	YES	YES
AMYGDALA	YES	NO
HIPPOCAMPUS	NO	YES
BOTH	NO	NO

Emotions are responsible for driving motivational behaviours

Preview from Notesale.co.uk
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Slide 18



How rewarding is signalled by the reward pathway/zone. Activates in a VTA area which sends axons to the nucleus accumbens.

Reward circuit is important for signalling

Slide 19

