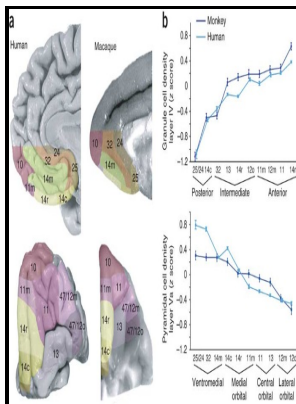


Frontal granular cortex and behavior - a symposium

- - Psychopathology of Frontal Lobe Syndromes



Description: -

- Pennsylvania State University.

Cerebral cortex. frontal granular cortex and behavior - a symposium

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The Frontal Granular Cortex and Behavior.

The pallido-thalamic projections terminate in the magnocellular part of the medial—dorsal MD thalami, which in turn project to the orbital and ventral—medial PFC. These data also suggest a functional continuum along the rostral-caudal axis of the medial regions of the frontal lobes from cognitive and emotional functions to motor functions devoted to self-initiation of action and thought.

Psychopathology of Frontal Lobe Syndromes

We developed a biologically informed neural network model of this system to investigate the separable and complementary roles of these areas as the main components of a flexible expectancy system.

The Frontal Granular Cortex and Behavior.

Do all the PFC—basal ganglia circuits contribute to apathy but through different mechanisms? By default, we use a value of 0 to reflect negative feedback., Arch Neurol Psychiatry 1935;33:558-9 3. The very specific general architecture of the basal ganglia combining the relative spatial segregation into parallel anatomical and parallel circuits and the relative progressive concentration of fibers throughout the basal ganglia may favor the extraction of the relevant signal from background noise by selecting parallel loops and amplifying i.

The frontal granular cortex and behavior. (1964 edition)

Patients tend to remain quietly in the same place or position all day long, without speaking or taking any spontaneous initiative.

One approach to understanding the function of the frontal pole

Specific cognitive tasks, such as the Wisconsin Card Sorting task rule-finding, maintenance and set-shifting, the Tower of London task planning or the literal fluency task self-activation of cognitive strategies, can be used to detect this cognitive inertia. Some authors have distinguished between lesions of the lateral frontal cortex, most closely linked to the motor structures of the brain, which lead to disturbances of movement and action with perseveration and inertia, and lesions of the orbital and medial areas.

Psychopathology of Frontal Lobe Syndromes

Therefore, apathy occurs when the systems that generate and control voluntary actions are altered.

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