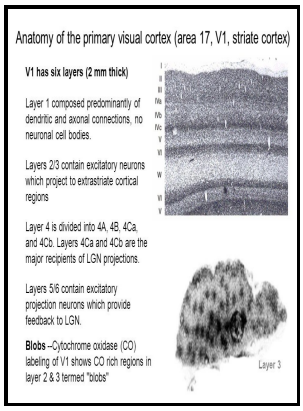
Re-evaluation of the functional cytoarchitecture of the primary visual cortex (area 17) ofthe cat

University of Birmingham - Cyto



Description: -
-re-evaluation of the functional cytoarchitecture of the primary visual cortex (area 17) ofthe cat
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The Visual Cortex

It is possible that different cortical areas may have different properties of these factors, and thus behave differently in the CP. This is important since the myelination of juvenile ferret cortex is not complete until the end of the second postnatal month ; thus, the commonly used myelin stain to distinguish cortical areas in the adult is not a suitable anatomical marker of visual cortical areas in early postnatal development.

Primary Visual Cortex Within the Cortico

It receives connectionsfrom layers 4B and 6 in V1, and from thick stripes in V2. Neuronal organization in area 17 of cat visual cortex. Some thoughts on cortical minicolumns.

Anatomical Substrates for Functional Columns in Macaque Monkey Primary Visual Cortex

In both area 17 and area 21a , most of the neurons showed lower responsiveness to stimulation of the deprived eye below the diagonal line , illustrating strong ODI shifts toward non-deprived eye dominance. Once the desired intensity was achieved, the reaction was terminated by rinsing the slides in warm water for 10 min to remove the gelatin coat and the outer silver deposit. H,P The time course of the global signals in area 17 and area 21a for the two eyes.

Anatomical Substrates for Functional Columns in Macaque Monkey Primary Visual Cortex

In CO-stained material, it can be distinguished from adjoining areas mainly in the supragranular layers. This chapter presents an architectonical analysis of the regional and laminar organization of the human visual cortex, which provides further evidence for the cytoarchitectonical and myeloarchitectonical heterogeneity among different visual areas in the human brain. Information from the retina is relayed by the lateral geniculate nucleus LGN and conveyed to the primary visual cortex and extrastriate visual areas in serial order.

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