Title of work: Anterograde tracing - method for detecting conversion neuronal pathways in CNS focal lesion
Objective: Create a suitable methodology for dyeing commissural fibers and its future use it to evaluate the plasticity of nerve tissue and confirmed using the anterograde tracer detecting fibers from the application site of the tracer in the contralateral projection area.
Method: The experiment was carried out on adult individuals of the rat, which it was applied anterograde tracer BDA. Then we watched the ability of the tracer color commissural nerve fibers and fibers on the behavior of the application site in sensorimotor cortex.
Results show that Biotinylated dextran amine is capable as anterograde tracer color neurons and fibers in the puncture cannula. However, our experiment It proves that BDA is suitable for marking commissural connections from the application site contralateral.
Key words: focal cerebral ischemia, anterograde tracing, BDA, white matter, plasticity nervous tissue