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(57) Abstract :

ASSESSMENT OF BEHAVIORAL ACTIVITIES IN EXPERIMENTAL ANIMALS IN ELEVATED PLUS MAZE ANIMAL MODULE WITH VISION BASED EDGE DEVICE The present invention focuses to explore the various areas of sciences such as neurophysiology, neuropathology, neurodegenerative disorders, psychological disorders. EPM apparatus is used worldwide to check the anxiety, memory, locomotion, behavior, post-traumatic stress disorder (PTSD), traumatic brain injury (TBI). Incorporation of sensors with display in elevated plus maze apparatus helps in calculating the number of entries and rotation time of animal in specific platform. Moreover, this invention will to overcome the maximal usage of time with respect to advanced version of elevated plus maze equipped with vision-based edge device.

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