



Light microscopic analysis of synaptic input to neurons in the rat major pelvic ganglion [keast-0031

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ABSTRACT

This collection describes the procedures required to visualise and characterize synaptic boutons associated with functionally classified pelvic ganglion autonomic neurons of adult male and female Sprague-Dawley rats. This collection includes protocols for:

STAGE 1: Surgery to micro-inject fluorescent retrograde tracer dyes into one or more sites within the lower urinary tract

STAGE 2: Intracardiac perfusion with fixative to preserve neural tissues of interest

STAGE 3: Immunohistochemical labeling of thick cryosections of pelvic ganglia

STAGE 4: Confocal microscopy and image analysis of synaptic boutons associated with ganglion neurons.

Files





Use of tracer dyes to label neural projections to lower urinary tract organs by Janet Keast,

University of Melbourne





Intracardiac perfusion with fixative for anatomical studies by Janet Keast,

University of Melbourne





Immunohistochemical labeling of thick cryosections from pelvic ganglia

by Janet Keast. University of Melbourne





Confocal microscopy and characterization of synaptic boutons associated with ganglion neurons

by Janet Keast, University of Melbourne

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