Pelvic nerve implantation, testing and processing in awake rats

James B Fallon¹, Sophie Payne¹, Osborne², Janet R Keast²

¹Bionics Institute; ²University of Melbourne

SPARC
Tech. support email: info@neuinfo.org

ABSTRACT

This collection describes the procedures required to implant a pelvic nerve array and bladder catheter into male Sprague-Dawley rats as well as cystometry and electrophysiological testing in awake animals.

This collection includes protocols for:
STAGE 1: Implantation of a pelvic nerve array in rats
STAGE 2: Cystometry in awake rats
STAGE 3: Electrophysiological recording of electrically-evoked compound action potentials

DOI:
dx.doi.org/10.17504/protocols.io.bgrmjv46

Collection Citation: James B Fallon, Sophie Payne, Peregrine B Osborne, Janet R Keast 2020. Pelvic nerve implantation, testing and processing in awake rats.

protocols.io
https://dx.doi.org/10.17504/protocols.io.bgrmjv46

License: This is an open access collection distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

Created: May 22, 2020
Keywords: Peripheral nerve stimulation, Urodynamic testing

FILES

Protocol

NAME
Implantation of a pelvic nerve array in rats_original from SP

VERSION 1
CREATED BY
Sophie Payne

Protocol

NAME
Cystometry in awake rats

VERSION 1
CREATED BY
Janet R KeastUniversity of Melbourne

Protocol

NAME
Electrophysiological recording of electrically-evoked compound action potentials

VERSION 1
CREATED BY
Sophie Payne