References on the Administration of Neurotensin Using ALZET® Osmotic Pumps


Agents: Xenin; Neurotensin Vehicle: Not Stated; Route: SC; Species: Mice; Pump: 1007D; Duration: 6 days;
ALZET Comments: Controls received mp w/ saline; peptides; no stress (pg 1142); animal info (male, C57BL/6); comparison of IP injections vs. SC mp; dose-response (table 1); functionality of mp verified by residual volume


Agents: Neurotensin; PD149163 Vehicle: Saline; Route: CSF/CNS; Species: Rat; Pump: Not Stated; Duration: 7, 21 days;
ALZET Comments: Controls received mp w/ vehicle; ALZET brain infusion kit 2 used; animal info (lister hoddled, 250-300 g.); cannula placement verified by histological assessment; PD149163 is an NT1 selective analogue


Agents: Neurotensin Vehicle: Saline; Route: CSF/CNS; Species: Rat; Pump: 1003D; Duration: Not Stated;
ALZET Comments: Controls received mp w/ vehicle; dose-response (pg 351, fig. 1); comparison of SC injections vs. mp; ALZET brain infusion kit 2 used; tolerance; animal info (Wistar-Han, male, 300-350 g); “Diffusion of neurotensin into the pump was avoided by a drop of sesame oil” p. 350; “Complete surgery took about 20 min” p. 350; neurotensin is a tridecapeptide


Agents: Neurotensin Vehicle: PBS; BSA; Route: SC; Species: Mice; Pump: 2002; Duration: 5 days;
ALZET Comments: Controls received mp w/ vehicle; peptides; wound healing


Agents: Transforming growth factor-a; Brain-derived neurotrophic factor; Vasoactive intestinal polypeptide; Peptide, histidine-isoleucine; Gastrin releasing peptide; Substance P; Neuromedin-C; Neurokinin A; Neuropeptide K; Neuropeptide Y; Somatostatin; Antrin; Cholecystokinin; Thyrotropin-releasing hormone; Neurotensin; Neuromedin N; Vehicle: CSF, artificial; Route: CSF/CNS (third ventricle); Species: Hamster; Pump: 2002; Duration: 18,22 days;
ALZET Comments: Peptides


Agents: Neurotensin Vehicle: PBS; BSA; Route: SC; Species: Mice (nude); Pump: Not Stated; Duration: 22 days;
ALZET Comments: Controls received mp w/vehicle; cancer; peptides


Agents: Epidermal growth factor; neurotensin Vehicle: Saline; Route: SC; Species: Rabbit; Pump: Not Stated; Duration: 1 week;
ALZET Comments: Controls received mp w/ vehicle; replacement therapy (enterectomy); good methods p.468; peptides; post op. care (IM gentamycin; IV banamine)


Agents: Neurotensin Vehicle: Saline; Route: CSF/CNS; Species: Mice; Pump: Not Stated; Duration: 3, 7 days;
ALZET Comments: Controls received mp w/saline; peptides; loop of tubing allowed flow cessation
**Agents:** Neurotensin, (D-Trp11)-  **Vehicle:** Saline;  **Route:** CSF/CNS;  **Species:** Rat;  **Pump:** 2002;  **Duration:** 10 days;
**ALZET Comments:** controls received mp w/ saline; comparison of icv injections vs. mp; peptides; tolerance;
(D-Trp11)neurotensin is a peptidase-resistant derivative of neurotensin, allowing a longer duration of effect without inactivation

**Agents:** Neurotensin; Vasopressin, arginine; Bombesin  **Vehicle:** Saline;  **Route:** IP;  **Species:** Rat;  **Pump:** Not Stated;  **Duration:** 7,8 days;
**ALZET Comments:** controls received mp w/saline; peptides

**Agents:** Atrial natriuretic factor; cholecystokinin; Granulocyte-colony stimulating factor.; glucagon; insulin; interleukin-2; interleukin-3; melatonin; nerve growth factor; neurotensin; prolactin; theophylline  **Vehicle:** Not Stated;  **Route:** CSF/CNS; IA (femoral); intrasplenic; IP; SC;  **Species:** Not Stated;  **Pump:** Not Stated;  **Duration:** Not Stated;
**ALZET Comments:** Peptides; ALZA-authored, review of peptide delivery issues and applications; tissue perfusion (spleen)

**Agents:** Neurotensin  **Vehicle:** Not Stated;  **Route:** SC;  **Species:** Rat;  **Pump:** 2002;  **Duration:** 14 days;
**ALZET Comments:** controls received mp size plastic cylinders; injection vs. infusion; 2 doses of agent infused; functionality of mp verified (pump rates);stress/adverse reaction (local infection at site of implantation); peptides

**Agents:** Neurotensin; Substance P; Thyrotrop-rel. factor  **Vehicle:** Saline;  **Route:** CSF/CNS;  **Species:** Rat;  **Pump:** Not Stated;  **Duration:** 8 days;
**ALZET Comments:** portion of tubing connecting mp to icv cannula was externalized to allow shut off of flow; stability of agents verified; concomitant haloperidol admin.; peptides

**Agents:** Neurotensin  **Vehicle:** Saline;  **Route:** SC;  **Species:** Guinea pig;  **Pump:** Not Stated;  **Duration:** 3, 5 days;
**ALZET Comments:** Comparison of single iv injec vs. mp infusion; release rate performance of mp verified; peptides

**Agents:** Morphine; Neurotensin  **Vehicle:** Saline;  **Route:** CSF/CNS; SC;  **Species:** Rat;  **Pump:** 2001;  **Duration:** 1 week;
**ALZET Comments:** peptides