References on the Administration of Atrial Natriuretic Factor Using ALZET® Osmotic Pumps

ALZET Comments: Atrial natriuretic factor, ANP; SC; Rat; 1002; 14 days; Cardiovascular; antihypertensive; animal info (SHR, 10 weeks old); functionality of mp verified by systolic blood pressure measurement.

ALZET Comments: Atrial natriuretic factor; SC; Mice; 2004; 1 month; Animal info (8 mo old, Ren, AS-Ren); peptides.

ALZET Comments: Vessel dilator; kaliuretic peptide; atrial natriuretic factor; long-acting natriuretic peptide; Saline; SC; Mice (nude); 1007D; 28 days; Controls received mp w/ vehicle; animal info (male, athymic, nu/nu, 20 g); peptides; pumps replaced weekly; cancer (lung).

ALZET Comments: Atrial natriuretic factor, mouse; SC; Mice; 1002; 12 days; Controls received no treatment; cardiovascular; peptides; animal info (male, C57BL/6, wt, ANP -/-, 6-24 wks old, MI); ischemia (cardiac).

ALZET Comments: Atrial natriuretic factor; Saline; SC; Mice (nude); 1007D; 4 weeks; Controls received mp w/ vehicle; cancer (small cell lung); peptides; animal info (nu/nu, athymic); urodilatin is a kidney hormone; atrial natriuretic peptide, vessel dilator peptide, kaliuretic peptide, urodilation.

ALZET Comments: Atrial natriuretic factor; vessel dilator peptide; kaliuretic peptide; natriuretic peptide, long-acting; Mice (nude); 2004; 4 weeks; Cancer (pancreatic adenocarcinoma); peptides; animal info (athymic).

ALZET Comments: Atrial natriuretic factor; IP; Rat; 20 hrs; peptides.

ALZET Comments: Atrial natriuretic factor; Candoxatrilat; Saline; IV (jugular); Rat; 7,14 days; enzyme inhibitor; candoxatrilat also called UK 73,967 and neutral endopeptidase 24.11 inhibitor; peptides.

ALZET Comments: Atrial natriuretic factor; Saline; SC; Rat; 2ML4; 25 days; peptides.

ALZET Comments: Atrial natriuretic factor; IV (jugular); Rat; 2ML2; 12 days; peptides; atriopeptin III.
ALZET Comments: Atrial natriuretic factor; Saline; IV (jugular); Rat; 2001; 7 days; functionality of mp verified by measurement of residual volume; peptides.

ALZET Comments: Atrial natriuretic factor; Acetic acid; Saline; IV (jugular); Rat; 2002; 3 weeks, 1, 3, 7, 10, 14 days; functionality of mp verified by blood levels and residual volume; pump replaced at 2 weeks; stability (p. 173 - approx 50% at 1-2 wks); peptides.

ALZET Comments: Atrial natriuretic factor; cholecystokinin; Granulocyte-colony stimulating factor.; glucagon; insulin; interleukin-2; interleukin-3; melatonin; nerve growth factor; neurotensin; prolactin; theophylline; CSF/CNS; IA (femoral); intrasplenic; IP; SC; no duration posted; peptides; ALZA-authored, review of peptide delivery issues and applications; tissue perfusion (spleen).

ALZET Comments: Atrial natriuretic factor; Isoproterenol, l-; SC; Rat; 2001; 7 days; peptides.

ALZET Comments: Atrial natriuretic factor, synthetic; Saline; IV (jugular); Rat; 2002; 14 days; stability of ANF verified by measuring activity of recovered peptide; peptides.

ALZET Comments: Atrial natriuretic factor; Saline; IV (jugular); Rat; 2002; 2 weeks; stability verified by measuring activity of residual ANF; peptides.

ALZET Comments: Atrial natriuretic factor; Gelatin; Saline; IV (jugular); Rat; 2ML2; 6 days; addition of gelatin to vehicle improved agent stability; stability verified in vitro for 14 days; peptides.

ALZET Comments: Atrial natriuretic factor; Rat; 7 days; human and rat ANF used; peptides.

ALZET Comments: Atrial natriuretic factor; Saline; IV (jugular); Rat; 2001; 4 days; controls received sham-infusion; mp connected to catheter in jug. vein; peptides; functionality of mp verified by emptying of mp.

ALZET Comments: Atrial natriuretic factor; Acetic acid; Saline; IV (jugular); Rat; 2001; 7 days; controls received mp sized tubing; mp connected to catheter in jugular vein; agent infused in SHR and WKY rats; peptides.

ALZET Comments: Atrial natriuretic factor; no duration posted; Brief mention of mp being used for ANF infusion; peptides.
**ALZET Comments:** Atrial natriuretic factor; Vasopressin, arginine; Acetic acid; Saline; IP; IV (jugular); Rat; 6/3 days; controls received mp w/vehicle; mp connected to catheter in jugular; peptides; 2 pumps/animal; agents inf. simult. for 3 days; ANF pump removed after 3 days; ANF infused iv; vp infused ip; stability of ANF verified.

**ALZET Comments:** Angiotensin II; Atrial natriuretic factor; Acetic acid; Saline; IP; IV (jugular); Rat; 2001; 3-6 days; controls received mp w/ appropriate vehicle; mp conn. to catheter in jug. vein; ANG-II infused ip; agents infused sep. and simul.; stability of ANF confirmed; peptides.

**ALZET Comments:** Atrial natriuretic factor; IV (jugular); Rat; 2001; 7 days; controls rec'd mp size plastic tube; mp connected to catheter in jugular vein; hypertension; peptides.

**ALZET Comments:** Atrial natriuretic factor; Saline; IV (jugular); Rat; 2002; 13 days; controls received mp size piece of silastic tubing; mp connected to catheter in jugular vein; hypertension; stability of ANF verified upon removal of pump; peptides.

**ALZET Comments:** Atrial natriuretic factor; Acetic acid; Saline; IV (jugular); Rat; 2001; 6 days; controls received mp size silastic tubing; mp connected to catheter in jugular; hypertension; peptides.

**ALZET Comments:** Atrial natriuretic factor; IV (jugular); Rat; 2001; 7 days; mp connected to catheter in jugular vein via PE-60 tubing; hypertension; peptides.

**ALZET Comments:** Atrial natriuretic factor; IV (jugular); Rat; 2001; 48 hours; comparison of injections vs. mp infusion; mp connected to catheter in jugular vein; peptides.

**ALZET Comments:** Atrial natriuretic factor; Norepinephrine bitartrate; Saline; IP; IV (jugular); Rat; 2001; 3 days; Multiple pumps per animal (2); ANF administered iv via catheter from mp to jugular; mp implanted sc in interscapular region; NE administered orally or via ip mp to induce hypertension; peptides.

**ALZET Comments:** Atrial natriuretic factor; IV (jugular); Rat; 2001; 1 week; controls received a sham pump; synthetic ANF 101-126 was used; peptides.


**ALZET Comments:** Atrial natriuretic factor; IV (jugular); Rat; 2001; 1 week; comparison of previous injection study vs. current mp infusion; sham pump used as control; peptides.


**ALZET Comments:** Atrial natriuretic factor; Saline; IV (jugular); Rat; 2001; 1 week; synthetic ANF used; hypertension; controls were normotensive rats treated with ANF; peptides.