Confinia Cephalalgica

Divergent acute release of CGRP and PACAP from mouse spinal cord tissue: implications for migraine neurobiology

Luigi Francesco Iannone,[1] Paolo Santicioli,[2] Pierangelo Geppetti,[3] Fabio Tascedda[2]

[1]Department of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia, Modena, Italy; [2]Department of Life Sciences, University of Modena and Reggio Emilia, Modena, Italy; [3]Department of Molecular Pathophysiology, New York University, USA

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SUPPLEMENTARY MATERIAL

Supplementary Table 1. Comparisons of individual stimulation and post-stimulation fractions with mean baseline.

	Stimulus	**Comparison**	**Mean paired difference (pg/mg)**	**95% CI**	**Raw p**	**Holm-adjusted p**
CGRP	Capsaicin	S1 *vs.* baseline	44.555	33.056 to 56.054	<0.001	<0.001
	Capsaicin	S2 *vs.* baseline	45.243	34.090 to 56.396	<0.001	<0.001
	Capsaicin	Post *vs.* baseline	15.481	7.730 to 23.232	0.003	0.003
	Elevated potassium	S1 *vs.* baseline	43.799	32.248 to 55.350	<0.001	<0.001
	Elevated potassium	S2 *vs.* baseline	50.582	40.169 to 60.994	<0.001	<0.001
	Elevated potassium	Post *vs.* baseline	16.228	9.227 to 23.229	0.001	0.001
PACAP	Capsaicin	S1 *vs.* baseline	−0.258	−0.466 to -0.050	0.024	0.072
	Capsaicin	S2 *vs.* baseline	0.002	−0.495 to 0.499	0.993	0.993
	Capsaicin	Post *vs.* baseline	−0.264	−0.520 to -0.007	0.045	0.091
	Elevated potassium	S1 *vs.* baseline	0.070	−0.140 to 0.279	0.431	1.00
	Elevated potassium	S2 *vs.* baseline	−0.051	−0.298 to 0.196	0.620	1.00
	Elevated potassium	Post *vs.* baseline	−0.127	−0.480 to 0.225	0.396	1.00

Mean baseline was calculated as the mean of B1 and B2. S1, S2, and Post were compared separately with mean baseline using two-sided paired *t*-tests. Holm correction was applied separately to the three comparisons within each peptide-stimulus condition. The 95% CIs were not adjusted for multiplicity. CGRP, calcitonin gene-related peptide; PACAP, pituitary adenylate cyclase-activating polypeptide; CI, confidence interval..

Supplementary Table 2. Overall changes across the five sequential superfusate fractions.

	Stimulus	Greenhouse-Geisser F	Adjusted numerator df	Adjusted denominator df	Greenhouse-Geisser p	Friedman χ^2	df	Friedman p
CGRP	Capsaicin	79.788	1.732	8.659	<0.001	22.133	4	<0.001
CGRP	Elevated potassium	64.227	2.002	10.012	<0.001	21.600	4	<0.001
PACAP	Capsaicin	2.186	2.227	11.133	0.155	9.200	4	0.056
PACAP	Elevated potassium	1.971	2.206	11.029	0.184	3.866	4	0.425

Overall changes across B1, B2, S1, S2, and Post were evaluated separately for each peptide-stimulus condition using one-factor repeated-measures analysis of variance with Greenhouse-Geisser correction. The omnibus p-values were exploratory and were not adjusted across the four conditions. CGRP, calcitonin gene-related peptide; PACAP, pituitary adenylate cyclase-activating polypeptide.