

**Levodopa effect on norepinephrine and dopamine brain levels after portocaval shunt in rats**

A. Alsasua, J. Arias<sup>1</sup>, E. Estebanez, M.L. Lopez-Sanchez, J.I. Arias, M. Duran, P.D. Garcia de Jalon and H. Duran Sacristan<sup>2</sup>

*Department of Pharmacology and Department of Surgery, Faculty of Medicine, Complutense University, Madrid (Spain), 27 April 1981*

Table 1. NE levels in control and PCS rats (7 days of postoperative) and after levodopa + LPDI administration

NE levels (ng/mg)	Dopaminergic system		Noradrenergic system	
	Olfactory	Striatum	Amygdala	Hypothalamus
Control rats	0.60 ± 0.07 (18)	0.40 ± 0.11 (16)	0.47 ± 0.07 (18)	2.20 ± 0.29 (17)
Control rats + levodopa + LPDI	1.08 ± 0.09 (13)**	0.96 ± 0.11 (13)**	0.81 ± 0.13 (12)**	2.47 ± 0.14 (13)
PCS	0.45 ± 0.11 (16)	0.38 ± 0.03 (17)	0.36 ± 0.08 (17)*	1.20 ± 0.18 (18)**
PCS + levodopa + LPDI	1.19 ± 0.13 (12)**	0.94 ± 0.07 (15)**	0.80 ± 0.087 (15)**	2.39 ± 0.14 (14)

Number of experiments in parenthesis. Statistically significant values compared to control group: \* p < 0.05; \*\* p < 0.001.