



Article

The endocannabinoid system of the nervous and gastrointestinal systems changes after a subnoxiuous cisplatin dose in male rats.

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Table S1. Supplementary data. Gene expression of genes related to the endocannabinoid system one week after treatment with saline (n=3-6) or a single dose of cisplatin (i.p., 5 mg/kg; n=2-6) in gastrointestinal tissue (antrum, fundus, ileum and distal colon). The mean percentage of the saline-treated group ($2^{-\Delta\Delta CT}$) for saline is expressed as Mean $\pm$ SEM of saline- vs cisplatin-treated animals. T-test: * significant difference.

Genes	<i>cnr1</i>	<i>cnr2</i>	<i>faah</i>	<i>mgll</i>	<i>ppara</i>
Antrum	100.00 $\pm$ 45.75 vs 102.71 $\pm$ 16.39	100.00 $\pm$ 57.49 vs 79.66 $\pm$ 27.09	100.00 $\pm$ 32.38 vs 161.05 $\pm$ 40.86	100.00 $\pm$ 10.84 vs 65.70 $\pm$ 7.05 *	100.00 $\pm$ 7.02 vs 98.32 $\pm$ 11.67
Fundus	100.00 $\pm$ 71.25 vs 47.35 $\pm$ 3.70	100.00 $\pm$ 26.01 vs 81.22 $\pm$ 30.19		100.00 $\pm$ 18.17 vs 101.57 $\pm$ 22.28	
Ileum	100.00 $\pm$ 87.28 vs 57.07 $\pm$ 17.16	100.00 $\pm$ 22.26 vs 65.99 $\pm$ 18.64			
Distal colon	100.00 $\pm$ 28.26 vs 136.66 $\pm$ 30.59	100.00 $\pm$ 19.48 vs 109.06 $\pm$ 15.26	100.00 $\pm$ 15.68 vs 104.40 $\pm$ 13.10	100.00 $\pm$ 20.61 vs 149.57 $\pm$ 49.61	

Correspondences: *cnr1* corresponds to CB1 receptor; *cnr2* corresponds to CB2 receptor; *faah* corresponds to fatty acid amide hydrolase (FAAH); *mgll* corresponds to monoacylglycerol lipase (MAGL); *ppara* corresponds to peroxisome proliferator-activated receptor type α (PPAR α)

Table S2. Supplementary data. Gene expression of genes related to the endocannabinoid system one week after treatment with saline (n=4-6) or a single dose of cisplatin (i.p., 5 mg/kg; n=3-6) in nervous tissue (Dorsal root ganglia L4 and L5, Prefrontal cortex, Periaqueductal grey and Amygdala). The mean percentage of the saline-treated group ($2^{-\Delta CT}$) for saline is expressed as Mean $\pm$ SEM of saline- vs cisplatin-treated animals. T-test: * significant difference.

Genes	<i>cnr1</i>	<i>cnr2</i>	<i>faah</i>	<i>mgll</i>	<i>ppara</i>
Dorsal root ganglion	100.00 $\pm$ 6.93 vs	100.00 $\pm$ 12.20 vs	100.00 $\pm$ 4.39 vs	100.00 $\pm$ 6.33 vs	100.00 $\pm$ 6.97 vs
L4	127.06 $\pm$ 8.83 *	93.85 $\pm$ 10.64	100.03 $\pm$ 7.54	93.47 $\pm$ 8.02	92.29 $\pm$ 9.57
Dorsal root ganglion	100.00 $\pm$ 8.99 vs	100.00 $\pm$ 15.59 vs	100.00 $\pm$ 6.74 vs	100.00 $\pm$ 5.40 vs	100.00 $\pm$ 3.54 vs
L5	127.08 $\pm$ 11.72	78.02 $\pm$ 7.65	102.73 $\pm$ 6.16	99.60 $\pm$ 3.99	95.83 $\pm$ 5.50
Prefrontal cortex	100.00 $\pm$ 3.05 vs	100.00 $\pm$ 7.22 vs	100.00 $\pm$ 6.66 vs	100.00 $\pm$ 3.41 vs	100.00 $\pm$ 6.98 vs
	96.19 $\pm$ 5.69	152.19 $\pm$ 8.37 *	109.77 $\pm$ 8.22	113.35 $\pm$ 3.61 *	135.28 $\pm$ 6.85 *
Periaqueductal grey	100.00 $\pm$ 6.61 vs	100.00 $\pm$ 7.39 vs	100.00 $\pm$ 3.18 vs	100.00 $\pm$ 4.77 vs	100.00 $\pm$ 6.99 vs
	87.31 $\pm$ 8.07	107.08 $\pm$ 8.58	107.27 $\pm$ 5.60	92.96 $\pm$ 7.80	81.58 $\pm$ 7.00
Amygdala	100.00 $\pm$ 2.87 vs	100.00 $\pm$ 13.20 vs	100.00 $\pm$ 4.58 vs	100.00 $\pm$ 3.51 vs	100.00 $\pm$ 11.14 vs
	87.37 $\pm$ 4.27 *	86.88 $\pm$ 4.05	102.77 $\pm$ 3.54	75.34 $\pm$ 6.01 *	81.72 $\pm$ 6.28

Correspondences: *cnr1* corresponds to CB₁ receptor; *cnr2* corresponds to CB₂ receptor; *faah* corresponds to fatty acid amide hydrolase (FAAH); *mgll* corresponds to monoacylglycerol lipase (MAGL); *ppara* corresponds to peroxisome proliferator-activated receptor type α (PPAR α)