

Time (min)	Time course of signal reduction after BP-EG3		Time course of signal reduction after BP-IELLQAR	
	Contralateral cortex	Traumatized cortex	Contralateral cortex	Traumatized cortex
10	-30.3 ± 3.5 **	-25.8 ± 3.9 **	-34.2 ± 8.3 **	-30.1 ± 4.2 **
20	-23.3 ± 4.7 *	-16.7 ± 6.2 *	-30.1 ± 10.1 **	-32.4 ± 7.6 **
30	-17.4 ± 4.6 *	-18.3 ± 8.0 *	-13.1 ± 5.6 *	-29.7 ± 5.3 **
40	- 7.7 ± 4.8	-15.4 ± 8.8 *	- 3.8 ± 4.0	-23.4 ± 5.3 **
50	5.9 ± 3.0	- 3.1 ± 6.0	- 5.2 ± 3.5	-17.0 ± 6.4*
70	- 7.2 ± 2.8	- 5.9 ± 6.6	6.7 ± 2.5	-19.9 ± 3.6*

Table 1 : Variation of the T2* of traumatized and contralateral non-traumatized rat cortex after injection of targeted (BP-IELLQAR) or Non-targeted (BP-EG3) contrast agents expressed as the percentage of T2* value prior any injection

* P < 0.05 and ** P < 0.01 compared to initial T2* value of the considered tissue