

Supplementary Online Content

Decety J, Skelly LR, Kiehl, KA. Brain response to empathy-eliciting scenarios involving pain in incarcerated individuals with psychopathy. *JAMA Psychiatry*. Published online April 24, 2013. doi:10.1001/jamapsychiatry.2013.27.

eTable. Groupwise results and factor subscore correlations

eFigure.

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Groupwise results and factor subscore correlations (MNI coordinates).

Pain Interactions Task

ARegion of interest	x	y	z	peak T	Factor 1	Peak T	Factor 2	Peak T				
<i>Controls > Psychopaths</i>												
R ventromedial prefrontal cortex	2	16	-28	3.45	4	16	-26	2.62	4	16	-26	2.40
R lateral orbitofrontal cortex	26	70	-12	2.69				<i>n.s.</i>				<i>n.s.</i>
L periaqueductal gray	-6	-30	-12	2.56	-6	-30	-14	2.60	-6	-30	-12	2.90
<i>Psychopaths > Controls</i>												
R inferior frontal gyrus	56	10	6	3.37	56	10	6	3.46	54	16	16	2.40
L inferior frontal gyrus	-50	14	14	2.46	-54	18	14	2.84				<i>n.s.</i>
R dorsomedial prefrontal cortex	6	58	16	2.60				<i>n.s.</i>				<i>n.s.</i>
R dorsal anterior cingulate gyrus	4	50	16	2.41	6	38	20	2.84				<i>n.s.</i>
L dorsal anterior cingulate gyrus	-8	38	26	2.21	-6	32	32	2.72				<i>n.s.</i>
R anterior midcingulate cortex	2	16	28	3.13	6	8	26	2.49				<i>n.s.</i>
R supplementary motor area	8	18	54	2.46	12	8	58	2.43				<i>n.s.</i>
R anterior insula	36	16	-8	3.65	34	16	-6	3.31	36	16	-6	3.36
L anterior insula	36	16	-8	2.52				<i>n.s.</i>				<i>n.s.</i>
R Post. superior temporal sulcus	60	-46	18	3.65	60	-44	14	3.40	58	-46	22	2.82
L supramarginal gyrus	-54	-42	28	2.85	-54	-40	26	2.96	60	-38	44	2.71
L dorsal striatum (globus pallidus)	-14	8	2	2.98	-12	8	4	3.49				<i>n.s.</i>
R dorsal striatum (globus pallidus)	14	4	-2	2.56	16	2	0	3.67				<i>n.s.</i>

Pain Expressions Task

Region of interest	x	y	z	peak T	Factor 1	Peak T	Factor 2	Peak T				
<i>Controls > Psychopaths</i>												
R inferior frontal gyrus	50	5	15	4.32	52	5	15	3.61	50	5	15	3.94
L inferior frontal gyrus	-38	5	25	3.69	-38	5	25	3.41	-35	7	25	3.40
R ventromedial prefrontal cortex	8	30	-10	3.25				<i>n.s.</i>				<i>n.s.</i>
R lateral orbitofrontal cortex	30	55	-10	3.51	30	55	-10	3.05				<i>n.s.</i>
R dorsomedial prefrontal cortex	8	58	35	2.39				<i>n.s.</i>				<i>n.s.</i>
L dorsomedial prefrontal cortex	-10	40	45	2.61	-8	42	40	2.41	-7	37	42	3.26
L dorsal anterior cingulate gyrus	-2	35	5	2.38				<i>n.s.</i>	5	32	15	2.59
L middle cingulate cortex	-18	8	42	4.26	-18	8	45	3.96	-15	7	42	4.06
R post. superior temporal sulcus	42	-40	2	3.05				<i>n.s.</i>	50	-65	12	3.37
L post. superior temporal sulcus	-52	-72	20	3.02	-50	-42	-2	2.77				<i>n.s.</i>
R supramarginal gyrus	68	-25	38	3.05				<i>n.s.</i>	55	-45	27	2.69
R inferior parietal lobule	52	-65	28	3.60	52	-65	28	3.27				<i>n.s.</i>
L inferior parietal lobule	-50	-77	32	2.54	-47	-72	42	2.33	-47	-75	35	2.37
R dorsal striatum (globus pallidus)	15	8	-2	2.43				<i>n.s.</i>	15	7	5	2.48
R dorsal striatum (putamen)	28	12	12	3.24				<i>n.s.</i>	27	15	12	3.04
<i>Psychopaths > Controls</i>												
R anterior insula	28	28	0	3.25	28	32	-2	3.04				<i>n.s.</i>
L anterior insula	-32	30	0	2.83	-32	28	0	3.26	-32	30	0	2.59

eFigure.

