

Supplementary table: Analyses on diurnal cortisol rhythm and stress reactivity in children with and without functional constipation and abdominal pain by using a linear term and a quadratic term (N=483).

	Abdominal pain	Functional constipation	Abdominal pain index
	OR	OR	β
	(95%CI)	(95%CI)	(95%CI)
Delta stress*			
Linear term	1.04	0.99	-0.005
	(0.98 – 1.10)	(0.93 – 1.05)	(0.63 – 1.56)
Quadratic term	1.00	0.99	0.00
	(0.99 – 1.00)	(0.99 – 1.00)	(-0.002 – 0.002)
CAR			
Linear term	0.98	0.99	0.001
	(0.91 – 1.05)	(0.93 – 1.06)	(0.93 – 1.08)
Quadratic term	1.00	1.00	0.00
	(0.99 – 1.01)	(0.98 – 1.01)	(-0.07 – 0.07)
Slope			
Linear term	1.40	1.15	0.077
	(0.82 – 2.40)	(0.60 – 2.00)	(0.65 – 1.79)
Quadratic term	0.98	0.61	-0.013
	(0.63 – 1.52)	(0.22 – 1.66)	(-0.17 – 0.14)
AUC			
Linear term	1.02	1.18	0.008
	(0.63 – 1.65)	(0.64 – 2.17)	(0.71 – 1.44)
Quadratic term	1.04	1.22	-0.19
	(0.54 – 1.99)	(0.37 – 4.05)	(0.60 – 1.63)

OR: odds ratio per unit of the cortisol measure (ie. deltastress, CAR, slope or AUC); 95%CI: 95% Confidence interval; * Adjusted for baseline cortisol levels. β:

Regression coefficient indicating the mean difference in abdominal pain score per unit of the cortisol measure.