Electronic Supporting Material – Veena et al.

ESM Table 1. Description of the cognitive tests used in the study

Tests from KABC[a]-II

Name of the test	Description	Cognitive abilities
Atlantis	The child is taught nonsense names for fish, plants and shells and is asked to point to the named object among an array of pictures	Learning ability/long-term storage and retrieval, associative memory
Word order	The child points to a series of silhouettes of common objects in the same order as mentioned by the examiner; an interference task (color naming) is added between the stimulus and the response for the more difficult items	Memory span, short term memory, working memory
Pattern Reasoning	The child completes a pattern by selecting the correct image from a set of 4 to 6 options shown; most stimuli are abstract, geometric shapes and the difficulty of the task increases as the test progresses.	Reasoning abilities such as induction and deduction and fluid reasoning
Additional tests		
Verbal fluency a) Animals b) First names	The child is asked to name as many animals as possible in 1 minute and then asked to name as many first names as possible in 1 minute.	Broad retrieval ability; speed and flexibility of verbal thought process; neuropsychological test of language production
Kohs block Design	A psychometric test in which the child arranges groups of 4, 9, or 16 multi-colored blocks to copy picture designs presented on test cards.	Visuo-spatial problem solving, visual perception and organization
Coding-WISC[b]-III	The child has to substitute specific symbols for numbers presented in boxes, and complete as many items as possible in 2 minutes.	Visual-motor processing speed and coordination, short term memory, visual perception, visual scanning, cognitive flexibility, attention

[a] Kaufman assessment battery for children-2nd edition
[b] Wechsler Intelligence Scale for Children-3rd edition

Type of file: table

Label: table 2

Filename: 37946 ESM Table 2.doc

Electronic Supporting Material – Veena et al.

ESM Table 2. Covariates/confounders among ODMs and controls in matched pairs. Values are mean (SD) unless otherwise stated

Covariates	ODM (*n*=32)	Controls (*n*=32)	P^b
Maternal factors in pregnancy			
Age (years)	28.7 (4.9)	24.3 (4.3)	0.0003
Parity 2+ (No (%))	6 (18.8)	8 (25.0)	0.5
Body mass index (kg/m²)ᵃ	27.1 (25.0, 29.1)	24.5 (20.6, 28.3)	0.02
Pregnancy Complications (No (%))			
Premature labour	0 (0)	2 (6.3)	
Urinary tract infection	0 (0)	1 (3.1)	
Infant factors at birth			
Gestational age (weeks)	39.3 (1.2)	39.5 (1.5)	0.5
Mode of delivery (No (%))			
Normal (Vaginal)	20 (62.5)	26 (81.3)	
Instrumental (Forceps or Ventouse)	1 (3.1)	1 (3.1)	0.2
Emergency caesarean section	8 (25.0)	5 (15.6)	
Elective caesarean section	3 (9.4)	0 (0)	
Apgar score at 1 minute (score)	8.7 (0.9)	8.7 (0.7)	0.9
Apgar score at 5 minute (score)	9.7 (0.7)	9.9 (0.3)	0.3
Birthweight (kg)	3.270 (0.459)	2.907 (0.525)	0.005
Head circumference (cm)	34.3 (1.2)	33.9 (1.6)	0.2
Children's factors at the time of cognitive testing			
Gender- (No (%))			
Male	11 (34.4)	11 (34.4)	1.0
Female	21 (65.6)	21 (65.6)	
Age (years)	9.7 (0.3)	9.8 (0.3)	0.09
Height (cm)	131.3 (6.2)	130.4 (5.3)	0.5
Body mass index (kg/m²)	15.9 (1.8)	14.5 (1.6)	0.002
Parents socio-economic status			
Standard of living index (score)	37.4 (7.8)	37.5 (7.6)	0.97
Maternal education (No (%))			
<10 completed years	3 (9.4)	12 (37.5)	
-10 completed years	10 (31.2)	8 (25.0)	0.03
>10 completed years	19 (59.4)	12 (37.5)	
Paternal education (No (%))			
<10 completed years	7 (21.9)	8 (25.0)	
-10 completed years	20 (62.5)	14 (43.8)	0.2
>10 completed years	5 (15.6)	10 (31.2)	
Residence: Rural (No (%))	5 (15.6)	5 (15.6)	1.0
: Urban (No (%))	27 (84.4)	27 (84.4)	
Cognitive tests			
Atlantis	75.9 (16.2)	69.5 (16.2)	0.1
Word order	17.0 (2.7)	16.8 (2.4)	0.8
Pattern reasoning ᵃ	12.5 (9.0, 16.0)	12.0 (9.0, 17.0)	0.1
Verbal fluency-animals	13.1 (3.0)	12.0 (2.7)	0.07
Verbal fluency-names	18.2 (5.2)	15.6 (4.9)	0.03
Koh's block design ᵃ	85.3 (68.1, 97.3)	76.9 (63.4, 87.4)	0.4
Coding-WISC-III	36.8 (8.0)	34.7 (10.2)	0.3

ᵃ Transformed variable; values are median (Inter-quartile range). ᵇ P values are for the difference between ODMs and controls derived using *t*-tests or Chi² tests.