

	Normal UAD PI		Elevated UAD PI		All individuals		p-value
	Mean (SD)	Median (IQR)	Mean (SD)	Median (IQR)	Mean (SD)	Median (IQR)	
Recall of designs Ability Score	97 (19)	98 (87, 110)	95 (21)	96 (84, 108)	96 (20)	96 (87, 108)	0.456
Recall of objects immediate Verbal	144 (21)	146 (130, 159)	137 (23)	136 (123, 149)	140 (22)	140 (127, 153)	0.044
Recall of objects immediate Spatial	18 (3)	20 (16, 20)	17 (3)	18 (15, 20)	17 (3)	18 (16, 20)	0.012
Recall of objects delayed verbal	16 (3)	16 (14, 18)	15 (3)	15 (13, 17)	15 (3)	15 (14, 17)	0.051
Recall of objects delayed spatial	18 (3)	20 (16, 20)	17 (3)	18 (16, 20)	17 (3)	18 (16, 20)	0.098
Speed of information processing - ability score	166 (29)	172 (145, 183)	165 (38)	165 (149, 188)	166 (34)	168 (145, 188)	0.974
Recall of digits forward - ability score	150 (18)	148 (141, 160)	152 (21)	155 (141, 164)	151 (20)	150 (141, 160)	0.351
Recall of pictures - ability score	123 (12)	125 (115, 132)	124 (13)	125 (115, 132)	123 (13)	125 (115, 132)	0.690
Recall of digits backwards - ability score	128 (17)	127 (121, 136)	128 (20)	126 (121, 141)	128 (18)	126 (121, 138)	0.685
Number standard score	112 (13)	115 (104, 121)	109 (15)	108 (99, 120)	110 (14)	111 (101, 121)	0.070
Spelling standard	103 (15)	105 (94, 113)	100 (15)	102 (91, 110)	102 (15)	103 (92, 113)	0.192
Reading standard	98 (17)	97 (85, 106)	97 (13)	96 (89, 106)	98 (15)	97 (87, 106)	0.809
Verbal sums of scores	103 (18)	105 (94, 116)	101 (20)	105 (88, 115)	102 (19)	105 (90, 116)	0.135
Non-Verbal Reasoning sums of scores	96 (17)	96 (86, 107)	93 (18)	94 (82, 106)	95 (18)	94 (85, 107)	0.075
Spatial sums of scores	100 (17)	101 (88, 114)	99 (18)	100 (90, 112)	100 (17)	101 (89, 113)	0.366
Standard Verbal ability scores	103 (14)	104 (95, 113)	100 (16)	104 (90, 112)	102 (15)	104 (92, 113)	0.148
Standard Non-verbal reasoning ability	97 (15)	96 (88, 106)	94 (15)	95 (85, 105)	95 (15)	95 (87, 106)	0.079
Standard Spatial ability	100 (15)	100 (89, 112)	99 (15)	99 (91, 110)	99 (15)	100 (90, 111)	0.374
Standard GCA	100 (15)	103 (91, 110)	97 (16)	99 (87, 108)	98 (16)	100 (88, 109)	0.078
Common Behaviour Checklist	18.0 (6.9)	18 (13, 22)	20.2 (9.4)	21 (12, 26)	19.1 (8.3)	18 (13, 24)	0.263
CBLC Withdrawn	1.5 (1.6)	1 (0, 2)	1.7 (1.9)	1 (0, 3)	1.6 (1.7)	1 (0, 3)	0.920
CBLC Somatic problems	3.7 (12.6)	2 (0, 4)	2.7 (2.2)	2 (1, 4)	3.2 (9.1)	2 (1, 4)	0.380
CBLC Anxious / Depressed	2.8 (3.0)	2 (1, 4)	3.9 (3.9)	2 (1, 6)	3.4 (3.5)	2 (1, 5)	0.162
CBLC Social problems	1.6 (1.7)	1 (0, 2)	2.1 (2.3)	1 (0, 3)	1.9 (2.1)	1 (0, 3)	0.289
CBLC Thought / Behaviour	0.6 (1.0)	0 (0, 1)	1.0 (1.6)	0 (0, 1)	0.8 (1.4)	0 (0, 1)	0.247
CBLC Attention problems	2.9 (2.8)	2 (1, 4)	3.7 (3.6)	2 (1, 5)	3.3 (3.3)	2 (1, 5)	0.394
CBLC Delinquent behaviour	1.1 (1.6)	1 (0, 2)	1.6 (2.2)	1 (0, 2)	1.4 (1.9)	1 (0, 2)	0.383
CBLC Aggressive behaviour	6.1 (5.7)	5 (2, 9)	7.2 (6.4)	6 (2, 11)	6.7 (6.1)	5 (2, 10)	0.439
CBLC Other problems	4.4 (4.4)	4 (2, 6)	5.2 (4.4)	4 (2, 8)	4.8 (4.4)	4 (2, 7)	0.713
CBLC Internalizing	6.3 (5.2)	5 (2, 9)	8.2 (6.5)	6 (3, 11)	7.3 (6.0)	6 (3, 10)	0.231
CBLC Externalizing	7.3 (7.1)	6 (2, 11)	8.9 (8.2)	7 (2, 13)	8.1 (7.7)	6 (2, 12)	0.417
CBLC Internalizing Standard score	49.8 (10)	50 (43, 57)	52.8 (10.0)	52 (45, 58)	51.3 (10.1)	51 (45, 58)	0.332
CBLC Externalizing Standard score	48.6 (10.1)	49 (42, 56)	50.7 (11.0)	50 (40, 58)	49.7 (10.6)	49 (42, 56)	0.365
CBLC Total Standard Score	43.7 (9.6)	44 (39, 49)	46.4 (9.8)	45 (39, 53)	45.1 (9.7)	45 (39, 52)	0.332

Supplemental Table: Unadjusted linear regression analysis for elevated (>90th centile) and normal (<90th centile) umbilical artery Doppler (UAD) pulsatility index (PI) for Validated British Ability Scales II diagnostic, achievement, General conceptual ability (GCA) scale and Achenbach child behaviour checklist parent rated version (CBLC) parameters at 28 weeks.