

TABLE III S1. Single values of different metals (ppb) in Fallujah newborns with BD (Group 1), 6mo-7yrs-old with BD (group 2), newborns Fallujah controls (Group 3), 6mo-7yrs-old Italy normals (Group 4) and 6mo-7yrs-old Jerusalem normals (Group 5)

Sample	group	V	Cr	Co	As	Mo	Cd	W	U	Hg	Pb
101c	1	117,2	140,0	42,0	123,0	75,0	68,1	16,0	61,3	58,6	7081,0
103C	1	186,2	349,0	183,0	144,0	55,0	23,5	99,7	50,6	73,6	1719,0
105C	1	182,7	191,0	54,0	95,0	38,0	46,0	60,0	6,8	15,1	5774,0
109C	1	228,3	598,0	71,0	88,0	117,0	78,9	8,9	47,3	27,2	5972,0
114C	1	191,4	304,0	35,0	31,0	72,0	78,8	14,6	23,3	148,9	1694,0
118C	1	141,9	288,0	50,0	53,0	88,0	21,0	6,0	6,9	40,3	1093,0
120C	1	278,1	129,0	70,0	338,0	139,0	102,9	40,8	35,3	70,5	12190,0
121c	1	72,0	270,0	117,0	65,0	68,0	4438,0	12,7	4,7	259,8	1014,0
122C	1	10,0	589,0	108,0	131,0	51,0	45,8	2,0	3,3	46,3	921,5
129C	1	10,0	508,0	81,0	16,0	57,0	19,1	46,7	5,4	158,4	599,0
156c	1	17,6	347,0	130,0	82,0	564,0	76,3	120,3	11,1	17,8	23440,0
102C	1	106,1	172,0	48,0	161,0	33,0	76,0	32,0	26,2	10040,0	1411,0
106C	1	427,5	343,0	142,0	65,0	79,0	167,7	72,2	40,6	46,3	10480,0
107C	1	611,9	477,0	112,0	422,0	309,0	45,0	60,0	62,2	182,9	9496,0
115c	1	22,1	477,0	34,0	29,0	44,0	24,0	5,1	4,0	84,9	728,5
133c	1	424,9	341,0	114,0	179,0	138,0	205,9	87,8	13,1	33160,0	17010,0
135TC	1	90,4	99,0	28,0	229,0	107,0	34,3	130,2	145,5	46,3	5422,0
136TC	1	106,2	254,0	57,0	49,0	124,0	49,0	76,4	17,7	14,2	714700,0
146C	1	1049,0	732,0	229,0	408,0	111,0	34,0	149,0	147,5	42810,0	20880,0
149TC	1	109,8	203,0	44,0	61,0	103,0	64,5	13,3	21,3	8,4	4655,0
153C	1	419,8	401,0	128,0	245,0	230,0	13,0	34,0	19,8	134000,0	13460,0
154C	1	33,0	172,0	43,0	15,0	77,0	14,3	5,3	3,7	38,5	697,7
113C	1	515,6	353,0	113,0	331,0	78,0	86,0	24,0	15,8	34270,0	6513,0
155C	1	143,2	385,0	126,0	117,0	96,0	87,0	11,0	8,3	26,9	519,0
111C	1	294,7	318,0	62,0	103,0	84,0	89,2	22,9	46,4	56,1	4908,0
131TC	1	10,0	419,0	10,0	172,0	49,0	100,6	82,2	9,9	131,5	5674,0
147TC	1	888,4	534,0	129,0	196,0	177,0	373,6	63,7	95,5	62,3	18010,0
117C	1	552,9	2003,0	185,0	230,0	106,0	186,4	62,5	46,1	224,2	8770,0
152C	1	76,6	178,0	45,0	172,0	64,0	57,0	6,0	3,8	6,7	1391,0
137C	1	251,1	318,0	54,0	98,0	99,0	53,4	52,4	131,0	457,3	142700,0
140TC	1	388,0	300,0	116,0	49,0	71,0	99,1	19,8	17,4	169,1	5775,0

median	182,7	341,0	71,0	117,0	84,0	68,1	34,0	19,8	70,5	5774,0
min	10	99	10	15	33	13	2	3	7	519
max	1049	2003	229	422	564	4438	149	148	134000	714700
group 1 vs 2	0,562	0,598	0,361	0,203	0,425	0,247	0,847	0,877	0,242	0,263
group 1 vs 3	0,009	0,002	0,004	0,480	0,038	0,463	0,412	0,067	0,350	0,350

132C	2	159,5	186,0	159,5	261,0	28,0	86,0	14,0	38,0	3027,0	965,0
134TC	2	220,3	299,0	38,0	212,0	121,0	2533,0	88,3	24,9	101,8	1281000,0
138TC	2	887,7	829,0	212,0	642,0	186,0	87,0	42,0	21,3	87,3	38590,0
139TC	2	166,8	385,0	79,0	114,0	169,0	76,3	72,2	13,1	14,2	3060,0
141TC	2	714,6	474,0	152,0	179,0	79,0	2227,0	84,9	12,8	26990,0	27340,0
143TC	2	335,0	338,0	97,0	147,0	89,0	109,8	28,0	62,2	12310,0	5937,0
144TC	2	401,2	425,0	101,0	114,0	163,0	68,6	48,1	65,2	62,3	25300,0
145TC	2	243,2	389,0	94,0	114,0	135,0	156,3	63,7	7,2	78,3	15200,0
150TC	2	246,6	408,0	87,0	200,0	69,0	35,0	35,0	25,4	2871,0	3862,0
125c	2	10,0	10,0	109,0	72,0	3,0	3,4	2,5	5,0	12,0	21,0
142C	2	481,1	921,0	303,0	131,0	276,0	228,7	28,3	62,2	9468,0	9990,0
148TC	2	49,1	353,0	56,0	127,0	147,0	34,7	33,1	7,5	164,3	14910,0
151c	2	10,0	119,0	33,0	100,0	54,0	57,2	9,9	13,5	174,4	2216,0

median	243,2	385,0	97,0	131,0	121,0	86,0	35,0	21,3	164,3	9990,0
min	10	10	33	72	3	3	2	5	12	21
max	888	921	303	642	276	2533	88	65	26990	1281000
group2 vs 3	0,068	0,022	0,046	0,771	0,140	0,192	0,469	0,034	0,139	0,087

P1C	3	99,6	754,0	63,0	352,0	67,0	46,0	22,0	6,1	0,0	3323,0
C3C	3	300	580	291,9	133,8	135,1	11,32	102,6	79,59	0,1	705,1
C4C	3	1903	1094	311,3	100,4	253,2	121,1	119,3	90,78	41,69	1748
C5C	3	771	1034	180,2	89,23	381,2	131,5	117	4,276	563,4	1284
C6C	3	2164	1623	400,8	156,1	377,9	199,4	31,03	39,47	12940	94680
c7C	3	132,3	171,0	31,0	141,0	32,0	161,0	19,0	40,0	244,3	7310,0
C8C	3	718,3	548,3	394,3	133,8	217,9	27,17	11,46	40,26	1630	1419
C9C	3	1152	860,9	723	142,8	196	2,787	64,92	147,3	104,1	2588
C10C1	3	1926	604,1	472,6	124,9	263,4	51,56	43,92	63,15	0,1	1441
C10C	3	624,6	754,1	395,4	142,8	117,3	0	7,638	73,67	0,1	1128

101 2nd	3	48,3	206,0	49,0	114,0	76,0	45,8	90,6	86,3	30,3	8419,0
median		718,3	754,0	311,3	133,8	196,0	46,0	43,9	63,2	41,7	1748,0
min		48	171	31	89	32	0	8	4	0	705
max		2164	1623	723	352	381	199	119	147	12940	94680
goup 3 vs 4		0,036	0,015	0,017	0,192	0,006	0,955	0,100	0,020	0,532	0,030
group 3 vs 5		0,157	0,234	0,062	0,609	0,062		0,047	0,281	0,034	

ita1	4	121,8	133,0	63,0	230,0	45,0	24,0	78,0	13,6	78,0	
ita2	4	94,2	311,0	41,0	140,0	22,0	134,0	172,0	16,4	183,8	
ita3	4	151,0	237,0	52,0	87,0	35,0	234,0	162,0	24,4	245,3	
ita4	4	158	353	36	0	38	4	67	6	67	574
ita5	4	14	10	2	9	3	3	52	1	92	56
median		121,8	237,0	41,0	87,0	35,0	24,0	78,0	13,6	92,0	315,0
min		14	10	2	0	3	3	52	1	67	56
max		158	353	63	230	45	234	172	24	245	574
group 3 vs 5		0,117	0,009	0,076	0,459	0,076		0,465	0,346	0,007	

jer1	5	0,0	1579,0	58,0	1012,0	119,0		258,0	23,0	34,0	
jer2	5	445,0	1780,0	93,0	0,0	52,0		113,0	20,0	0,0	
jer3	5	267,0	685,0	43,0	0,0	19,0		65,0	12,0	0,0	
jer4	5	534,0	1505,0	55,0	506,0	97,0		177,0	12,0	0,0	
jer5	5	549,0	460,0	144,0	240,0	94,0		69,0	131,0	0,0	
median		445,0	1505,0	58,0	240,0	94,0		113,0	20,0	0,0	
min		0	460	43	0	19		65	12	0	
max		549	1780	144	1012	119		258	131	34	
group 1+2 vs 4		0,175	0,083	0,021	0,228	0,001	0,355	0,015	0,176	0,644	0,027
group 1+2 vs 5		0,322	0,002	0,656	0,644	0,409		0,856	0,001	0,644	