

Table 1. Amniocentesis Data and Obstetrical Outcome for 27 Subjects With Confirmed Antidepressant Exposure

Medication	Subject	Dose (mg/day)	Amniocentesis Data								Obstetrical Outcome Data				
			Estimated Gestational Age (weeks)	Maternal Serum (ng/ml)		Amniotic Fluid (ng/ml)		Amniotic Fluid as a Percentage of Maternal Serum		Duration of Exposure (weeks)	Estimated Gestational Age (weeks)	APGAR Score		Birth Weight (kg)	
				Parent	Metabolite	Parent	Metabolite	Parent	Metabolite			1 minute	5 minutes		
Citalopram	A	50	17.0	262	—	94	—	35.9	—	39.6	39.6	2	8	3.18	
	B														
Escitalopram		5	15.4	17	—	3	—	17.6	—	37.9	37.9	—	—	3.52	
Fluoxetine	C	20	14.1	224	257	13	<2	5.8	0.8	39.9	39.9	8	9	3.25	
	D	20	38.6	64	144	11	26	17.2	18.1	38.6	38.6	8	9	3.23	
	E	30	16.4	75	125	8	13	10.7	10.4	39.6	39.6	5	8	3.21	
	F	30	16.9	138	99	<2	<2	1.4	2.0	38.1	38.1	8	9	3.00	
	G	30	17.1	226	116	21	<2	9.3	1.7	39.0	39.0	5	9	2.82	
	H	40	16.1	376	284	48	16	12.8	5.6	35.9	35.9 ^a	5	8	2.60	
	I														
		40	16.4	365	474	33	34	9.0	7.2	36.0	36.0 ^a	7	9	3.51	
	J ^b	40	19.0	—	—	43	52	—	—	38.1	38.1	8	9	2.90	
	K	40	17.0	67	161	2	33	3.0	20.5	40.0	40.0	8	9	3.32	
	L	40	17.1	124	120	10	25	8.1	20.8	38.4	38.4	6	9	2.70	
	M	40	17.0	189	144	49	31	25.9	21.5	38.6	38.6	8	9	3.27	
	N	80	16.1	437	435	34	18	7.8	4.1	38.3	38.3	7	9	3.01	
	Mean	39	18.9	207.7	214.5	22.8	21.2	10.1	10.3	38.4	38.4	6.9	8.8	3.10	
	SD	16.6	7.0	132.9	132.4	17.7	15.4	6.8	8.4	1.3	1.3	1.3	0.4	0.30	
Fluvoxamine	O ^c	100	15.7	41		4		9.8		40.4	40.4	8	9	3.23	
	P-IR														
Paroxetine		20	16.7	39		<2		5.1		38.3	38.3	8	9	3.29	
	Q-IR	40	16.1	14		3		21.4		37.4	37.4	8	9	2.85	
Sertraline	R	50	14.7	52	83	<2	16	3.9	19.3	39.0	39.0	8	9	3.86	
	S	75	36.4	50	102	<2	<2	4.0	2.0	36.6	36.6 ^a	8	9	2.54	
	T														
		125	16.6	83	177	<2	<2	2.4	1.1	36.4	36.4 ^a	8	9	3.17	
	U ^c	150	16.3	53	349	<2	19	3.8	5.4	39.0	39.0	9	9	3.66	
	V	150	18.9	73	149	25	43	34.3	28.9	39.3	39.3	8	9	3.10	
	W	250	21.7	248	405	16	30	6.5	7.4	34.9	34.9 ^a	7	9	2.65	

	Mean	133.3	20.8	93.2	210.8	8.2	18.7	9.1	10.7	37.8	37.8	8.0	9.0	3.16					
	SD	70.1	8.0	77.0	134.1	9.9	16.0	12.4	11.0	1.9	1.9	0.7	0.0	0.59					
	X-XR																		
Venlafaxine		150	16	54	287	46	100	85.2	34.8	35.9	35.9 ^a	7	9	2.25 ^d					
	Y ^{b,c,e} -IR																		
		200	20.6	—	—	16	313	—	—	25.4	36.0 ^a	9	9	2.69					
												7	9	3.09					
	Z-XR	225	36.3	64	388	171	1621	267.2	417.8	36.4	36.4 ^a	5	8	2.50					
	AA-XR	225	34.7	32	137	53	612	165.6	446.7	36.1	36.1 ^a	9	9	2.90					
	Mean	200	26.9	50.0	270.7	71.5	661.5	172.7	299.8	33.5	36.1	7.4	8.8	2.69					
	SD	35.4	10.1	16.4	126.3	68.2	673.3	91.2	229.9	5.4	0.2	1.7	0.4	0.33					

^aPreterm delivery.

^bMaternal serum collected more than 2 weeks from amniocentesis.

^cPreviously reported by Hostetter et al. (1).

^dLow birthweight.

^eDelivered twins. APGAR scores given for each twin.

Reference

1. Hostetter A, Ritchie JC, Stowe ZN: Amniotic fluid and umbilical cord blood concentrations of antidepressants in three women. *Biol Psychiatry* 2000; 48:1032–1034