

Table 1a. Sub-lethal acute poisoning (single dose): Clinical observations (time related)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to recovery): h
1	SPC 1973:3	1	20M	S, A	5.7	(a)	6.5		20.0	2900			0h: NS	0h: ST	
		1					30	p	20.7	3000			6h: V, MS, K, PS	2h: PD 70h	
		1					54		10.4	1500					
		1					78		6.9	1000					78
2	SPC 1976:1	2	28F	S, A	2.5	(a), (b)	3.5	(a)	53.8	7800			0h: MS, CY	0h: ST, FD	
		2				E	13.5		17.6	2550				E4h: PD 48h	48
3	SPC 1987:1	3	Ad,M	S, Z	NR	(c)	1.5		12.4	1800			0h: C	0h: ST, AR,	
		3					5	p	22.8	3300			16h: RM	FD 120h	
		3					8		20.0	2900					
		3					16		15.9	2300					
		3					24		10.4	1500					
		3					72		6.2	900					
4	SPC 1988: 3	4	16M	S, A	NR	(d), (e)	3	p	38.0	5500			0h: MS	0h: ST, FD, HD	
		4					9		11.8	1700			I: K, E (f)		
		4					16		13.1	1900					
		4					21.5		11.7	1700					
		4					75		3.5	500					72
5	Horowitz 1969	5	58F	S, A	4.2	(d), (g)	2.5	s, p	56.6	8200			ba: V, G	0h: ST, FD	
		5					24	s, (h)	23.2	3360			0h: NS		
		5					48	s	11.5	1660					3
6	Gaind 1970	6	45F	S, Z	1		9	s	22.1	3200			0h: C, SZ, LP	0h: ST; 3h: AC	E24
		6											4h: RM		
7	von Hartitzsch 1972	7	50F	U, Z	2.6	(i)	0	s	34.5	5000			ba: C, SZ	0h: ST, PD 7h	
		7					7	s	17.3	2500			0h: LP	7h: HD 4h, AR	
		7					11	s	10.4	1500			7h: DC, R, K	I: HD x 3	
		7					144	s	1.4	200			8d: RM; SS: N		288
8	Marshall 1981	8	55F	S, A	2.26	(a), (j)	3	s	26.8	3880			0h: DC	0h: ST, AR	
		8					8	s	40.7	5900			11d: RM	5h: PD 6d	
		8					29	s	44.2	6400					
		8					53	s, p	66.2	9600					
		8					77	s	41.4	6000					
		8					101	s	22.3	3230					
		8					125	s	11.0	1600					
		8					149	s	6.3	920					
		8					173	s	2.1	310					
		8					197	s	0.7	100					432

lithium sulfate

9	Unger 1982	9	38M	S, Z	2.8	(k)	96	s	6.6	950			0h: NS	0h: ST	
		9					120	s	6.7	975			I: MS	96h: AR	
		9					168	s, p	9.3	1350			96h: C, F, LP, K, SZ	120h: HD 3x4hx	
		9					192	s, y	2.1	300			120h: KF	17d	
		9					360	s	0.7	100			SS: N		1440
10	Sawyer 1983	10	Ad?	S, Z	NR		4	s, p	37.3	5400			0h: MS	0h: ST	
		10	Ad?	S, Z	NR		10	s, p	38.6	5600			0h: MS	0h: ST	
		10	Ad?	S, Z	NR		2	s, p	39.3	5700			0h: MS	0h: ST	
11	Kondziela 1984	11	28M	U, Z	5.64	(l), ET	12	s, p	69.0	10000			ba: G 3d	0h: ST	
		11				ET	26	s	65.6	9500			0h: MS	22h: HD 3h	
		11				ET	34	s	34.5	5000			14h: MS		
		11				ET	37	s	27.6	4000			22h: K		
		11				ET	60	s	21.4	3100					
		11				ET	84	s	10.4	1500					216 (336) (n)
12	Dyson 1987	12	Ad?	S, Z	4.7		2.5	s	47.6	6900			0h: MS, K	0h: ST	
		12	Ad?	S, Z	NR		8	s	44.2	6400			0h: MS, K	0h: ST	
13	Tunkel 1988	13	33M	S, A	5.1	(a), (m)	2	s	5.9	860			0h: NS	0h: ST	
		13					5	s	27.3	3950			16h: MS	I: HDx3	
		13					8	s	40.6	5890					
		13					17	s	45.4	6580					
		13					20	s	29.7	4310					
		13					25	s	39.0	5650					
		13					45	s	20.8	3010					
		13					68	s	13.3	1930					
		13					88	s	10.8	1560					
14	GIZ-Nord 2004:201319	14	63F	NR			11		10.4	1499			11h: MS	ST	
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW lithium = 6.9															
(a) acute or chronic?															
(b) plus biperiden 120 mg.															
(c) a week's lithium dose plus some diazepam, tricyclic antidepressant, and ethanol.															
(d) documented acute overdose (not on lithium before).															
(e) plus propranolol, thioridazine and maprotiline.															
(f) hypokalemia.															
(g) plus 1.25 g thioridazine.															
(h) lithium level in cerebrospinal fluid was 1010 µM.															
(i) 9 days therapy only; plus chlorpromazine 100-200 mg daily.															
(j) plus 375 mg flurazepam and 1.5 g doxepin.															
(k) plus nortriptyline, meprobamate, benzodiazepines, and salicylates.															
(l) overdose during the last three days.															
(m) plus 45 mg benztropine.															
(n) time to remission (time at hospital).															

Table 1b. Sub-lethal acute poisoning (single dose): Clinical observations (without time information)

Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h		Notes (blood sample)	Blood conc.: mg/l	Blood conc.: μ M	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: μ M	Symptoms and signs	Treatment	Time (exposure to recovery): h
							to sampling): h	s								
1	Clendeninn 1982	1	50F	S, A	NR	(a)		s	31.05	4500				0h: C	0h: ST, AR, HD	
2	Leeman 1983	2	42F	S, A	NR	(a), (b)		pl	39.33	5700				0h: DC	0h: ST, AR, HD	504
3	Gadallah 1988	3	Ad	S, Z	NR			s	46.92	6800				0h: MS	HDx1	
		4	Ad	S, Z	NR			s	44.44	6440				0h: MS	HDx1	
		5	Ad	S, Z	NR			s	41.4	6000				0h: MS	HDx3	
		6	Ad	S, Z	NR			s	38.64	5600				0h: MS	HDx2	
		7	Ad	S, Z	NR			s	26.22	3800				0h: MS	HDx1	
4	Bellomo 1991	8	58F	NR	NR			s	43.47	6300				0h: MS	0h: ST; I: CH	72
5	Perrier 1990	9	46M	S, A	NR	(c)		pl	96.6	14000				0h: C	0h: ST, HD	288
		9												I: KF, CI, LP, BD		
6	Bailey 2000	10	174 cases	NR	7.8	(d)	NR	(e), p	14.85	2140				N, (g)	ST, HD	
		10						6	(f)	13.46	1940					
7	GIZ-Nord 1997:29388	11	76F	NR	NR					16.74	2579			MS	HD, ST	

Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]

MW lithium = 6.9

(a) acute on chronic?

(b) plus other drugs (not reported).

(c) allegedly, but not documented, acute on chronic intoxication.

(d) acute on chronic overdose; the mean age was 36.2 ± 10.4 years, median 34; average ingested dose 7.8 ± 7.4 g (n=114, median 6.0, range 0.6-45.0).

(e) median (range): 2140 (0-8920), (n=141).

(f) median (range): 1940 (0-8640), (n=117).

(g) cardiovascular symptoms.

Table 2a. Lethal acute poisoning (single dose): Clinical observations (time related)

Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
1	Schou 1968	1	57F	S, Z	NR	E	24	s	41.4	6000			NR	NR	
		1				E	180	s	1.4	200					360(a)
2	Hawkins 1969	2	57M	U, Z	1.8	(b)	0	s, (c)	21.9	3170			0h: MS	24h: ST	
		2					24	s	25.5	3700			24h: C, LP, KF	E30h: HD17.5h	
		2				ET	30	s	24.8	3600			E45h: F		
		2				ET	36	s	13.5	1950					
		2				ET	45	s	11.7	1700					
		2				ET	47.5	s	11.0	1600					
		2				ET	65.5	s	22.1	3200					66
3	Achong 1975	3	29F	S, Z	11.3	(d)	2	s	25.5	3700			ba: V	0h: ST	
		3					14	s	41.4	6000			0h: MS, LP	51h: PD	
		3					26	s	51.1	7400			40h: MS, G	57h: HD	
		3					38	s	55.2	8000			49h: C, K	73h: AR	
		3					50	s	103.5	15000			73h: KF, R	97h: CR	
		3					62	s, p	379.5	55000			97h: CA		
		3					74	s	10.4	1500					97
4	Rose 1987	4	65F	S, Z	NR	(e)	9	s, p	58.7	8500			0h: MS; 48h: K	0h: ST	
		4					33	s	41.4	6000			72h: KF, CA, LP	48h: HD	
		4					57	s	49.0	7100					
		4					81	s	38.6	5600					108

Table 2b. Lethal acute poisoning (single dose): Clinical observations (without time information)

Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: μM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: μM	Symptoms and signs	Treatment	Time (exposure to death): h
1	AAPCC 1987:244	1	23	S, A	NR	(a)			48.3	7000					
2	AAPCC 1992:427	2	46	S, A	NR	(a)			38.64	5600					
3	Amdisen 1974	3	43F	S, Z	NR	(b)	>48		46.92	6800			0h: NS; 24h: MS	0h: ST; I: FD	
		3					>98	y	13.8	2000			48h: C, SZ	48h: AR,	
		3					>194		6.9	1000			72h: DC, K	HD 3x8h	
		3											11d: B, KF		480
		3											OL: B, K		

Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]

MW lithium = 6.9

(a) acute or chronic?

(b) same case as in table: Post-mortem observations (time-related).

Table 3a. Post-mortem observations (time related)

Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: μM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: μM	Symptoms and signs	Treatment	Time (exposure to death): h
1	Amdisen 1974	1	43F	S, Z	NR	(a)		T	3.4	500			OL:B, K		480
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW lithium = 6.9															
(a) same case as in table: Lethal acute poisoning (single dose): Clinical observations (without time information).															

Table 3b. Post-mortem observations (without time information)

Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case, dose, time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: μM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: μM	Symptoms and signs	Treatment	Time (exposure to death): h
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW lithium = 6.9															