

72-chloroquine diphosphate (CAS# 50-63-5)															
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 1980:1	1	Ad, F	NR	NR		80	sr	1.3	4.2			0h:CA,RA,C	CR,AR	
		720					sr	0.2	0.7					NR	
2	SPC 1989:3	2	20F	S	10	ED	0.5	sr	1.8	5.6			MS, N, H	ST,AA,AC	
		2					sr	1.4	4.5						
		2					sr	0.5	1.6					48	
3	Ström 1976	3	20F	S, A	15	ED	2	sr	2.0	6.3			0h:V,MS	0h:ST	
		3					sr, (a)	0.94	2.9			0.25h:C,LP,RA	0.25h:AR,AC,AA		
		3					sr	0.6	1.9			I:H,SZ	I:ET	E8	
4	Czajka 1978	4	49F	S, A	9	(b)	1	pl	6.7	20.9			ba:V 0h:MS,E		
		4					pl	0.4	1.3			0.25h:V			
		4					pl	0.2	0.6			0.6h:LP,C,R	0.6h:RA,ST	7	
		4					pl	0.3	0.9			38.5h:F,K			
5	Hoang 1982	5	22M	NR	6		2	sr	5.2	16.3			0h:N (c) I:HA	I:CR	NR
6	Bergqvist 1983	6	18F	S, A		(d)	2	wb	3.8	12			0h:SZ,RA,CA,H	CR,FD,UA	
7	Heath 1983	7	46F	S	6.2	(e)	4.5	sr, (f)	10.3	32.2			0h:C I:SZ,R,LP,H	0h:ST I:AR	
		7						8.5	3.7	11.6					
		7						18.5	7.5	23.4					
		7						62.5	2.3	7.2					36
8	Siboni 1990	8	18F	S, A	≤ 17.5	(g)	3.75	sr	2.5	7.81					
		8					wb	12.6	10.3	32.2					
		8					wb, y	28.8	6.4	20					
		8					wb	103	3.4	10.6					192
		8					ET	1152	wb	0.01	0.02				
		8					ET	4440	wb	0.00	0.00				
9	Furet 1991	9	18F	S, A	4	(h)	4	pl	1.63	5.1			0.5hba:N 0h:MS I:H	I:ST,AR,AC	
		9					pl	0.72	2.3						
		9					pl	0.18	0.6						
		9					pl	0.13	0.4					NR	
10	Hantson 1991	10	17M	S	8	(i)	1	wb	15.9	49.7			ba:CA 0h:CA,DC	0h:CR,AR,ST	
		10					wb	1.2	3.7			SS (j)	I:HP2.5h	NR (k)	
11	Croes 1993	11	24F	S	3.5	(l), ED	5	wb	7.87	24.6			C,LP,H	ST,AR,AC	
		11					wb	2.42	7.56						
		11					wb	1.38	4.31					73	
12	Wilkinson 1993	12	33F	NR	5.9		1	pl	2.49	7.78			ba:V 0h:LP (m)	0h:ST	72
13	Frisk-Holmberg 1983	13	18F	S, A	7.5			wb	3.2	10.0			2h: CA, RA, SZ, K	2h: ST	36
		13													
14	Kantola 1985	14	25F	NR	12.5	(n), ET	4.5	wb, (o)	4.3	13.4			4h: SZ	HP	24
		14					wb	0.7	2.3						

chloroquine diphosphate

Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]													
MW chloroquine = 320.0													
(a) after exchange transfusion.													
(b) chloroquine was prescribed for the treatment of a Clonorchis sinensis (liver fluke) infection.													
(c) complete blindness.													
(d) weight 75 kg; 82 mg/kg body weight.													
(e) weight 60 kg; plus alcohol.													
(f) blood sample is taken immediately after haemoperfusion; serum ethanol 64 mmol/l.													
(g) plus acetyl salicylic acid, cyproheptadine, tetracycline, and pivampicillin.													
(h) weight 45 kg.													
(i) weight 75 kg.													
(j) neurological damage.													
(k) discharged from the intensive care unit on day 15.													
(l) weight 55 kg; chloroquine prescribed as antimalarial: in the evening before the attempted suicide, she ingested 3 tablets of chlorazepate of unknown strength.													
(m) temperature 34.4°C.													
(n) plus 20 g aspirin.													
(o) the concentration of chloroquine before haemoperfusion, which was started 4.5 h after she had taken the overdose.													

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.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to recovery): h
1	SPC 1988:2	1	29M	S, Z		(a)		sr							168
2	Hoang 1982	2	24F					sr	9.8	30.6					
3	Garcia-Forcada 1991	3	30M	S, A	4			pl	3.9	12.2			C,HA		
4	Stiff 1991	4	30F	NR				pl	15.2	47.5			C,R,CA	AC	
5	Bauer 1991	5	20F	S	6			pl	35.8	112			C,R,CA	AC	
6	Riou 1988	6	23M	NR	10	(b), (c)		wb	22.4	70				(d)	
		7	22F	NR	7.5			wb	12.8	40					
		8	31M	NR	6			wb	16	50					
		9	19F	NR	9			wb	25.6	80					
		10	46F	NR	8			wb	12.8	40					
		11	27M	NR	6.5			wb	19.2	60					
		12	18M	NR	7			wb	19.2	60					
		13	24F	NR	8.5			wb	16	50					
		14	29M	NR	10			wb	17.6	55					
		15	24F	NR	6			wb	12.8	40					
7	Messant 2004	16	25F	NR	10			wb	13	39			C, CA	AR, (e)	72
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW chloroquine = 320.0															
(a) intake of 4-5 g chloroquine phosphate.															
(b) 73% had reportedly read a book that recommended taking chloroquine to commit suicide.															
(c) five patients had transient circulatory collapse.															
(d) immediate mechanical ventilation and the administration of diazepam and epinephrine, therefore these patients survived inspite of high doses of chloroquine.															
(e) diazepam, epinephrine.															

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	Robinson 1970	1	24F	NR	NR	(a)	4	wb	8.6	26.9			CA	NR	E4.5
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW chloroquine = 320.0															
(a) plus paracetamol and aspirin (small amounts); case also in table: Post-mortem observations (time related).															
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/ml	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
1	Lofaso 1987	1	28M	S, A	10			wb	41	128			CA, RA, DC, LP, HA		E72
		2	26M	S, A	10			wb	31	96.9			CA, RA, DC, LP, HA		E192
2	Henderson 1994	3	20F	U, Z	9	ED		wb	11.5	35.9			LP, SZ, HA, CA		
3	Riou 1988	4	33M	NR	15			wb	25.6	80			CA		216
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW chloroquine = 320.0															

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	Robinson 1970	1	33F	NR	NR		NR	wb	16.0	50			C	HD	25
		2	24F	NR	NR	(a)	NR	wb	12.4	38.8			CA	NR	E4.5
2	Kiel 1964	3	24M	NR	NR	(b)	NR	wb	30	93.8			V, MS,LP,CA		E6
		3	39M	S	34	(c), ED	NR	wb	51	159			C		1.5
4	Di Maio 1974	4													
		5	25M	S, Z	NR	(d), T	NR	wb	125	391					E5
		6	20M	S, Z	31	(d), ED, T	NR	wb	19.3	60.3					2.5
		7	21M	S, Z	NR	(d), T	NR	wb	65	203			2.5h:CA I:PN		E96
5	Noirfalise 1978	8	27M	NR, Z	NR	(d), T	NR	wb	24.1	75.3			0.5h:MS,V		1
		9	26 F	NR	6.5		NR	wb	10.6	33.1			V I:C	0h:ST	17
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW chloroquine = 320.0															
(a) plus paracetamol and aspirin (small amounts) - case also in table: Lethal acute poisoning (single dose): Clinical observations (time related).															
(b) 20-23 chloroquine tablets.															
(c) plus alcohol.															
(d) military standard chloroquine treatment - one tablet contains 310 mg chloroquine base and 45 mg primaquine base.															
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
1	Ifftsits-Simon 1968	1	40M						31	96.9			fd		
2	Klug 1970	2	27M						20	62.5					
3	Madati 1970	3	NR					wb, (a)	71	222					
4	Viala 1972	4	NR					wb, (b)	126	394					
5	Sarvesvaran 1979	5	25F					wb	66	206			fd		
		6	29F					wb	45	141			CA		
6	Kintz 1988	7	27M					wb	16.7	52.2			fd		
7	Wilkey 1973	8	35F					wb	24	75.0			fd		
		9	19F					wb	8	25.0					
8	Di Maio 1974	10	49F					wb	47.5	148					
		11	26M					wb	15	46.9					
		12	22M					wb	460	1438					
		13	AdM					wb	1.17	3.66					
9	Weingarten 1981	14	15F			T		wb	33	103					
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW chloroquine = 320.0															
(a) mean value of 8 cases, range 0.8-226 mg/l.															
(b) mean value of 7 cases, cited from other authors, range 13.5-180 mg/l. Better data requested.															