

73-diphenylhydantoin (CAS# 57-41-0)															
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	Theil 1961	1	18F	S	21.5	(a)	138	pl, (b)	50	198.2			0h:C I:DC	0h:ST	
		1					144	pl, (c)	4	15.9			I:N,SZ	138h:HD6h	E840
2	Blair 1968	2	20M	S, Z	12	(d), ED, ET	12		60	237.9			0h:MS,N	0h:ST	
		2				E	48		130	515.4				E44h:PD35h	
		2				E	60		25	162.5					
		2				E	188		10	39.6					E96
3	Rubinger 1979	3	23M	S, Z	10	(e)	1	pl	18	71.4			0h:MS 1.5h:C	0h:ST	
		3					6	pl	34	134.8				6h:HD7h	
		3					24	pl	36	142.7					120
4	Albertson 1981	4	22F	S, A	NR	(f), E	12	sr	18	71.4			0h:MS	0h:ST	
		4				E	36	sr	65	257.7			I:MS,N		
		4				E	156	sr, p	95	376.6					
		4				E	316	sr	18	71.4					336
5	Subik 1982	5	21M	S, Z	7.5	ED, ET	8	pl	65	257.7			0h:MS,PS	0h:ST	
		5				E	32	pl	80	317.1					
		5				E	120	pl	35	138.8					72
6	Larsen 1986	6	24M	S, Z	2	(g), ED	24		65	257.7			C,CY	ST,AR	
		6				E	48		59	233.9				E90h:HD2h(h)	
		6				E	72		58	229.9					
		6				E	144		13.2	52.3					114
7	Jacobsen 1986-87	7	25M	S, Z	NR		1	(i)	130	515.3			0h:NS		
		7					33.5		250	991.0			I:C,N	0h:ST	
		7					149		107	424.2					144
8	Griffiths 1987	8	21F	S, A	NR		9		163	646.2			0h:MS,N	0h:ST	
		8					120		44	174.4					120
9	Weichbrodt 1987	9	38F	S, Z		(j)	7		52	206.1			0h:MS,N	0h:ST	
		9					42.5	p	57	226.0				30-195h:RC	
		9					139		14	55.5					192
10	Black 1987	10	30M	S, Z		(k), E	5		54.6	216.4			0h:MS,N	0h:ST	
		10				E	45		81	321.1			45h:C,N		
		10				E	120		25.3	100.3					E120
11	Masur 1989	11	21M	S, Z		(l), E	480		18	71.4			0h:C,N I:SS(f)	0h:ST,HD	N R
12	Mellick 1989	12	15F	S		(m), E	6		45	178.4			0h:MS,N,V	0h:ST	
		12				E	31		100.8	399.6					
		12				E	144		26.4	104.7					
13	Teta 1990	13	20M	S, A	NR		18		30.5	120.9			ba:N,MS	ST	
		13				E	48		73.5	291.4			0h:MS,PS,C,N		
		13				E	96		71.7	284.2				E96h:RC	
		13				E	168		30.5	120.9					
		13				E	216		4.3	17.0					216
14	McCollam 1988	14	26M	S, A			2		32	126.9			2h: MS, N	ST, HP	NR
		14				E		p	58.3	231.1					
		14				E	18		51.6	204.6					
		14				E		(n)	27.3	108.2					
15	Alhaj 2001	15	49F	NR	NR	(o), E	48	sr	60	237.8			2h: MS, N	ST, HP	NR

Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]													
MW diphenylhydantoin (phenytoin) = 252.3													
(a) in the 8th month of pregnancy. Also ingested 2.4 g of phenobarbital.													
(b) blood concentration before hemodialysis; the plasma phenobarbital level was 19 mg/l.													
(c) blood concentration after hemodialysis; the phenobarbital level was 15 mg/l.													
(d) plus 15 g primidone.													
(e) plus 0.05 g diazepam.													
(f) plus phenobarbital (unknown amount).													
(g) cocaine abuser.													
(h) plasmaphoresis.													
(i) blood ethanol level was 6.5 mM (30 mg/dl) on admission.													
(j) chronic medications included phenytoin and thiothixene; ingested 10-15 g of phenytoin.													
(k) received 1g phenytoin i.v.													
(l) epileptic seizures from the age of 15; chronic medication: carbamazepine 1.5 g per day, 0.3 g phenytoin per day.													
(m) probably Z; history of absence seizures and borderline schizophrenia.													
(n) blood concentration after charcoal hemoperfusion for 3 hours.													
(o) phenytoin 0.1 g three times daily, phenobarbital 0.03 g twice daily, and diazepam 0.005 g every 12 hours as needed for anxiety symptoms.													

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	Bambauer 1982	1	15M					(a)	98	388.4					
2	Chua 2000	2	15M						38	150.6					
		3	Ad						40	158.6					
		4	Ad						58	229.9					
		5	Ad						50	198.2					
		6	Ad						47	186.3					
		7	Ad						44	174.4					
		8	Ad						44	174.4					
		9	Ad						38	150.6					
		10	Ad						34	134.8					
3	Brandolese 2001	11	31F	Z		(b), ET	72	sr	97	384.5					
		11					204	sr	20	79.3					
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW diphenylhydantoin (phenytoin) = 252.3															
(a) 98 µg/l in the article is interpreted as 98 mg/l.															
(b) 100 mg phenytoin 3 times a day.															
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	Chaikin 1987	1	18M	S, A	NR		12		45	178.4			0h:C	0h:ST	
		1					120	p	114	451.9			!:AP,R,G		
		1					354		70	277.5			!:SZ		
		1					444		1.25	5.0			!:CA,RA (a)		3240 (b)
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW diphenylhydantoin (phenytoin) = 252.3															
(a) septicaemia.															
(b) died of sepsis.															

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	AAPCC 1987:176	1	61	NR	NR				74.2	294.1					
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW diphenylhydantoin (phenytoin) = 252.3															
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
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW diphenylhydantoin (phenytoin) = 252.3															
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	Coutselinis 1975	1	37M	S, Z	NR			T	45	178.4					
		2	18M	S, Z	NR			T	48	190.2					
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW diphenylhydantoin (phenytoin) = 252.3															