



Appendix 1

**This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.**

Appendix to: Wang LW, He EYJ, Ghosh D, et al. Severe carbon monoxide poisoning from waterpipe smoking: a public health concern. *Med J Aust* 2015; 202: 446-447. doi: 10.5694/mja14.01264.

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Severe carbon monoxide poisoning from waterpipe smoking: a public health concern.
Medical Journal of Australia.

Appendix 1: Serial blood gas results*

	Presentation (T)	T + 20 minutes	T + 1 hour	T + 3 hours	T + 9 hours
Sample	Venous	Arterial	Arterial	Venous	Arterial
FiO ₂	0.21	0.21	0.50	0.50	0.21
pH	7.37	7.43	7.45	7.41	7.40
pO ₂ (mmHg)	19	82	137	62	79
pCO ₂ (mmHg)	53	43	39	44	47
O ₂ saturation (%)	48	98	99	95	97
HCO ₃ (mmol/L)	30	28	27	27	29
Base excess (mmol/L)	5	4	3	3	4
Haemoglobin (g/L)	139	120	115	115	115
Blood oxyhaemoglobin (%)	35.3	73.6	74.4	88.0	94.0
Reduced haemoglobin (%)	38.2	1.4	0.4	4.9	3.0
Methaemoglobin (%)	1.1	1.1	1.7	1.5	1.4
Carboxyhaemoglobin (%)	25.4	23.9	23.5	5.6	1.7
Sodium (mmol/L)	143	140	138	140	140
Potassium (mmol/L)	4.0	3.9	4.2	4.0	3.9
Lactate (mmol/L)	1.6	0.6	0.9	1.0	0.6
Ionised calcium (mmol/L)	1.22	1.22	1.20	1.21	1.23

* These analyses were performed on a Radiometer ABL 735 blood gas analyser with co-oximetry (Copenhagen, Denmark).