

Table SI. Patient characteristics.

Characteristic	Patient no.								
	1	2	3	4	5	6	7	8	9
Hospital	S.U.H	S.U.H	S.P.H	S.P.H	S.P.H	S.U.H	S.P.H	S.P.H	S.P.H
Age	78	78	91	46	65	62	86	75	76
Sex	Female	Female	Male	Female	Female	Male	Male	Male	Female
Cause of CPA	Asphyxia (in hospital)	Hanging	Asphyxia	Metabolic acidosis	Hanging (in hospital)	Anaphylactic shock	Asphyxia	Asphyxia	Asphyxia
Comorbidities	Spinal canal stenosis	Hypertension, diabetes mellitus, psychiatric disorder	Dementia, hyperuricemia	Epilepsy	Postoperative state of ovarian cancer, Anxiety disorder, past history of myocardial infarction and percutaneous coronary intervention	Cancer of unknown primary origin, atrial fibrillation	Postoperative state of prostate cancer, dementia	Hemiplegia, schizophrania, diabetes mellitus	Dementia, hypertension
Medications	Prostaglandin E1 derivative	SU agent, DPP-4 inhibitor, predonine, aspirin	Allopurinol, donepezil hydrochloride	None	beta-blocker, ARB, statin, aspirin, nicorandil	Dabigatran etexilate, β -blocker	None	Ca blocker, ARB, antiplatelet drug	Ca blocker,
Bystander-initiated BLS	None	None	Done	Done	None	Done	Risperidone	Done	None
Time between collapse to CPR, min	7	10	0	0	8	0	6	10	10
Initial rhythm	PEA	N.A.	PEA	PEA	PEA	PEA	PEA	Asystole	N.A.
Time between collapse to ROSC, min	29	12	15	11	15	20	8	16	20
Time between collapse to start of cooling, min	222	153	130	26	246	157	113	125	266
Time between initiation of cooling to target temperature 34°C, min	28	20	40	0	74	28	10	70	44
Time between initiation of rewarming to target temperature 36°C, h	25.2	25.3	22.5	26.1	23.1	46.5	23.7	20	25.8
APACHE II score	29	35	33	39	26	28	26	29	36
SAPS II	62	58	73	82	68	75	72	76	68
Initial blood gas analysis, FiO ₂	0.3	0.5	N.A.	1	N.A.	0.45	N.A.	N.A.	N.A.
pH	7.36	7.409	6.88	6.482	N.A.	7.287	7.14	7.354	7.11

Table SI. Continued.

Characteristic	Patient no.								
	1	2	3	4	5	6	7	8	9
pH	7.36	7.409	6.88	6.482	N.A.	7.287	7.14	7.354	7.11
PaO ₂ , mmHg	88.7	241	117	285	N.A.	172	96.8	166	41.1
PaCO ₂ , mmHg	44.4	35.1	98.1	45	N.A.	31.5	63.2	30.5	73.4
HCO ₃ ⁻ , mmol/l	24.5	11.7	20.6	3.2	N.A.	14.5	20.6	16.6	22.6
Hemoglobin, g/dl	9.3	11.7	11.2	8.8	N.A.	10.4	13	14.2	10
Lactate, mmol/l	29	28	8.2	24	N.A.	59	3.7	6.9	7
Blood transfusion	None	None	None	Done	None	Done	None	None	None
Outcome	CPC 4	dead	CPC 3	CPC 1	CPC 4	CPC 1	CPC 1	CPC 3	CPC 3

CPA, cardiopulmonary arrest; S.U.H, Shimane University Hospital; S.P.H, Shimane Prefectural Central Hospital; ARB, angiotensin II receptor blocker; BLS, basic life support; CPR, cardiopulmonary resuscitation; ROSC, return of spontaneous circulation; SAPS, simplified acute physiology score; APACHE II, Acute Physiology and Chronic Health Evaluation II; CPC, cerebral performance category; PEA, pulseless electrical activity; N.A., not applicable.