

Gammaglobulins, usual dose	N	N	N	Y	N	Y	Y	N	N
Gammaglobulins, high dose, 1g/kg	Y	N	N	N	N	N	N	N	N
Antithrombin-III	N	N	N	Y	N	N	Y	N	N
Cyclosporine	N	N	N	N	N	N	N	N	N
Sivelestat	N	N	N	Y	N	N	Y	N	N
Mechanical ventilation									
NPPV	N	N	N	N	N	N	N	N	N
Initial PEEP, cmH ₂ O	5	12	2	ND†	7	5	5	7	5
Max PEEP, cmH ₂ O	5	30	2	ND	9	13	18	7	10
Initial OI, cmH ₂ O/mmHg	1.6	33.0	8.3	ND	5.1	*	25.0	14.2	20
Max OI, cmH ₂ O/mmHg	1.6	36.0	8.3	54.0	7.8	*	54.0	17.4	20
HFOV	N	Y	N	N	N	N	Y	N	N
APRV, IRV	N	N	N	N	N	N	N	N	N
NO	N	Y	N	N	N	N	Y	N	N
PCPS/ECMO	N	N	N	Y	N	N	Y	N	N
Blood purification									
CHDF	N	N	N	Y	N	N	Y	N	N
PE	N	N	N	N	N	N	N	N	N
Inotropic therapy									
	Y	Y	Y	Y	Y	N	Y	Y	N
Brain hypothermia									
	Y	N	N	N	N	N	N	N	N §
28 day mortality	Alive	Alive	Alive	Alive	Alive	Alive	Alive	Alive	NA
In-hospital mortality	Alive	Alive	Alive	Hospitalized	Alive	Alive	Hospitalized	Alive	Alive
Duration of mechanical ventilation, days	10	10	5	18	12	2	27	4	9
Duration of ICU stay, days	11	11	7	28	14	4	33	5	10
Duration of hospitalization, days	48	27	10	Hospitalized	38	7	Hospitalized	9	10
Sequae									
Neurological	Y	N	N	unknown	Y	N	unknown	N	N
Respiratory	N	N	N	unknown	N	N	unknown	N	N
Cardiovascular	N	N	N	unknown	N	N	N	N	N

PIM, pediatric index of mortality; ARDS, acute respiratory distress syndrome; GCS, Glasgow coma scale; JCS, Japan coma scale; PT-INR, international normalization ratio of prothrombin time; AST, aspartate aminotransferase; APT, alanine aminotransferase; CT, computed tomography; MRI, magnetic resonance imaging; EEG, electroencephalogram; rRT-PCR, real-time reverse transcription polymerase chain reaction; NPPV, noninvasive positive pressure ventilation; PEEP, positive end-expiratory pressure; OI, oxygenation index; HFOV, high-frequency oscillatory ventilation; APRV, airway pressure released ventilation; IRV, inverted ration ventilation; NO, nitric oxide; PCPS, percutaneous cardiopulmonary support; ECMO, extracorporeal membrane oxygenation; CHDF, continuous hemodia-filtration; PE, plasma exchange; ABPC, ampicillin; ABPC/SBT, ampicillin-sulbactam; CAM, clarythromycin, CEZ, cefazolin; CTX, cefotaxime; CTRX, ceftriaxone, MINO, minocycline; VCM, vancomycin

Y, yes; N, no; NA, not applicable; ND, not detected; *, according to the Japanese guideline of influenza-associated encephalopathy; †, according to the diagnosis by cardiologist; ‡, late-onset, ventilator-associated pneumonia; †, PCPS initiated just after intubation; §, brain normothermia performed