

1) Patients and clinical characteristics in children

	All cases (n = 47)	Alive (n = 46)	Death (n = 1)
Sex (male / female)	31 / 17	31 / 16	0 / 1
Age (years)	6 (5-9)	6 (4-9)	12
Weight (kg)	20 (17-28)	19 (17-28)	41
PIM II Predicted mortality (%)	2.7 (1.1-4.7)	2.7 (1.1-4.7)	22.5
Body temperature (°C) (first medical examination)	38.2 (37.5-39.2)	38.2 (37.5-39.0)	39.2
Body temperature (°C) (maximum)	39.5 (39.0-40.0)	39.5 (39.0-40.0)	39.9
Vaccination for pH1N1	1	1	0
Rapid diagnosis kit (-) & PCR (+)	5	5	0
Risk factor			
Immunodeficiency	1	0	1
Bronchial asthma	1	1	0
Complication			
DIC	2	1	1
Bacterial infection	12	12	0
Medical treatment			
Oseltamivir	48	47	1
Increased dose of oseltamivir	8	8	0
Prolonged dosage period of oseltamivir	2	2	0
Zanamivir	2	1	1
Immune globulin	8	8	0
Steroid (high dose)	6	6	0
Steroid (low dose)	23	23	0
Sivelestat	5	5	0

Data are median (IQR: interquartile range), or number (n) of patients.

PIM: pediatric index of mortality, PCR: polymerase-chain-reaction, DIC: disseminated intravascular coagulation.

2) Mechanical ventilation and oxygenation in children

	All cases (n = 47)	Alive (n = 46)	Death (n = 1)
Initial ventilator pressure			
PEEP level (cmH ₂ O)	8 (5-10)	8 (5-10)	10
PIP level (cmH ₂ O)	26 (23-30)	27 (23-30)	25
Maximum ventilator pressure			
PEEP level (cmH ₂ O)	10 (8-12)	10 (8-11)	12
PIP level (cmH ₂ O)	28 (25-32)	28 (25-33)	27
PaO ₂ /FiO ₂ (mmHg)			
After application of mechanical ventilation	120 (78-209)	120 (78-209)	58
Minimum	93 (68-132)	93 (69-133)	58
Noninvasive ventilation	4	4	0
High frequency oscillatory ventilation	2	2	0
Airway pressure release ventilation	5	5	0
Prone position	11	11	0
ECMO	0	0	0

Data are median (IQR: interquartile range), or number (n) of patients.

PEEP: positive end-expiratory pressure, PIP: peak inspiratory pressure, ECMO: extracorporeal membrane oxygenation.

3) clinical course in children

	All cases (n = 47)	Alive (n = 46)	death (n = 1)
Length of mechanical ventilation (days)	5 (3-7)	5 (3-7)	4
Length of ICU stay (days)	6 (5-8)	6 (5-8)	4
Length of hospital stay (days)	10 (8-13)	10 (9-13)	4

Data are median (IQR: interquartile range).
ICU: intensive care unit.