

ENROLLMENT

Patients ID	Main pathology (tick one)				
Age [years]	None other than infection <input type="checkbox"/>				
Gender [M/F]	Intrabdominal abscess <input type="checkbox"/>				
Pregnancy [Y/N]	Cholecystitis <input type="checkbox"/>				
Weight [kg]	Pancreatitis <input type="checkbox"/>				
Height [cm]	Colon cancer <input type="checkbox"/>				
Admission Date	Intrabdominal perforation <input type="checkbox"/>				
ICU entry Date	Ischemic Cardiopathy <input type="checkbox"/>				
First diagnosis of severe sepsis	Trauma <input type="checkbox"/>				
First diagnosis of septic shock	Burn <input type="checkbox"/>				
Type of admission	Atrial fibrillation <input type="checkbox"/>				
Emergency Dept <input type="checkbox"/>	Intestinal occlusion <input type="checkbox"/>				
Emergency Surgical Dept <input type="checkbox"/>	Thoracic aorta dissection <input type="checkbox"/>				
Elective surgical Dept <input type="checkbox"/>	Cardiac tamponade <input type="checkbox"/>				
Medical Dept <input type="checkbox"/>	ALI/ARDS <input type="checkbox"/>				
Other ICU <input type="checkbox"/>	COPD exacerbatation <input type="checkbox"/>				
Type of surgery before admission	Atrial fibrillation <input type="checkbox"/>				
None <input type="checkbox"/>	Comorbidities (tick one or more)				
Abdominal <input type="checkbox"/>	None <input type="checkbox"/>				
Thoracic <input type="checkbox"/>	Hypertension <input type="checkbox"/>				
Neurological <input type="checkbox"/>	Aritmia <input type="checkbox"/>				
Vascular <input type="checkbox"/>	severe COPD <input type="checkbox"/>				
Orthopedic <input type="checkbox"/>	Diabetes <input type="checkbox"/>				
Cardiac <input type="checkbox"/>	Congestive heart failure NYHA class 1,2,3 <input type="checkbox"/>				
Other surgery <input type="checkbox"/>	Cancer <input type="checkbox"/>				
Type of suspected or proven infection	Solid organ draft <input type="checkbox"/>				
Wounds infection <input type="checkbox"/>	Overweight <input type="checkbox"/>				
VAP <input type="checkbox"/>	Neutropenia <input type="checkbox"/>				
Secondary Peritonitis <input type="checkbox"/>	Cerebrovascular stroke <input type="checkbox"/>				
Primary peritonitis <input type="checkbox"/>	Coagulation abnormalities <input type="checkbox"/>				
Surgical Urinary tract infection <input type="checkbox"/>	HIV Infection <input type="checkbox"/>				
Community acquired pneumonia <input type="checkbox"/>	Hematologic malignancy <input type="checkbox"/>				
		Toraymyxin treatments			
		First treatment <input type="checkbox"/>	Second treatment <input type="checkbox"/>		
		<i>(if no treatment describe reasons below)</i>	<i>(if no treatment describe reasons below)</i>		
		First treatment date _____	First treatment date _____		
		Heparin bolus _____	Heparin bolus _____		
		Heparin infusion [UI/Kg/h] _____	Heparin infusion [UI/Kg/h] _____		
		Adverse events related to EC treatment	Adverse events related to EC treatment		
		None <input type="checkbox"/>	None <input type="checkbox"/>		
		Tachycardia <input type="checkbox"/>	Tachycardia <input type="checkbox"/>		
		hypotension at connection <input type="checkbox"/>	hypotension at connection <input type="checkbox"/>		
		Bleeding <input type="checkbox"/>	Bleeding <input type="checkbox"/>		
		Adverse events on Toraymyxin cartridge	Adverse events on Toraymyxin cartridge		
		None <input type="checkbox"/>	None <input type="checkbox"/>		
		Pump tubing rupture <input type="checkbox"/>	Pump tubing rupture <input type="checkbox"/>		
		Other tubing rupture <input type="checkbox"/>	Other tubing rupture <input type="checkbox"/>		
		Pump malfunction <input type="checkbox"/>	Pump malfunction <input type="checkbox"/>		
		Connectors crack <input type="checkbox"/>	Connectors crack <input type="checkbox"/>		
		Cartridge clotting <input type="checkbox"/>	Cartridge clotting <input type="checkbox"/>		
		Catheter clotting <input type="checkbox"/>	Catheter clotting <input type="checkbox"/>		
		Cannula problems <input type="checkbox"/>	Cannula problems <input type="checkbox"/>		
		Air chambers clotting <input type="checkbox"/>	Air chambers clotting <input type="checkbox"/>		
		Air in the circuit <input type="checkbox"/>	Air in the circuit <input type="checkbox"/>		
		Reasons for not performing the treatment	Reasons for not performing the treatment		
		Clinical improvement <input type="checkbox"/>	Clinical improvement <input type="checkbox"/>		
		Death <input type="checkbox"/>	Death <input type="checkbox"/>		
		Consent withdrawal <input type="checkbox"/>	Consent withdrawal <input type="checkbox"/>		
		Low life expectancy <input type="checkbox"/>	Low life expectancy <input type="checkbox"/>		
		Bad source control <input type="checkbox"/>	Bad source control <input type="checkbox"/>		
		Low level endotoxemia <input type="checkbox"/>	Low level endotoxemia <input type="checkbox"/>		
		Device unavailability <input type="checkbox"/>	Device unavailability <input type="checkbox"/>		

GLASGOW COMA SCORE (mandatory)

Eyes Open	spontaneous ④	to speech ③	to pain ②	absent ①		
Verbal response	oriented ⑤	disoriented ④	inappropriate ③	incomprehensible ②	absent ①	
Motor response to pain	obeys ⑥	localizes pain ⑤	withdraws (flexion) ④	Abnormal flexion ③	Abnormal extension ②	absent ①

(continues) ENROLMENT

Patients ID		APACHE II SCORE AT ADMISSION (mandatory)												
Temperature (°C)		≤ 29.9 ④	30 - 31.9 ③	32 - 33.9 ②	34 - 35.9 ①	36 - 38.4 ②	38.5 - 38.9 ①	39 - 40.9 ③	≥ 41 ④					
Mean Arterial Pressure (mmHg)		≤ 49 ④		50 - 69 ②		70 - 109 ②	110 - 129 ②	130 - 159 ③	≥ 160 ④					
Heart Rate (bpm)		≤ 39 ④	40 - 54 ③	55 - 69 ②		70 - 109 ②	110 - 139 ②	140 - 179 ③	≥ 180 ④					
Respiratory Rate (breaths/min)		≤ 5 ④		6 - 9 ②	10 - 11 ①	12 - 24 ②	25 - 34 ①	35 - 49 ③	≥ 50 ④					
If FiO ₂ ≥ 0.5 : (A-a) O ₂	[mmHg]	pO ₂ _____	pCO ₂ _____	FiO ₂ 0		< 200 ②	200-349 ②	350 - 499 ③	≥ 500 ④					
	[kPa]	pO ₂ _____	pCO ₂ _____	FiO ₂ 0		< 26 ②	26.6 - 46.4 ②	46.5 - 66.3 ③	≥ 66.4 ④					
		(A-a)O ₂ gradient [mmHg] = (760-47)*FiO ₂ -paCO ₂ -PaO ₂				(A-a)O ₂ gradient [kPa] = (100-6.2)*FiO ₂ -paCO ₂ -PaO ₂								
If FiO ₂ < 0.5 : PaO ₂	[mmHg]	< 55 ④	55 - 60 ③	61 - 70 ①		> 70 ②								
	[kPa]	< 7.3 ④	7.3 - 8 ③	8.1 - 9.3 ①		> 9.3 ②								
If no ABG: Serum HCO ₃ ⁻	[mmol/L]	≥ 52 ④	41 - 51.9 ③	32 - 40.9 ①	22 - 31.9 ②	18 - 21.9 ②	15 - 17.9 ③	< 15 ④						
Arterial pH		≥ 7.7 ④	7.6 - 7.69 ③	7.5 - 7.59 ①	7.33 - 7.49 ②	7.25 - 7.32 ②	7.15 - 7.24 ③	< 7.15 ④						
Serum Sodium (mmol/l)	[mmol/L]	≥ 180 ④	160 - 179 ③	155 - 159 ②	150 - 154 ①	130 - 149 ②	120 - 129 ②	111 - 119 ③	< 110 ④					
Serum Potassium (mmol/l)	[mmol/L]	≥ 7 ④	6 - 6.9 ③	5.5 - 5.9 ①	3.5 - 5.4 ②	3 - 3.4 ①	2.5 - 2.9 ②	< 2.5 ④						
Serum Creatinine WITH Acute Renal Failure	[mg/dL]	< 0.6 ④	0.6-1.49 ②	1.5 - 1.9 ④	2 - 3.4 ⑥	≥ 35 ⑧								
	[umol/L]	< 54 ④	54 - 129 ②	130 - 169 ④	170 - 304 ⑥	≥ 305 ⑧								
Serum Creatinine WITHOUT Acute Renal Failure	[mg/dL]	< 0.6 ②	0.6-1.4 ②	1.5 - 1.9 ②	2 - 3.4 ③	≥ 35 ④								
	[umol/L]	< 54 ②	54 - 129 ②	130 - 169 ②	170 - 304 ③	≥ 305 ④								
Ht (%)	%	< 20 ④	20 - 29 ②	30 - 45.9 ②	46 - 49.9 ①	50 - 59.9 ②	≥ 60 ④							
White Blood Cells count	[10 ³ /mm ³]	< 1 ④	1 - 2.9 ②	3 - 14.9 ②	15 - 19.9 ①	20 - 39.9 ②	≥ 40 ④							
Age		≤ 44 ②	45 - 54 ②	55 - 64.9 ③	65 - 74.9 ⑤	≥ 75 ⑥								
Glasgow Coma Score		15 ②	14 ①	13 ②	12 ③	11 ④	10 ⑤	9 ⑥	8 ⑦	7 ⑧	6 ⑨	5 ⑩	4 ⑪	3 ⑫
Chronic Organ Insufficiency immuno-compromised		None ②		and non operative ⑤		and emergency postoperative ⑤		and elective postoperative ②						
RESUSCITATION BASED ON SURVIVING SEPSIS CAMPAIGN CARE BUNDLES (mandatory)														
Early management (around 3 hours)	1.	Measure lactate level	mmol/L											
	2.	Obtain blood samples for cultures prior to administration of antibiotics	Yes <input type="checkbox"/> No <input type="checkbox"/>											
	3.	Administer broad spectrum antibiotics	a)			b)			c)					
	4.	Administer 30 ml/kg crystalloid for hypotension or lactate ≥4 mmol/l:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	→	Total amount infused (L):								
	Albumin infusion	Yes <input type="checkbox"/>	No <input type="checkbox"/>	→	/kg]:									
Fluid Optimization (around 6 hours)	5.	Apply vasopressors (for hypotensions not responding to initial fluid resuscitation) to maintain a MAP≥65 mmHg	→ Yes <input type="checkbox"/> No <input type="checkbox"/>											
	6.	In the event of persistent arterial hypotension despite volume resuscitation (septic shock) or initial lactate ≥ 4 mmol/l (36mg/dl):	a. Measure Central Venous Pressure (CVP [mmHg])											
			b. Measure central venous oxygen saturation (ScvO ₂) [%]											
	7.	Re-measure lactate in initial lactate was elevated (Targets for quantitative resuscitation included in the guidelines are CVP≥8mmHg, ScvO ₂ ≥70%, and normalization of lactate)	Yes <input type="checkbox"/>											
			No <input type="checkbox"/>											

(continues) ENROLMENT

Patients ID		SAPSII SCORE AT ADMISSION (mandatory)						
Type of admission		unscheduled surgery ⑧	medical ⑥	scheduled surgery ⑩				
Chronic diseases		none ⑩	metastatic carcinoma ⑨	hematologic malignancy ⑩		AIDS ⑰		
Glasgow Coma Score		< 6 ⑳	6 - 8 ⑬	9 - 10 ⑦	11 - 13 ⑤	14 - 15 ①		
Age (years)		< 40 ①	40 - 59 ⑦	60 - 69 ⑫	70 - 74 ⑮	75 - 79 ⑯	≥ 80 ⑱	
Syst. Blood Pressure (mmHg)		< 70 ⑬	70 - 99 ⑤	100 - 199 ①	≥ 200 ②			
Heart rate (bpm)		< 40 ⑪	40 - 69 ②	70 - 119 ①	120 - 159 ④	≥ 160 ⑦		
Temperature (°C)		< 39 ①	≥ 39 ③					
If MV or CPAP PaO ₂ /FiO ₂		< 100 ⑪	100 - 199 ⑨	≥ 200 ⑥				
Urine output (L/24h)		< 0.5 ⑪	0.5 - 0.999 ⑥		≥ 1 ①			
Serum Urea	[mmol/L]	< 10 ①	10 - 29.9 ⑥	≥ 30 ⑩				
	[g/L]	< 0.6 ①	6 - 1.79 ⑥	≥ 1.80 ⑩				
or BUN (mg/dL)		< 28 ①	28 - 83 ⑥	≥ 84 ⑩				
WBC (cells/mm ³)		< 1000 ⑫	1000 - 19000 ①	≥ 20000 ③				
Potassium (mEq/l)		< 3 ③	3 - 4.9 ①	≥ 5 ③				
Sodium (mEq/l)		≥ 145 ①	125 - 144 ①	< 125 ⑤				
HCO ₃ ⁻ (mEq/l)		< 15 ⑥	15 - 19 ③	≥ 20 ①				
Bilirubin	[umol/L]	< 68.4 ①	68.4 - 102.5 ④	> 102.6 ⑨				
	mg/dL	< 4 ①	4 - 5.9 ④	≤ 6 ⑨				

		SOFA SCORE (mandatory)						
Respiration (PaO ₂ /FiO ₂)		≥400 ①	< 400 (with or without respiratory support) ①	< 300 (with or without respiratory support) ②	< 200 (with respiratory support) ③	< 100 (with respiratory support) ④		
Coagulation (Platelets)	[10 ³ /mm ³]	≥150 ①	< 150 ①	< 100 ②	< 50 ③	< 20 ④		
Cardiovascular (MAP and vasopressors)		No hypotension ①	MAP < 70 mmHg ①	Dopa < = 5 or Dobutamine ②	Dopa > 5 or Epi/Norepi ≤ 0.1 ③	Dopa > 15 or Epi/Norepi > 0.1 ④		
		MAP [mmHg] _____		Epinephrine [µg/kg/min] _____	Vasopressin [UI/h] _____			
		Norepinephrine [µg/kg/min] _____		Dobutamine [µg/kg/min] _____	Dopamine [µg/kg/min] _____			
		Corticosteroids <input type="checkbox"/>						
Glasgow Coma Score		13 - 14 ①	10 - 12 ②	6 - 9 ③	< 6 ④			
Liver (bilirubin)	[mg/dL]	≤1.2 ①	1.2 - 1.9 ①	2.0 - 5.9 ②	6.0 - 11.9 ③	> 12 ④		
	[umol/L]	≤20 ①	20 - 32 ①	33 - 101 ②	102 - 204 ③	> 204 ④		
Renal (creatinine or urine output)	[mg/dL]	≤1.2 ①	1.2 - 1.9 ①	2.0 - 3.4 ③	3.5-4.9 or <500mL/day ③	> 5 or <200mL/day ④		
	[umol/L]	≤110 ①	110-170 ①	171-299 ②	300-440 or <500mL/day ③	> 204 or <200 mL/day ④		

(continues) ENROLMENT

Patients ID		LUNG INJURY SCORE (at least one of the following scores)						
Alveolar consolidation	None ①	One quadrant ②	Two quadrants ③	Three quadrants ④	Four quadrants ⑤			
Hypoxemia score (PaO ₂ /FiO ₂)	≥ 330 ①	225 - 299 ②	175 - 224 ③	100 - 174 ④	< 100 ⑤			
PEEP score (cmH ₂ O)	≤ 5 ①	6 - 8 ②	9 - 11 ③	12 - 14 ④	≥ 15 ⑤			
Lung compliance (mL/cmH ₂ O)	≥ 80 ①	60 - 79 ②	40 - 59 ③	20 - 39 ④	≤ 19 ⑤			

RIFLE SCORE (mandatory)			
Category	GLOMERULAR FILTRATION RATE CRITERIA	OR	Urine Output Criteria
No dysfunction	Within normal range ①	OR	Within normal range ①
Risk	Increased creatinine x1.5 or GFR decrease > 25% ②	OR	< 0.5ml/kg/h x 6 hr ①
Injury	Increased creatinine x2 or GFR decrease > 50% ③	OR	< 0.5ml/kg/h x 12 hr ②
Failure	Increase creatinine x3 or GFR decrease > 75% ④	OR	< 0.3ml/kg/h x 24 hr or Anuria x 12 hrs ③
Loss	Complete loss of kidney function > 4 weeks ⑤	OR	Complete loss of kidney function > 4 weeks ④
END STAGE RENAL DISEASE	End Stage Kidney Disease (> 3 months) ⑥	OR	End Stage Kidney Disease (> 3 months) ⑤
Renal replacement therapy	<input type="checkbox"/>		

BIOMARKERS (optional)			
Endotoxin Activity	TNF-α [pg/mL]	NGAL [ng/mL]	
Procalcitonin [ng/mL]	IL-1 [pg/mL]	BNP [ng/mL]	
Presepsin [pg/mL]	IL-6 [pg/mL]		

T12H

Patients ID							
Collection date							
Collection hour							
BIOMARKERS (optional)							
Endotoxin Activity	TNF-α [pg/mL]	NGAL [ng/mL]	Presepsin [pg/mL]				
Procalcitonin [ng/mL]	IL-1 [pg/mL]	BNP [ng/mL]	IL-6 [pg/mL]				
GLASGOW COMA SCORE (mandatory)							
<i>Eyes Open</i>	spontaneous ④	to speech ③	to pain ②	absent ①			
<i>Verbal response</i>	oriented ⑤	disoriented ④	inappropriate ③	incomprehensible ②	absent ①		
<i>Motor response to pain</i>	obeys ⑥	localizes pain ⑤	withdraws (flexion) ④	Abnormal flexion ③	Abnormal extension ②	absent ①	
SOFA SCORE (mandatory)							
Respiration (PaO ₂ /FiO ₂)	≥400 ④	< 400 (with or without respiratory support) ①	< 300 (with or without respiratory support) ②	< 200 (with respiratory support) ③	< 100 (with respiratory support) ④		
Coagulation (Platelets) [10 ³ /mm ³]	≥150 ④	< 150 ①	< 100 ②	< 50 ③	< 20 ④		
Cardiovascular (MAP and vasopressors)	No hypotension ④	MAP < 70 mmHg ①	Dopa < = 5 or Dobutamine ②	Dopa > 5 or Epi/Norepi ≤ 0.1 ③	Dopa > 15 or Epi/Norepi > 0.1 ④		
	MAP [mmHg] _____	Epinephrine [µg/kg/min] _____	Vasopressin [UI/h] _____				
	Norepinephrine [µg/kg/min] _____	Dobutamine [µg/kg/min] _____	Dopamine [µg/kg/min] _____				
	Corticosteroids <input type="checkbox"/>						
Glasgow Coma Score	13 - 14 ①	10 - 12 ②	6 - 9 ③	< 6 ④			
Liver (bilirubin)	[mg/dL] ≤1.2 ④	1.2 - 1.9 ①	2.0 - 5.9 ②	6.0 - 11.9 ③	> 12 ④		
	[umol/L] ≤20 ④	20 - 32 ①	33 - 101 ②	102 - 204 ③	> 204 ④		
Renal (creatinine or urine output)	[mg/dL] ≤1.2 ④	1.2 - 1.9 ①	2.0 - 3.4 ③	3.5-4.9 or <500mL/day ③	> 5 or <200mL/day ④		
	[umol/L] ≤110 ④	110-170 ①	171-299 ②	300-440 or <500mL/day ③	> 204 or <200 mL/day ④		
RIFLE SCORE (mandatory)							
Category	GLOMERULAR FILTRATION RATE CRITERIA			Urine Output Criteria			
No dysfunction	Within normal range ④			OR	Within normal range ④		
Risk	Increased creatinine x1.5 or GFR decrease > 25% ①			OR	< 0.5ml/kg/h x 6 hr ①		
Injury	Increased creatinine x2 or GFR decrease > 50% ②			OR	< 0.5ml/kg/h x 12 hr ②		
Failure	Increase creatinine x3 or GFR decrease > 75% ③			OR	< 0.3ml/kg/h x 24 hr or Anuria x 12 hrs ③		
Loss	Complete loss of kidney function > 4 weeks ④			OR	Complete loss of kidney function > 4 weeks ④		
END STAGE RENAL DISEASE	End Stage Kidney Disease (> 3 months) ⑤			OR	End Stage Kidney Disease (> 3 months) ⑤		
Renal replacement therapy <input type="checkbox"/>							
LUNG INJURY SCORE (at least one of the following scores)							
Alveolar consolidation	None ④	One quadrant ①	Two quadrants ②	Three quadrants ③	Four quadrants ④		
Hypoxemia score (PaO ₂ /FiO ₂)	≥ 330 ④	225 - 299 ①	175 - 224 ②	100 - 174 ③	< 100 ④		
PEEP score (cmH ₂ O)	≤ 5 ④	6 - 8 ①	9 - 11 ②	12 - 14 ③	≥ 15 ④		
Lung compliance (mL/cmH ₂ O)	≥ 80 ④	60 - 79 ①	40 - 59 ②	20 - 39 ③	≤ 19 ④		

T24H

Patients ID							
Collection date							
Collection hour							
BIOMARKERS (optional)							
Endotoxin Activity	TNF-α [pg/mL]	NGAL [ng/mL]	Presepsin [pg/mL]				
Procalcitonin [ng/mL]	IL-1 [pg/mL]	BNP [ng/mL]	IL-6 [pg/mL]				
GLASGOW COMA SCORE (mandatory)							
<i>Eyes Open</i>	spontaneous ④	to speech ③	to pain ②	absent ①			
<i>Verbal response</i>	oriented ⑤	disoriented ④	inappropriate ③	incomprehensible ②	absent ①		
<i>Motor response to pain</i>	obeys ⑥	localizes pain ⑤	withdraws (flexion) ④	Abnormal flexion ③	Abnormal extension ②	absent ①	
SOFA SCORE (mandatory)							
Respiration (PaO ₂ /FiO ₂)	≥400 ①	< 400 (with or without respiratory support) ①	< 300 (with or without respiratory support) ②	< 200 (with respiratory support) ③	< 100 (with respiratory support) ④		
Coagulation (Platelets) [10 ³ /mm ³]	≥150 ①	< 150 ①	< 100 ②	< 50 ③	< 20 ④		
Cardiovascular (MAP and vasopressors)	No hypotension ①	MAP < 70 mmHg ①	Dopa < = 5 or Dobutamine ②	Dopa > 5 or Epi/Norepi ≤ 0.1 ③	Dopa > 15 or Epi/Norepi > 0.1 ④		
	MAP [mmHg] _____	Epinephrine [µg/kg/min] _____	Vasopressin [UI/h] _____				
	Norepinephrine [µg/kg/min] _____	Dobutamine [µg/kg/min] _____	Dopamine [µg/kg/min] _____				
	Corticosteroids <input type="checkbox"/>						
Glasgow Coma Score	13 - 14 ①	10 - 12 ②	6 - 9 ③	< 6 ④			
Liver (bilirubin)	[mg/dL] ≤1.2 ①	1.2 - 1.9 ①	2.0 - 5.9 ②	6.0 - 11.9 ③	> 12 ④		
	[umol/L] ≤20 ①	20 - 32 ①	33 - 101 ②	102 - 204 ③	> 204 ④		
Renal (creatinine or urine output)	[mg/dL] ≤1.2 ①	1.2 - 1.9 ①	2.0 - 3.4 ③	3.5-4.9 or <500mL/day ③	> 5 or <200mL/day ④		
	[umol/L] ≤110 ①	110-170 ①	171-299 ②	300-440 or <500mL/day ③	> 204 or <200 mL/day ④		
RIFLE SCORE (mandatory)							
Category	GLOMERULAR FILTRATION RATE CRITERIA			Urine Output Criteria			
No dysfunction	Within normal range ①			OR	Within normal range ①		
Risk	Increased creatinine x1.5 or GFR decrease > 25% ①			OR	< 0.5ml/kg/h x 6 hr ①		
Injury	Increased creatinine x2 or GFR decrease > 50% ②			OR	< 0.5ml/kg/h x 12 hr ②		
Failure	Increase creatinine x3 or GFR decrease > 75% ③			OR	< 0.3ml/kg/h x 24 hr or Anuria x 12 hrs ③		
Loss	Complete loss of kidney function > 4 weeks ④			OR	Complete loss of kidney function > 4 weeks ④		
END STAGE RENAL DISEASE	End Stage Kidney Disease (> 3 months) ⑤			OR	End Stage Kidney Disease (> 3 months) ⑤		
Renal replacement therapy <input type="checkbox"/>							
LUNG INJURY SCORE (at least one of the following scores)							
Alveolar consolidation	None ①	One quadrant ①	Two quadrants ②	Three quadrants ③	Four quadrants ④		
Hypoxemia score (PaO ₂ /FiO ₂)	≥ 330 ①	225 - 299 ①	175 - 224 ②	100 - 174 ③	< 100 ④		
PEEP score (cmH ₂ O)	≤ 5 ①	6 - 8 ①	9 - 11 ②	12 - 14 ③	≥ 15 ④		
Lung compliance (mL/cmH ₂ O)	≥ 80 ①	60 - 79 ①	40 - 59 ②	20 - 39 ③	≤ 19 ④		

T48H

Patients ID							
Collection date							
Collection hour							
BIOMARKERS (optional)							
Endotoxin Activity	TNF-α [pg/mL]	NGAL [ng/mL]	Presepsin [pg/mL]				
Procalcitonin [ng/mL]	IL-1 [pg/mL]	BNP [ng/mL]	IL-6 [pg/mL]				
GLASGOW COMA SCORE (mandatory)							
<i>Eyes Open</i>	spontaneous ④	to speech ③	to pain ②	absent ①			
<i>Verbal response</i>	oriented ⑤	disoriented ④	inappropriate ③	incomprehensible ②	absent ①		
<i>Motor response to pain</i>	obeys ⑥	localizes pain ⑤	withdraws (flexion) ④	Abnormal flexion ③	Abnormal extension ②	absent ①	
SOFA SCORE (mandatory)							
Respiration (PaO ₂ /FiO ₂)	≥400 ①	< 400 (with or without respiratory support) ①	< 300 (with or without respiratory support) ②	< 200 (with respiratory support) ③	< 100 (with respiratory support) ④		
Coagulation (Platelets) [10 ³ /mm ³]	≥150 ①	< 150 ①	< 100 ②	< 50 ③	< 20 ④		
Cardiovascular (MAP and vasopressors)	No hypotension ①	MAP < 70 mmHg ①	Dopa < = 5 or Dobutamine ②	Dopa > 5 or Epi/Norepi ≤ 0.1 ③	Dopa > 15 or Epi/Norepi > 0.1 ④		
	MAP [mmHg] _____	Epinephrine [µg/kg/min] _____	Vasopressin [UI/h] _____				
	Norepinephrine [µg/kg/min] _____	Dobutamine [µg/kg/min] _____	Dopamine [µg/kg/min] _____				
	Corticosteroids <input type="checkbox"/>						
Glasgow Coma Score	13 - 14 ①	10 - 12 ②	6 - 9 ③	< 6 ④			
Liver (bilirubin)	[mg/dL] ≤1.2 ①	1.2 - 1.9 ①	2.0 - 5.9 ②	6.0 - 11.9 ③	> 12 ④		
	[umol/L] ≤20 ①	20 - 32 ①	33 - 101 ②	102 - 204 ③	> 204 ④		
Renal (creatinine or urine output)	[mg/dL] ≤1.2 ①	1.2 - 1.9 ①	2.0 - 3.4 ③	3.5-4.9 or <500mL/day ③	> 5 or <200mL/day ④		
	[umol/L] ≤110 ①	110-170 ①	171-299 ②	300-440 or <500mL/day ③	> 204 or <200 mL/day ④		
RIFLE SCORE (mandatory)							
Category	GLOMERULAR FILTRATION RATE CRITERIA			Urine Output Criteria			
No dysfunction	Within normal range ①			Within normal range ①			
Risk	Increased creatinine x1.5 or GFR decrease > 25% ①			< 0.5ml/kg/h x 6 hr ①			
Injury	Increased creatinine x2 or GFR decrease > 50% ②			< 0.5ml/kg/h x 12 hr ②			
Failure	Increase creatinine x3 or GFR decrease > 75% ③			< 0.3ml/kg/h x 24 hr or Anuria x 12 hrs ③			
Loss	Complete loss of kidney function > 4 weeks ④			Complete loss of kidney function > 4 weeks ④			
END STAGE RENAL DISEASE	End Stage Kidney Disease (> 3 months) ⑤			End Stage Kidney Disease (> 3 months) ⑤			
Renal replacement therapy <input type="checkbox"/>							
LUNG INJURY SCORE (at least one of the following scores)							
Alveolar consolidation	None ①	One quadrant ①	Two quadrants ②	Three quadrants ③	Four quadrants ④		
Hypoxemia score (PaO ₂ /FiO ₂)	≥ 330 ①	225 - 299 ①	175 - 224 ②	100 - 174 ③	< 100 ④		
PEEP score (cmH ₂ O)	≤ 5 ①	6 - 8 ①	9 - 11 ②	12 - 14 ③	≥ 15 ④		
Lung compliance (mL/cmH ₂ O)	≥ 80 ①	60 - 79 ①	40 - 59 ②	20 - 39 ③	≤ 19 ④		

T72H

Patients ID	
Collection date	
Collection hour	

BIOMARKERS (optional)

Endotoxin Activity	TNF-α [pg/mL]	NGAL [ng/mL]	Presepsin [pg/mL]
Procalcitonin [ng/mL]	IL-1 [pg/mL]	BNP [ng/mL]	IL-6 [pg/mL]

GLASGOW COMA SCORE (mandatory)

Eyes Open	spontaneous ④	to speech ③	to pain ②	absent ①		
Verbal response	oriented ⑤	disoriented ④	inappropriate ③	incomprehensible ②	absent ①	
Motor response to pain	obeys ⑥	localizes pain ⑤	withdraws (flexion) ④	Abnormal flexion ③	Abnormal extension ②	absent ①

SOFA SCORE (mandatory)

Respiration (PaO₂/FiO₂)	≥400 ④	< 400 (with or without respiratory support) ①	< 300 (with or without respiratory support) ②	< 200 (with respiratory support) ③	< 100 (with respiratory support) ④	
Coagulation (Platelets) [10³/mm³]	≥150 ④	< 150 ①	< 100 ②	< 50 ③	< 20 ④	
Cardiovascular (MAP and vasopressors)	No hypotension ④	MAP < 70 mmHg ①	Dopa < = 5 or Dobutamine ②	Dopa > 5 or Epi/Norepi ≤ 0.1 ③	Dopa > 15 or Epi/Norepi > 0.1 ④	
	MAP [mmHg] _____	Epinephrine [µg/kg/min] _____	Vasopressin [UI/h] _____			
	Norepinephrine [µg/kg/min] _____	Dobutamine [µg/kg/min] _____	Dopamine [µg/kg/min] _____			
	Corticosteroids <input type="checkbox"/>					
Glasgow Coma Score	13 - 14 ①	10 - 12 ②	6 - 9 ③	< 6 ④		
Liver (bilirubin)	[mg/dL]	≤1.2 ④	1.2 - 1.9 ①	2.0 - 5.9 ②	6.0 - 11.9 ③	> 12 ④
	[umol/L]	≤20 ④	20 - 32 ①	33 - 101 ②	102 - 204 ③	> 204 ④
Renal (creatinine or urine output)	[mg/dL]	≤1.2 ④	1.2 - 1.9 ①	2.0 - 3.4 ③	3.5-4.9 or <500mL/day ③	> 5 or <200mL/day ④
	[umol/L]	≤110 ④	110-170 ①	171-299 ②	300-440 or <500mL/day ③	> 204 or <200 mL/day ④

RIFLE SCORE (mandatory)

Category	GLOMERULAR FILTRATION RATE CRITERIA		Urine Output Criteria	
No dysfunction	Within normal range ④	OR	Within normal range ④	
Risk	Increased creatinine x1.5 or GFR decrease > 25% ①	OR	< 0.5ml/kg/h x 6 hr ①	
Injury	Increased creatinine x2 or GFR decrease > 50% ②	OR	< 0.5ml/kg/h x 12 hr ②	
Failure	Increase creatinine x3 or GFR decrease > 75% ③	OR	< 0.3ml/kg/h x 24 hr or Anuria x 12 hrs ③	
Loss	Complete loss of kidney function > 4 weeks ④	OR	Complete loss of kidney function > 4 weeks ④	
END STAGE RENAL DISEASE	End Stage Kidney Disease (> 3 months) ⑤	OR	End Stage Kidney Disease (> 3 months) ⑤	
Renal replacement therapy	<input type="checkbox"/>			

LUNG INJURY SCORE (at least one of the following scores)

Alveolar consolidation	None ④	One quadrant ①	Two quadrants ②	Three quadrants ③	Four quadrants ④
Hypoxemia score (PaO₂/FiO₂)	≥ 330 ④	225 - 299 ①	175 - 224 ②	100 - 174 ③	< 100 ④
PEEP score (cmH₂O)	≤ 5 ④	6 - 8 ①	9 - 11 ②	12 - 14 ③	≥ 15 ④
Lung compliance (mL/cmH₂O)	≥ 80 ④	60 - 79 ①	40 - 59 ②	20 - 39 ③	≤ 19 ④

T96H

Patients ID							
Collection date							
Collection hour							
BIOMARKERS (optional)							
Endotoxin Activity	TNF- α [pg/mL]	NGAL [ng/mL]	Presepsin [pg/mL]				
Procalcitonin [ng/mL]	IL-1 [pg/mL]	BNP [ng/mL]	IL-6 [pg/mL]				
GLASGOW COMA SCORE (mandatory)							
<i>Eyes Open</i>	spontaneous ④	to speech ③	to pain ②	absent ①			
<i>Verbal response</i>	oriented ⑤	disoriented ④	inappropriate ③	incomprehensible ②	absent ①		
<i>Motor response to pain</i>	obeys ⑥	localizes pain ⑤	withdraws (flexion) ④	Abnormal flexion ③	Abnormal extension ②	absent ①	
SOFA SCORE (mandatory)							
Respiration (PaO ₂ /FiO ₂)	≥ 400 ①	< 400 (with or without respiratory support) ①	< 300 (with or without respiratory support) ②	< 200 (with respiratory support) ③	< 100 (with respiratory support) ④		
Coagulation (Platelets) [10 ³ /mm ³]	≥ 150 ①	< 150 ①	< 100 ②	< 50 ③	< 20 ④		
Cardiovascular (MAP and vasopressors)	No hypotension ①	MAP < 70 mmHg ①	Dopa < = 5 or Dobutamine ②	Dopa > 5 or Epi/Norepi \leq 0.1 ③	Dopa > 15 or Epi/Norepi > 0.1 ④		
	MAP [mmHg] _____	Epinephrine [μ g/kg/min] _____	Vasopressin [UI/h] _____				
	Norepinephrine [μ g/kg/min] _____	Dobutamine [μ g/kg/min] _____	Dopamine [μ g/kg/min] _____				
	Corticosteroids <input type="checkbox"/>						
Glasgow Coma Score	13 - 14 ①	10 - 12 ②	6 - 9 ③	< 6 ④			
Liver (bilirubin)	[mg/dL] ≤ 1.2 ①	1.2 - 1.9 ①	2.0 - 5.9 ②	6.0 - 11.9 ③	> 12 ④		
	[umol/L] ≤ 20 ①	20 - 32 ①	33 - 101 ②	102 - 204 ③	> 204 ④		
Renal (creatinine or urine output)	[mg/dL] ≤ 1.2 ①	1.2 - 1.9 ①	2.0 - 3.4 ③	3.5-4.9 or <500mL/day ③	> 5 or <200mL/day ④		
	[umol/L] ≤ 110 ①	110-170 ①	171-299 ②	300-440 or <500mL/day ③	> 204 or <200 mL/day ④		
RIFLE SCORE (mandatory)							
Category	GLOMERULAR FILTRATION RATE CRITERIA			Urine Output Criteria			
No dysfunction	Within normal range ①			OR	Within normal range ①		
Risk	Increased creatinine x1.5 or GFR decrease > 25% ①			OR	< 0.5ml/kg/h x 6 hr ①		
Injury	Increased creatinine x2 or GFR decrease > 50% ②			OR	< 0.5ml/kg/h x 12 hr ②		
Failure	Increase creatinine x3 or GFR decrease > 75% ③			OR	< 0.3ml/kg/h x 24 hr or Anuria x 12 hrs ③		
Loss	Complete loss of kidney function > 4 weeks ④			OR	Complete loss of kidney function > 4 weeks ④		
END STAGE RENAL DISEASE	End Stage Kidney Disease (> 3 months) ⑤			OR	End Stage Kidney Disease (> 3 months) ⑤		
Renal replacement therapy <input type="checkbox"/>							
LUNG INJURY SCORE (at least one of the following scores)							
Alveolar consolidation	None ①	One quadrant ①	Two quadrants ②	Three quadrants ③	Four quadrants ④		
Hypoxemia score (PaO ₂ /FiO ₂)	≥ 330 ①	225 - 299 ①	175 - 224 ②	100 - 174 ③	< 100 ④		
PEEP score (cmH ₂ O)	≤ 5 ①	6 - 8 ①	9 - 11 ②	12 - 14 ③	≥ 15 ④		
Lung compliance (mL/cmH ₂ O)	≥ 80 ①	60 - 79 ①	40 - 59 ②	20 - 39 ③	≤ 19 ④		

T120H

Patients ID							
Collection date							
Collection hour							
BIOMARKERS (optional)							
Endotoxin Activity	TNF-α [pg/mL]	NGAL [ng/mL]	Presepsin [pg/mL]				
Procalcitonin [ng/mL]	IL-1 [pg/mL]	BNP [ng/mL]	IL-6 [pg/mL]				
GLASGOW COMA SCORE (mandatory)							
<i>Eyes Open</i>	spontaneous ④	to speech ③	to pain ②	absent ①			
<i>Verbal response</i>	oriented ⑤	disoriented ④	inappropriate ③	incomprehensible ②	absent ①		
<i>Motor response to pain</i>	obeys ⑥	localizes pain ⑤	withdraws (flexion) ④	Abnormal flexion ③	Abnormal extension ②	absent ①	
SOFA SCORE (mandatory)							
Respiration (PaO ₂ /FiO ₂)	≥400 ④	< 400 (with or without respiratory support) ①	< 300 (with or without respiratory support) ②	< 200 (with respiratory support) ③	< 100 (with respiratory support) ④		
Coagulation (Platelets) [10 ³ /mm ³]	≥150 ④	< 150 ①	< 100 ②	< 50 ③	< 20 ④		
Cardiovascular (MAP and vasopressors)	No hypotension ④	MAP < 70 mmHg ①	Dopa < = 5 or Dobutamine ②	Dopa > 5 or Epi/Norepi ≤ 0.1 ③	Dopa > 15 or Epi/Norepi > 0.1 ④		
	MAP [mmHg] _____	Epinephrine [µg/kg/min] _____	Vasopressin [UI/h] _____				
	Norepinephrine [µg/kg/min] _____	Dobutamine [µg/kg/min] _____	Dopamine [µg/kg/min] _____				
	Corticosteroids <input type="checkbox"/>						
Glasgow Coma Score	13 - 14 ①	10 - 12 ②	6 - 9 ③	< 6 ④			
Liver (bilirubin)	[mg/dL] ≤1.2 ④	1.2 - 1.9 ①	2.0 - 5.9 ②	6.0 - 11.9 ③	> 12 ④		
	[umol/L] ≤20 ④	20 - 32 ①	33 - 101 ②	102 - 204 ③	> 204 ④		
Renal (creatinine or urine output)	[mg/dL] ≤1.2 ④	1.2 - 1.9 ①	2.0 - 3.4 ③	3.5-4.9 or <500mL/day ③	> 5 or <200mL/day ④		
	[umol/L] ≤110 ④	110-170 ①	171-299 ②	300-440 or <500mL/day ③	> 204 or <200 mL/day ④		
RIFLE SCORE (mandatory)							
Category	GLOMERULAR FILTRATION RATE CRITERIA			Urine Output Criteria			
No dysfunction	Within normal range ④			OR	Within normal range ④		
Risk	Increased creatinine x1.5 or GFR decrease > 25% ①			OR	< 0.5ml/kg/h x 6 hr ①		
Injury	Increased creatinine x2 or GFR decrease > 50% ②			OR	< 0.5ml/kg/h x 12 hr ②		
Failure	Increase creatinine x3 or GFR decrease > 75% ③			OR	< 0.3ml/kg/h x 24 hr or Anuria x 12 hrs ③		
Loss	Complete loss of kidney function > 4 weeks ④			OR	Complete loss of kidney function > 4 weeks ④		
END STAGE RENAL DISEASE	End Stage Kidney Disease (> 3 months) ⑤			OR	End Stage Kidney Disease (> 3 months) ⑤		
Renal replacement therapy <input type="checkbox"/>							
LUNG INJURY SCORE (at least one of the following scores)							
Alveolar consolidation	None ④	One quadrant ①	Two quadrants ②	Three quadrants ③	Four quadrants ④		
Hypoxemia score (PaO ₂ /FiO ₂)	≥ 330 ④	225 - 299 ①	175 - 224 ②	100 - 174 ③	< 100 ④		
PEEP score (cmH ₂ O)	≤ 5 ④	6 - 8 ①	9 - 11 ②	12 - 14 ③	≥ 15 ④		
Lung compliance (mL/cmH ₂ O)	≥ 80 ④	60 - 79 ①	40 - 59 ②	20 - 39 ③	≤ 19 ④		

OUTCOME

Patients ID
Collection date
Collection hour

EXTRACORPOREAL SUPPORTS (from diagnosis to discharge)

ECCO2-R support days from diagnosis to discharge		
ECMO days from diagnosis to discharge		
Hemodialysis from diagnosis to discharge		
Extracorporeal cytokine removal days from diagnosis to discharge		
Renal replacement treatment (CRRT)	CRRT days _____ CRRT start date _____	CRRT indication Renal <input type="checkbox"/> Septic shock <input type="checkbox"/> Fluid control <input type="checkbox"/> Other <input type="checkbox"/>
MV days from diagnosis to discharge		
NIV days from diagnosis to discharge		
Spontaneous breathing days from diagnosis to discharge		
Vasopressor requirement days from diagnosis to discharge		

SURGICAL RE-INTERVENTIONS (from diagnosis to discharge)

New surgical interventions from diagnosis to discharge	Yes <input type="checkbox"/> No <input type="checkbox"/>
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OUTCOME VARIABLES (from diagnosis to discharge)

ICU length of stay	
ICU discharge status	
Hospital length of stay	
Hospital discharge status	

Microbiology 1

Specimen (tick one)	Results	Antibiotics
Blood <input type="checkbox"/>	No growth <input type="checkbox"/>	
Urine <input type="checkbox"/>	Gram Positive <input type="checkbox"/>	
BAL <input type="checkbox"/>	Gram Negative <input type="checkbox"/>	
Other <input type="checkbox"/>	Fungi <input type="checkbox"/>	

Microbiology 2

Specimen (tick one)	Results	Antibiotics
Blood <input type="checkbox"/>	No growth <input type="checkbox"/>	
Urine <input type="checkbox"/>	Gram Positive <input type="checkbox"/>	
BAL <input type="checkbox"/>	Gram Negative <input type="checkbox"/>	
Other <input type="checkbox"/>	Fungi <input type="checkbox"/>	

Microbiology 3

Specimen (tick one)	Results	Antibiotics
Blood <input type="checkbox"/>	No growth <input type="checkbox"/>	
Urine <input type="checkbox"/>	Gram Positive <input type="checkbox"/>	
BAL <input type="checkbox"/>	Gram Negative <input type="checkbox"/>	
Other <input type="checkbox"/>	Fungi <input type="checkbox"/>	

Microbiology 4

Specimen (tick one)	Results	Antibiotics
Blood <input type="checkbox"/>	No growth <input type="checkbox"/>	
Urine <input type="checkbox"/>	Gram Positive <input type="checkbox"/>	
BAL <input type="checkbox"/>	Gram Negative <input type="checkbox"/>	
Other <input type="checkbox"/>	Fungi <input type="checkbox"/>	