

## I. Appendix

**Appendix Table 1.** Data Extraction Tool.

Identification		
Code number:	Contact number:	
Gender:	(1) MALE	(0) FEMALE
Anthropometrics		
Age (years)	Body surface area (m <sup>3</sup> )	
Weight (kg)	Initial temperature (°C)	
Height (cm)		
Risk factors		
Hypertension	(1) YES (0) NO	Dyslipidemia (1) YES (0) NO
Diabetes mellitus	(1) YES (0) NO	Family History (1) YES (0) NO
Smoking history	(1) YES (0) NO	IHD (1) YES (0) NO
Echo Parameters (pre-op)		
LVEF (%; Simpson's method)	LAVI (mL/BSA)	
LVEDD	RVFAC (%)	
Diagnosis		
Type of Surgery		
Details		
(1) Stable CAD	(1) CABG On-pump	
(2) Valvular heart disease	(2) CABG Off-pump	
(3) Congenital heart disease	(3) Valvular hear disease	
(4) Vascular/aortic disease	(4) Congenital surgery	
	(5) Vascular/aortic surgery	
Hemodynamic drug use		
( ) Noradrenaline	( ) Dobutamine	( ) Nicardipine
( ) Epinephrine	( ) Milrinone	( ) Nitroglycerine (NTG)
Duration of surgery		
Total OR time (min)	AXC time (min)	
CPB time (min)		
Fluid balance and status		
Initial urine output (mL)	Total IVF infused by perfusionist (mL)	
Initial blood output (chest-tube) (mL)	Total IVF intake during MV	
Hemofiltration done at OR (mL)	Total IVF intake during 24 hrs (mL)	
Blood transfusion (# of units)	Total IVF intake during 48 hours (mL)	
	Cumulative fluid balance (ICU)	
Hemodynamic parameters		
Before fluid resuscitation		
After fluid resuscitation		
Cardiac rate (bpm)		
SBP (mmHg)		
DBP (mmHg)		
MAP (mmHg)		
CO (L/min)		
CI (L/min/m <sup>2</sup> )		
SV (mL/beat)		
SV Index (mL/BSA)		
SVR (Dynes□sec□cm <sup>-5</sup> )		
SVR Index (Dynes□sec□cm <sup>-5</sup> /m <sup>2</sup> )		
CVP (mmHg)		
PAOP (mmHg)		
PASP (mmHg)		
PADP (mmHg)		
PPV (%)		
Fick COCI		
ABG no. 1		CO
		CI
		SV

MVBG	SVR
	SVO2
	PCO2 gap
	PF ratio (1)
ABG no. 2	PF ratio (2)
ABG no. 3	PF ratio (3)
<b>Fluid responder status</b>	
Responder	(1) YES (2) NO
Non-responder	(1) YES (2) NO
<b>Outcomes</b>	
Date/Time admitted	
Date/Time extubated	
PMV	(1) YES (2) NO
Date/Time transferred	
PICULOS	(1) YES (2) NO
Date/Time discharged	
PLOS	(1) YES (2) NO
<b>Volume-related complications:</b>	
Edema	(1) YES (2) NO
Congestion	(1) YES (2) NO
AKI	(1) YES (2) NO
Pneumonia	(1) YES (2) NO
<b>Mortality:</b>	
In-hospital mortality	(1) YES (2) NO
30-day mortality	(1) YES (2) NO