

Supplemental Material 1. Definitions and normal values of ICG parameters

ICG Parameters	Definition	Lower Limit	Upper Limit
Cardiac index (l/min/m ²)	The blood volume, which the heart pumps during one minute related to the body surface.	2.5	4.7
Stroke index (ml/m ²)	Volume of blood pumped from one ventricle of the heart with each beat and related to the body surface.	35	65
Mean arterial pressure (mmHg)	The average arterial pressure during a single cardiac cycle.	70	105
Pulse pressure (mmHg)	The difference between systolic and diastolic blood pressure.	30	60
Heart Rate (l/min)	Number of times heart beats per minute.	58	86
Total arterial compliance index (ml/mmHg/m ²)	A value for the distensibility/stiffness of the arterial vascular system and related to the body surface area.	0.7	1.4
Systemic vascular resistance index (dyn.s.cm ⁻⁵ .m ²)	The expression for the total vascular resistance the heart works against and related to the body surface area.	1680	2580
Velocity index (1/1000/s)	Equivalent to the normalised amplitude of the systolic wave in the ICG.	33	65
Acceleration index (1/100/s ²)	It is equivalent to the maximum acceleration of blood flow in the aorta.	♂: 70 ♀: 90	♂: 150 ♀: 170
Systolic time ratio	The division between the pre-ejection period and the left ventricular ejection time.	0.3	0.5

Left ventricular ejection time (ms)	The duration of the mechanical systole.	200	300
Left cardiac work index (kg.m/m ²)	An expression for the work of the heart and related to the body surface area.	3.0	5.5
O/C ratio	The O/C-ratio is inversely proportional to the pulmonary arterial wedge pressure.		<30%
Thoracic fluid content index (1/KOhm/m ²)	An expression of the fluid level and may indicate thoracic oedema or estimate the hydration state of the patient.	♂: 30/SC ♀: 21/SC	♂: 50/SC ♀: 37/SC

SC= Surface Corporeal