

# PiCCO Module

Less invasive advanced haemodynamic monitoring

*Mindray PiCCO Module is designed to work with BeneView patient monitor for continuous cardiac output monitoring by using a central venous catheter and an axillary or femoral artery catheter. The PiCCO-Technology is a unique combination of transpulmonary thermodilution measurement and pulse contour analysis for advanced haemodynamic and volumetric management.*



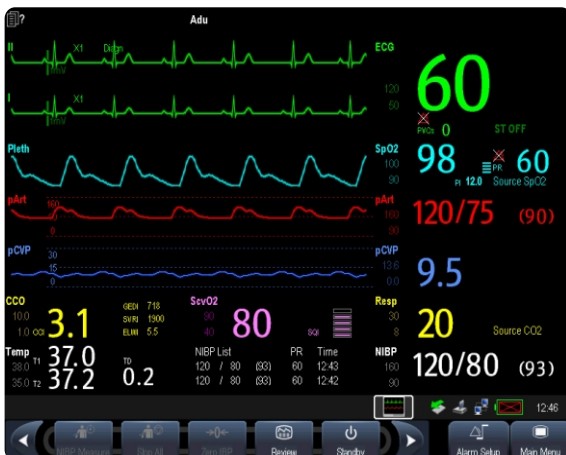
## More information at bedside for right decision-making

The following parameters are derived by the PiCCO-Technology, analyzing the artery pressure curve beat by beat. The parameters can alternatively be displayed as absolute parameters or indexed to the patient's body characteristics.

- Continuous Cardiac Output CCO(CCI)
- Stroke Volume SV (SVI)
- Systemic Vascular Resistance SVR (SVRI)
- Cardiac Power Output CPO (CPI)
- Stroke Volume Variation SVV
- Pulse Pressure Variation PPV
- Left Ventricular Contractility dPmx
- Heart Rate HR
- Mean Arterial Blood Pressure pArt-M
- Systolic Arterial Blood Pressure pArt-S
- Diastolic Arterial Blood Pressure pArt-D
- Central Venous Pressure CVP

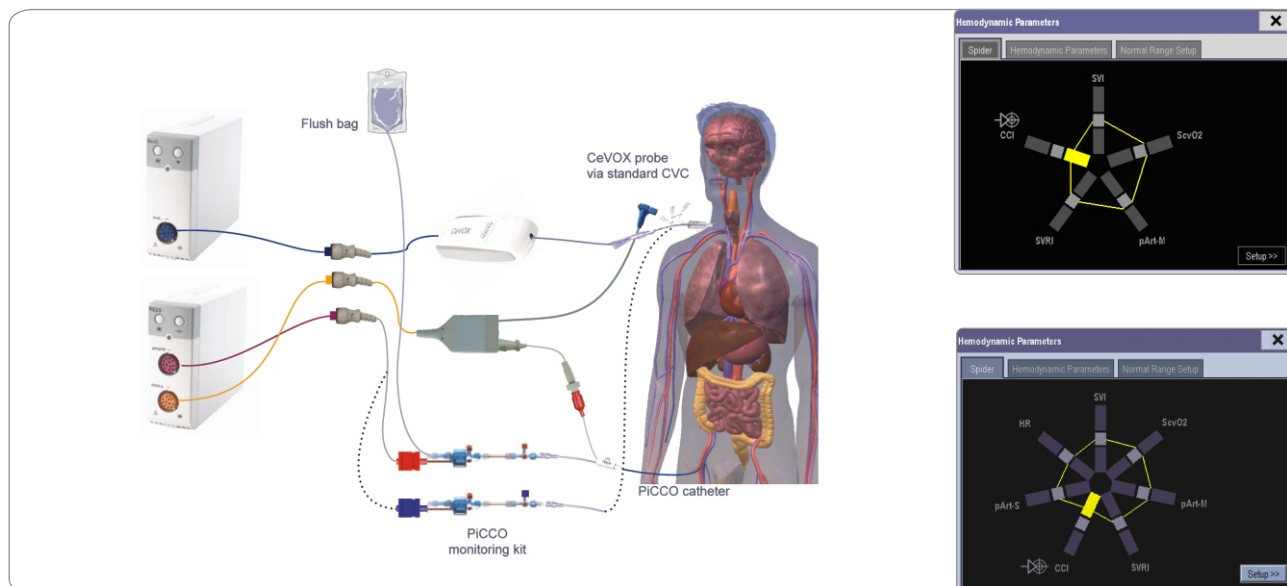
The following parameters are provided via intermittent transpulmonary thermodilution.

- Cardiac Output C.O.(C.I.)
- Global End-Diastolic Volume GEDV (GEDI)
- Extravascular Lung Water EVLW (ELWI)
- Global Ejection Fraction GEF
- Pulmonary Vascular Permeability Index PVPI
- Cardiac Function Index CFI
- Intrathoracic Blood Volume ITBV(ITBI)



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## The PiCCO-Technology advantages

Less Invasive	<p>Only central venous and arterial access required</p> <p>No pulmonary artery catheter required</p> <p>Also applicable in small children</p>
Short Set-up Time	Can be installed within minutes
Dynamic, Continuous Measurement	Cardiac Output, Afterload and Volume Responsiveness are measured Beat by Beat
No Chest X-ray	To confirm correct catheter position
Cost effective	<p>Less expensive than continuous pulmonary artery catheter</p> <p>Arterial PiCCO catheter can be in place for 10 days or more</p> <p>Potential to reduce ICU stay and costs</p>
More Specific Parameters	PiCCO parameters are easy to use and interpret even for less experienced caregivers
Extravascular Lung Water	Lung edema can be excluded or quantified at the bed-side

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