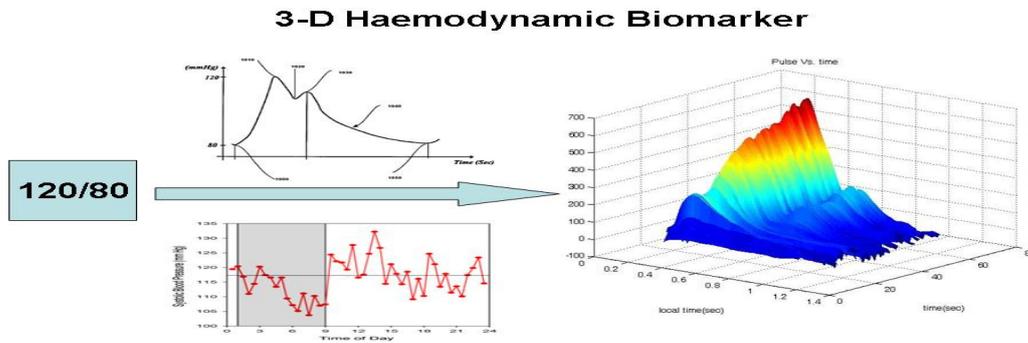


BP Cardio-Gram - New concept of BP

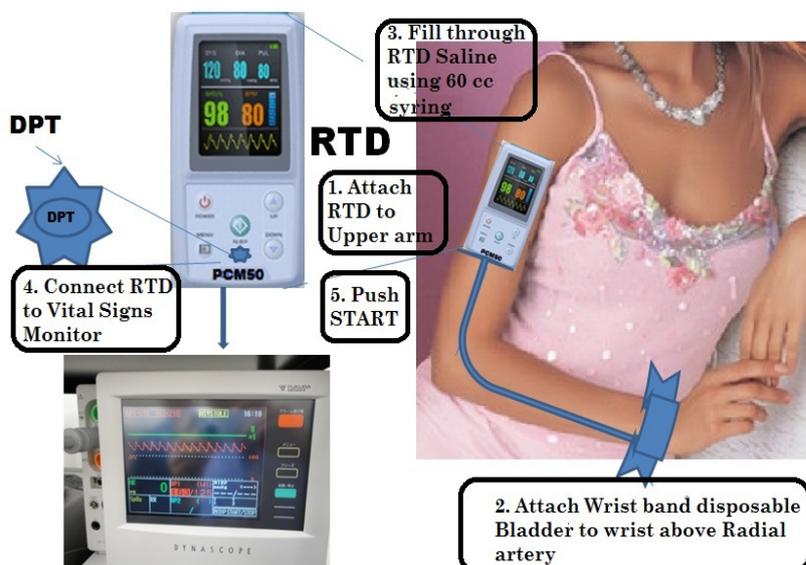
More than 100 years BP is treated as a pair of 2 numbers – Systolic/Diastolic, while ECG is a continuous signal. We propose to use the BPCG as essential complimentary to ECG: use both ECG signal and the BPCG signal.



From number-pair to 3-D representation of the Cardio-Vascular Haemodynamics

Today, it is done only in critical care on vital signs monitor, using A-Line. We offer to use Non-Invasive BPCG for every patient whenever we record ECG or NIBP.

PCM50 - Personal Cardiovascular Monitor



The PCM50 (Personal Cardiovascular Monitor) is the first wearable device in the market that measures Continuous Non-Invasive Blood Pressure (BPCG).

It can transmit to a central server or any doctor/nurse approaching the patient. PCM50 is integrated with SpO₂ (and optionally ECG) continuous monitoring.

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What is PCM-50?

PCM50 measures Continuous NIBP in a safe, accurate and efficient way. With a price tag similar to existing BP Monitor, it allows to perform constant monitoring of BP in any patient admitted to the hospital, enabling early diagnosis of shock/malignant hypertension as well as any clinically significant trend.

Since it is not invasive and it uses a low bladder pressure (10-30 mmHg on radial artery), it is comfortable enough to be used for a long period.

Suggested Clinical applications:

OR in operations where A-Line is not used, 24h monitoring for Septic shock, Dialysis, post operation, stress test, ABPM, Together with ECG, diagnosis of Hypertension, for antihypertensive drug prescription.

Essential hemodynamic information

The PCM-50 can use the BP pulse waveform analysis to compute Cardiac Output, Central BP, Augmentation Index, PWV and other hemodynamic parameters needed for detecting any trend of deterioration in cardiovascular health. The BP measurement is more accurate than NIBP, especially for Children and Obese patients.

Feature	NIBP	A-Line	PCM-50
Invasiveness	✓	X	✓
Continuous	X	✓	✓
Low Clinical risks	✓	X	✓
Patient Comfort	Moderate	Low	High
Measurement period	1 time	96 Hours	Unlimited
Cost	\$3,000	\$30/s	\$10/s
Smartphone application	X	X	✓
Connectivity to Web	X	X	✓

Benefits

- ✓ Allows continuous NIBP monitoring
- ✓ Disposable wrist band
- ✓ High patient comfort
- ✓ Provides essential Hemodynamic info.
- ✓ Integrated with SpO₂
- ✓ Low clinical risk
- ✓ Provide trend alarms
- ✓ Cellular application
- ✓ Best cost effective solution

Be Part of the BP revolution!

As a doctor or scientist that is expert in BP, you can be a pioneer in bringing the BPCG into the research and clinical practice:

1. Please, write to me (ehud@x-cardio.com) any suggestion you may have for application of the BPCG in your research, hospital or clinic.
2. Please suggest what hemodynamic parameters you consider as most valuable.
3. Please register with us (e-mail) to participate in the BPCG Pioneers Group to help in suggesting standards, share data and get **PCM-50 with 50% discount!**

**Warning: PCM50 is currently exempted Investigational device.
FDA/CE clearance expected in 2011**

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