Pulsewave Blood Pressure Monitor for Kids RBP-1200

Clinically Tested
AAMI Protocol

Invention Patent | Designed for Kids specially | Data Storage | USB for data transfer | Permanent Power Supply | Dual Airbags/ Tubes/Sensors

- **Unique**. The unique BPM device exclusively developed for children, clinical tests executed on children aged 3-12 years according to the Association for the Advancement of Medical Instrumentation (AAMI) protocol.
- **Advanced.** Global innovative PulseWave technology. Record of accurate real state of blood flow. Over 40 countries invention patent applied.
- **Reliable.** Top experts recommended this device for clinical use, ±2mmHg high accuracy. Avoid the measurement error caused by human intervention.
- **Focused**. Cartoon appearance attracts children to take the measurements. Reduce Children's Resistance, relieve children's tension.
- **Free.** One button automatic measurement.
- **Convenient.** Support more than 300 times of measurement upon full charging. Large storage of 200 sets data.
- **DualCuff**. Unique DualCuff ensure outstanding accurate result.
- **Data transfer.** Support USB to transfer data, more convenient for blood pressure management.

Model	Function									Configuration			
	Display	Multi-user	Memory Storage	Pressure	Pulse rate	System time	Voice	Communication USB	Communication Bluetooth	Ac adaptor	Power	Printer	Cuff Size
RBP-1200	Black & white screen	1	200	√	√	√	√	1	/	1	DC 3.7V(Li batteries)	/	15~22cm (5S.S)

Accuracy validation according to the AAMI protocol

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Validation of the Raycome RBP-1200 upper-arm pulse wave device in children aged 3-12 years according to the Association for the Advancement of Medical Instrumentation protocol

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Objective To validate the accuracy of Raycome RBP-1200 used for blood pressure (BP) measurements in Chinese children aged 3-12 years according to the Association for the Advancement of Medical Instrumentation (AAMI)/International Organization for Standardization 81060-2:2013(E) protocol.

Methods A prospective observational study was carried out using 'the same arm sequential method' as described in the AAMI protocol. Eighty-seven children participated in this examination and 255 paired-determinations were analyzed.

Results The BP difference between the RBP-1200 and the mercury sphygmomanometer device was -0.9± 5.3 mmHg for systolic BP and −1.1± 5.0 mmHg for diastolic BP, which were within the range of ± 5± 8 mmHg as required by criterion 1 of the AAMI protocol. The SD of the averaged difference for each participant was 4.1 mmHg for systolic BP and 3.9 mmHg for diastolic BP, which were also within the requirement of criterion 2 of the AAMI protocol.

Conclusion The Raycome RBP-1200 device fulfills the requirements of the AAMI protocol and it can be recommended for BP measurements in Chinese children aged 3-12 years with low or normal BP values. Blood Press Monit 22:40-43

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Clinically Validated by Authoritative Organization

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Department of Epidemiology, School of Public Health, Shandong University

CLINICAL STUDY

Validation of the Raycome RBP-1200 upper-arm pulse wave device in children aged 3–12 years according to the Association for the Advancement of Medical Instrumentation protocol. 〔J〕Blood Pressure Monitoring 2017, 22(1),40-43.