

Max Pulse

ANS Function & Blood Circulation Assessment



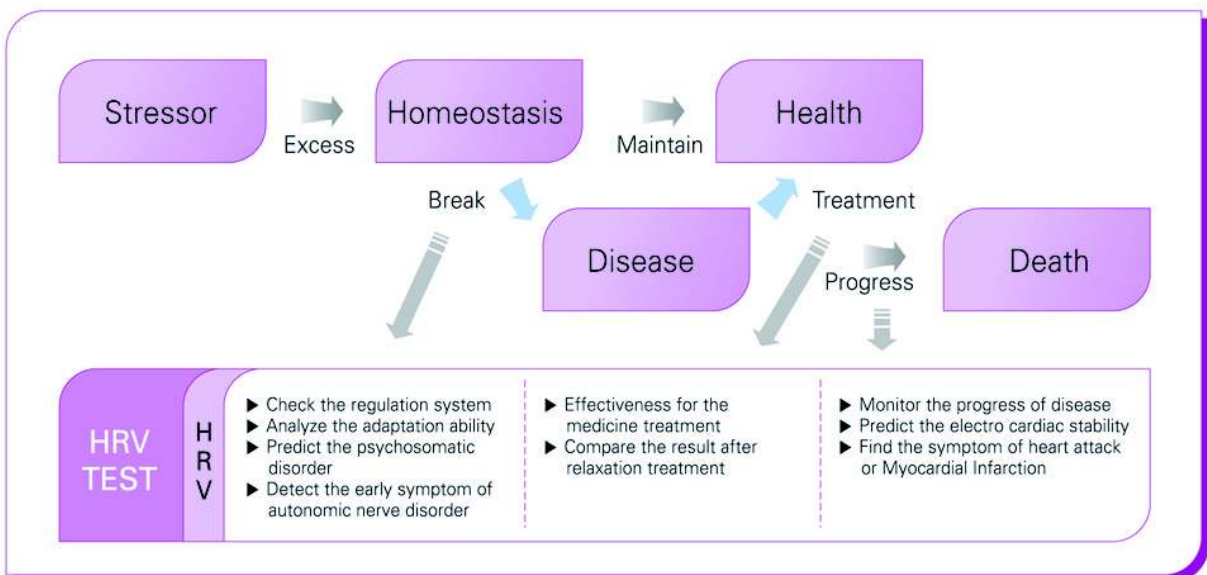
Heart Rate Variability [HRV]

HRV test measures the overall health status and the autonomic nervous system function that is composed of sympathetic nerve system (SNS) and parasympathetic nerve system (PNS).

SNS plays a role of an accelerator in our body while PNS is functioning as a brake. If one of them is broken, it will be easier to get cardiovascular diseases as ANS is not balanced.

For the healthy people, HRV shows complicated and irregular heart rates while the unhealthy people have simple and regular heart rates.

Stress & Homeostasis



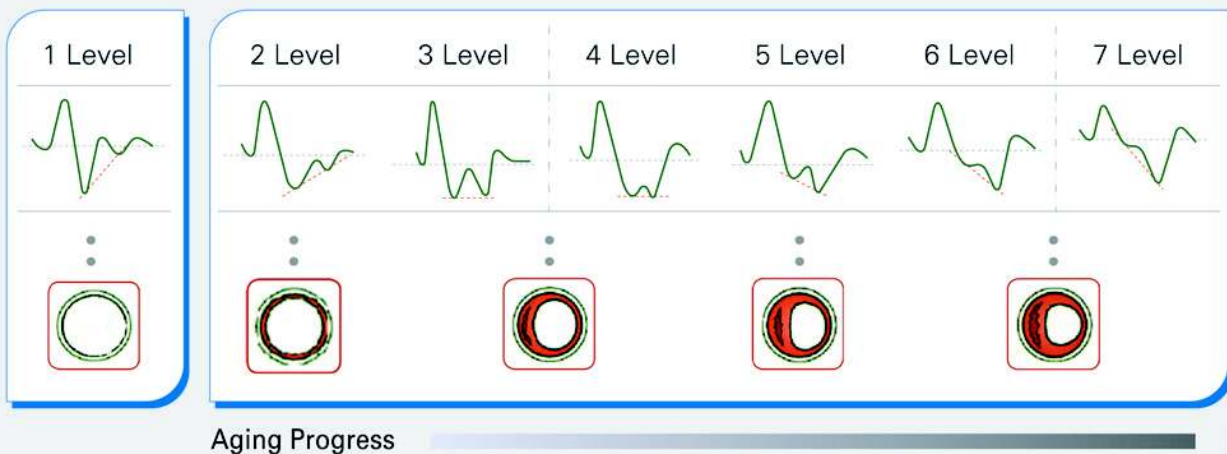
HRV analysis is based on the Sinus Rhythm so that it is very important to get clear signals. It is a valuable means to evaluate the general health status. Max pulse is in accordance with standard guidelines of task force team. We developed our own reference for Asians. The client can choose one of them which is "Asia" or "West" reference.

Accelerated Plethysmograph [APG]

APG test measures the blood circulation state and an aging level of blood vessel with the vascular elasticity and hardening through the signal at the finger tip.



Waveform Pattern According to the Vessel State



HRV + APG Clinical Applications

HRV as a predictable indicator of the cardiovascular disease (Autonomic Nerve Balance Test)

- Predict the cardiovascular disease
- Evaluate the autonomic nerve balance
- Predict the high risk factor with the stress status

+

APG as a predictable indicator of the peripheral disease (Peripheral Circulation Disorder Test)

- Peripheral nerve disorder
- Cardiovascular disease like myocardial infarction
- Endothelial dysfunction like arteriosclerosis

The client can choose one out of two different types



General Use



Medical Use

Result Report for General Use

- ▶ Select "Asia" or "West" reference
- ▶ Compact report on one page
- ▶ Easy to operate for anyone
- ▶ Blood circulation & Stress Level

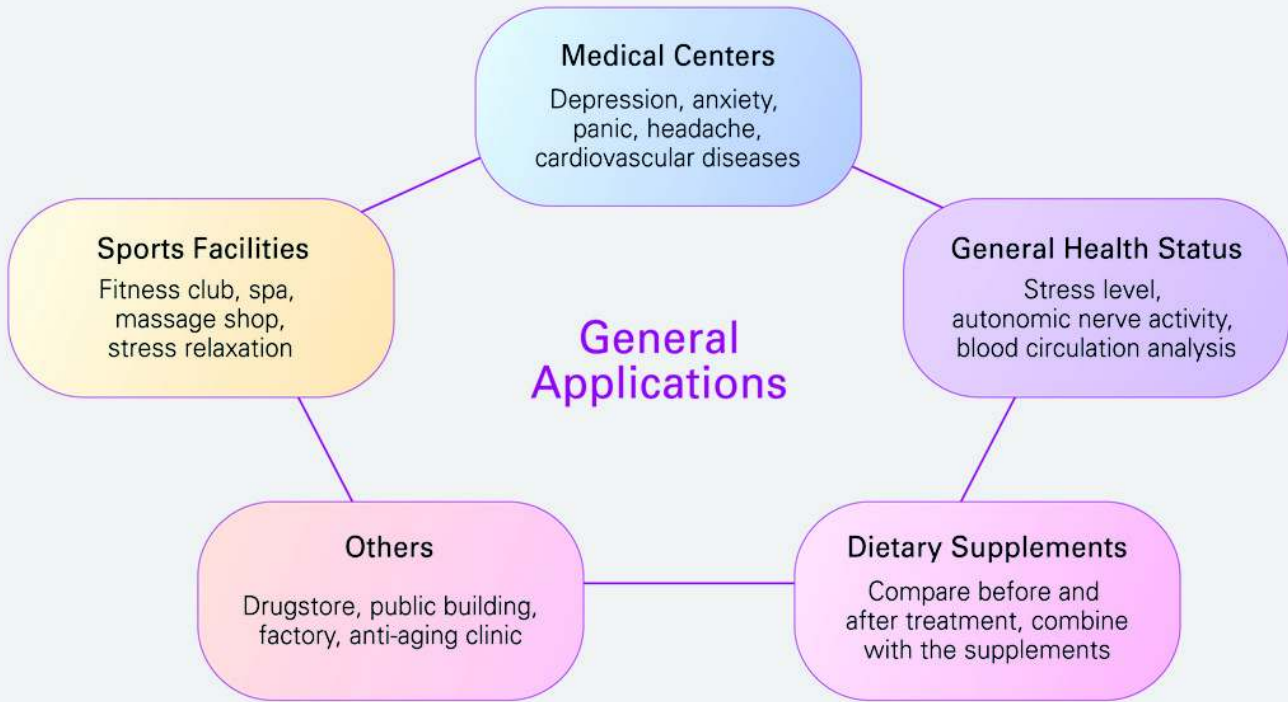


Result Report for Medical Use



We collected 3,600 cases from 8 university hospitals for 2 years to make our own reference in Korea. We acquired a patent and made HRV & APG clinical standards.





Main Features

- Simple and easy to connect with PC
- Carry on hands easily
- Quick result display
- Result paper supply
- Reasonable price but all functions included

Foreign Certificates



FDA



SFDA



CE





Specifications

Configuration

1. HRV + APG Module
2. PPG Probe
3. Power Adaptor
4. USB Interface
5. S/W CD

H/W Specification

- | | |
|------------------|--|
| 1. Power | 100~240VAC, 0.4A, 50~60Hz
Power Fail Protection |
| 2. Environment | Operation Temperature : 10~40°C (50~104° F) |
| 3. System | Built in Body / Power / finger probe
O/S : Window XP & Window Vista |
| 4. Dimension(mm) | 150(W) X 120(D)X 35(H) |
| 5. Weight | 650 g |

Performance

- | | |
|-------|---|
| 1. HR | Heart rate measurement range : 30~300bpm
Accuracy : ± 2 %
Input Signal Range : ± 0.05 ~5Mv peak |
|-------|---|

Functions

- | | |
|-------------|------------------------------|
| 1. Standard | HRV analyzer
APG analyzer |
|-------------|------------------------------|

