Peripheral Blood Circulation Test **APG Result Reading**

PERIPHERAL CIRCULATION REPORT

TEST TO EVALUATE THE AGING PROGRESS OF BLOOD VESSELS

ACCELERATED PHOTOPLETHYSMOGRAPH REPORT

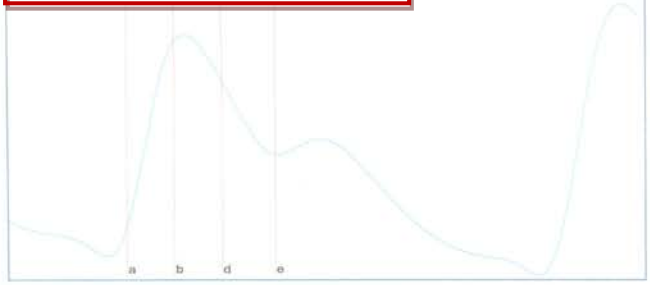
Name	U	Chart No.	1	Gender/Age	F / 17	Date	2005-05-03 11:43

Pulse Wave Analysis

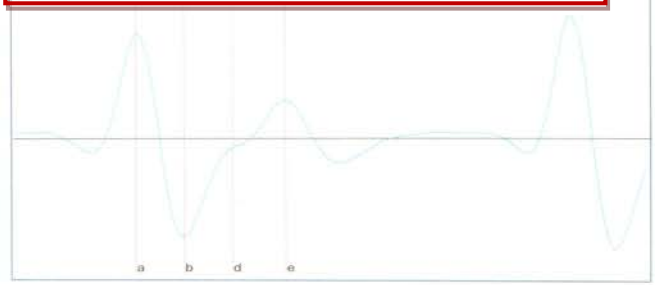
It is the early predictor of peripheral circulation disorder and age of blood vessels through the analysis of blood circulation. It also measures the vascular elasticity and stiffness with the signals from the fingertip.

Analysis of Pulse

Pulse Wave (Basic Waveform)



Accelerated Pulse Wave (Analyzed Waveform)



Analysis of Vascular Health

Mean Heart Rate(BPM):

75

Wave Type:

2 Level

<Level 1 Best ----- Level 7 Worst>

Level Analysis:

1 :	7.2%
2 :	92.8%
3 :	0.0%
4 :	0.0%
5 :	0.0%
6 :	0.0%
7 :	0.0%

Waveform Analysis

ITEM	MEASURED VALUE	SUB-OPTIMAL	NORMAL	OPTIMAL
(DPI) (Differential Pulse Wave Index)	-118.96			
EC (Eccentric Constriction)	-99.55			
AE (Arterial Elasticity)	-6.15			
RBV (Remaining Blood Volume)	-8.04			

Comment about your test results

Your vessel state and the blood circulation are in intermediate level. However, if you are not caring for the health management, it causes the blood circulation and the vessel state to go bad. Therefore you need to try to keep up the current state with the proper life tendency and regular physical exercise.

APG-E-Rev01

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Analysis of pulse

Pulse wave (Basic waveform) : it indicates the change of vascular volume capacity.

Accelerated Pulse Wave (Analyzed waveform): it means 2nd differentiated value of basic waveform.

Analysis of vascular health

- Mean Heart Rate : Normal range (60-90 bpm)
- Wave Type: it's classified from level 1 to level 7 of APG waveform, and major level is indicated.

  ex) In the % of "Level analysis"

  if Level 1: 10% & Level 2: 80% ➔ Wave type: level 2

  if Level 2: 70% & Level 3: 30% ➔ Wave type: level 2

  Interpretation Point) The worse one is level 2 included 30% of level 3 than same level 2 with 10% of level 1
- Level Analysis: it shows vascular level distribution by % for more accurate analysis of vascular aging index.

Waveform analysis

- DPI (Differential Pulse Wave Index): it is one of major index to show vascular aging and peripheral blood circulation status, and calculated as -b+c+d/a. The lower value (bigger – value) is better

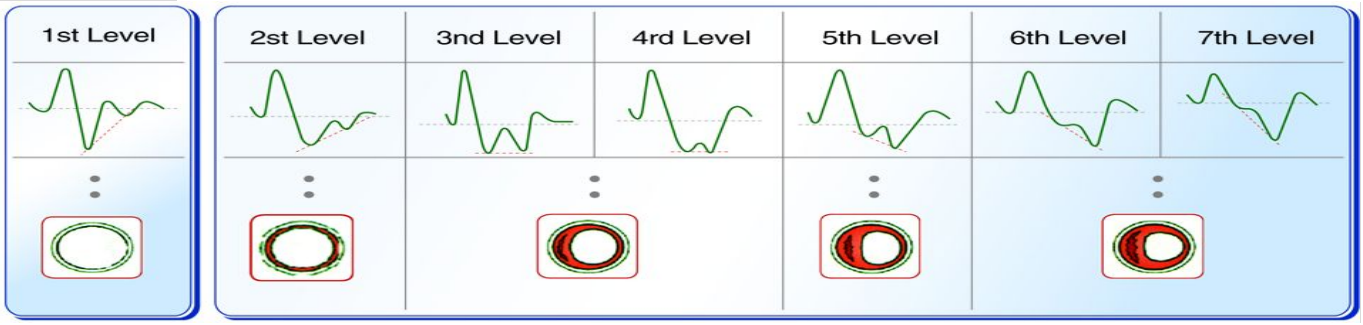
  Normal: normal vascular health, Sub-optimal: aging process in blood vessel, Optimal: Good vascular health
- EC(Eccentric constriction): It means cardiac constriction power. The lower value (bigger – value) is better.
- AE (arterial elasticity): it indicates stiffness of blood vessel. The bigger value is better.
- RBV(Remained Blood Volume): It means remaining blood volume inside left ventricle. The bigger value (lower – value) is better.

Getting aging of blood vessel, EC become weaker and RBV is bigger.

Comment:

Explanation for the result according to age and gender

Wave type



1st Level : Excellent blood circulation and vascular health

2nd Level : Pretty good blood circulation and vascular health

3rd~4th Level: Starting aging of blood vessel

5th Level : Bad blood circulation and already get aging of blood vessel

6~7th Level : High risk of blood circulation disorder