

Vascular Lab in a Small White Box

Non-Invasive, Fast, Easy, and Inexpensive

CARDIOVISION®

♥ Arterial Stiffness Index (ASI) Software Version 2.05

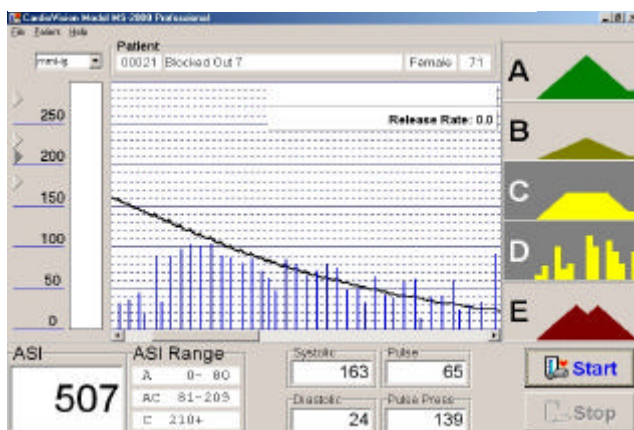
- The CardioVision MS-2000 Autovalve produces a brachial artery Arterial Stiffness Index (ASI) which correlates with the stiffness of the other arteries
- ASI strongly correlates with Carotid-femoral pulse wave velocity (PWV) which is considered to be one of the predictors of cardiovascular disease *
- Accurate oscillometric blood pressure, pulse pressure, arrhythmias, and missed heartbeats are measured
- A patient friendly Framingham Score Sheet is produced when lipid results are available

♥ Ankle Brachial Index (ABI) Software Version 3.0

- An oscillometric Ankle Brachial Index (ABI) which correlates well with doppler ultrasound is easily performed with specially designed ankle cuffs

* Masaharu Kaibe, Mitsuru Ohishi, Norio Komai, Norihisa Ito, Tomohiro Katsuya, Hiromi Rakugi and Toshio Ogihara, **Arterial stiffness index: A new evaluation for arterial stiffness in elderly patients with essential hypertension**, The Department of Geriatric Medicine, Osaka University Medical School, Osaka, Japan, Geriatrics and Gerontology International 2002; 2: 199-205

Pattern CD Indicates Arterial Stiffness and Arrhythmia



Authorized CardioVision Dealer

IMDP

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Tel: 702-450-0425 Fax: 702-450-0424 Web: www.imdp.com

A CardioVision ABI and Framingham Risk Printout

CardioVision MS-2000 Ankle Brachial Index (ABI)

Patient : 00010
Name : Akemi Rice
Sex : Female
Age : 42

Right Arm Systolic Pressure
126 mmHg

Right Ankle Systolic Pressure
133 mmHg (CV)

Left Arm Systolic Pressure
130 mmHg

Left Ankle Systolic Pressure
133 mmHg (CV)

Used in ABI calculation

Right ABI **1.02** Left ABI **1.02**

Blood Pressure & Arterial Stiffness Index(ASI) Strong Prediction (2028 - 2002/02/19 10:20)
 Systolic **120mmHg** Diastolic **75mmHg** Pulse Pressure **45mmHg** Pulse **96** ASI **24**
 Pulse Pressure >=60 (Increased Risk) Internal Medicine News 2000.3.3.1-2
 ASI <80 Low Risk, 81-209 Moderate Risk, >210 High Risk

LAB TESTS

Cholesterol	172 mg/dL	HDL-Cholesterol	38 mg/dL	Triglycerides	192 mg/dL	Glucose	207 mg/dL	HbA1c	%	A1C	4 %	Ferruginen	bol
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Arterial Stiffness Index

ASI Range	Interpretation
A 0 - 80	< 1.50 - Normal
AC 81 - 209	1.51 - 3.70 - Mild to Moderate Arterial Stiffness
C 210+	> 3.70 - Severe Arterial Stiffness

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Adjusted to average 100 mg/dL

Age (years)	Component	LDL-C
30-39	LDL-C	<100
40-49	LDL-C	<130
50-59	LDL-C	<160
60-69	LDL-C	<190
70-74	LDL-C	<200

This chart has been derived from the Framingham Heart Study. The chart is intended for general informational purposes only. It is not intended to be used for medical diagnosis or treatment. For more information, please contact your physician.

CardioVision MS-2000 Framingham Risk Analysis

PERCENTAGE OF A CORONARY HEART EVENT IN THE NEXT 10 YEARS
Framingham Risk 4%
(+/- 5% based on PVD Risk) (+/- 3% for non-smokers)

Name : Akemi Rice
Sex : Female
Age : 42
Date : 2002/08/28 15:37

BLOOD PRESSURE Sitting Position (0228 - 2002/02/19 10:20)
 Systolic: **120 mmHg** Diastolic: **75 mmHg** Mean: **95 mmHg**
 Pulse Pressure: **45 mmHg** (>60=Increased Risk) Internal Medicine News 2000.3.3.1-2

ARTERIAL STIFFNESS INDEX (ASI)
 ASI: **24** (<80 Low Risk, 81-209 Moderate Risk, >210 High Risk)

Framingham Heart Study Cardiovascular 1998: 97-103

10-YEAR CARDIOVASCULAR RISK FOR MEN(M) AND WOMEN(W)

AGE	M	F	T-CHOL	M	F	BP	M	F	SMOKER	M	F
30-34	0	0	<160	0	0	<120/80	0	0	NO	0	0
35-39	0	0	160-199	0	0	120-139/80-89	0	0	YES	2	2
40-44	1	0	200-239	1	1	130-139/90-99	1	0			
45-49	2	3	240-279	2	1	140-159/90-99	2	2			
50-54	3	6	>279	3	3	>159/99	3	3			
55-59	4	7	or								
60-64	5	6	LDL-C	M	F	HDL-C	M	F	DIABETES	M	F
65-69	6	6	<100	3	2	<35	3	4	NO	0	0
70-74	7	9	100-129	0	0	35-44	1	2	YES	2	3
			130-159	0	0	45-49	0	1			
			160-199	1	2	50-59	0	1			
			>199	2	2	>59	1	3			

ASI 24-29 is M, 30-39 is F, 40-49 is M, 50-59 is F, 60-69 is M, 70-74 is F

TOTAL RISK	<2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
%100-100	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
%100-75	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
%100-50	1	1	2	2	3	3	4	5	6	7	8	9	10	11	12	13

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