## EN ISO 13485:2012

## Cardiac Autonomic Neuropathy System Analyser CANS504



Autonomic neuropathy is a serious and common complication of diabetes. In randomly selected cohorts of asymptomatic individuals with diabetes, about 20% had abnormal cardiovascular autonomic function. Reduced heart rate variation is the earliest indicator of cardiovascular autonomic neuropathy. The increased prevalence of painless myocardial infarction in diabetes has been attributed to autonomic neuropathy. Damage to autonomic nerve fibres from the myocardium of patients dying from painless myocardial infarction has recently been reported.

It has been recommended that testing of diabetic individuals for cardiovascular autonomic dysfunction should be part of their standard of care. Noninvasive tests are suitable for routine screening for autonomic dysfunction or for monitoring the progress of autonomic neuropathy. When performed in a carefully controlled manner, the tests have been validated and shown to be reliable and reproducible:

## FEATURES:

- Analyses Sympathetic and Parasympathetic Autonomic Nervous Function
- Simple array of (one minute) six tests completes the Comprehensive study
- Fully automated NIBP kit enhances the BP measurements
- Display of raw ECG and heart rate(HR) histogram supports the diagnosis
- Needs a Windows XP/7/8/10 enabled computer to perform
- Two full A4 page patient report with ECG, HR Histogram and BP values
- Resting ECG, Deep breathing ECG and Expiration and Inspiration Ratio
- Supine to Standing ECG and 30:15 ratio
- Valsalva Maneuver ECG @ 40mmHg pressure and Valsalva ratio
- Postural Hypertension resting BP and BP after two minute standing are measured to assess the fall in systolic BP
- Sustained Hand Grip BP before hand grip and after 5 minute of hand grip is measured to asses the increase in diastolic BP
- Final impression consists of Parasympathetic function, Sympathetic function and Cardiac Autonomic Function







Diabetik Foot Care India Prt Linite4 No.1811, Kamapampar 20 Man Road. Thinoammyn. Chanan - 600 041 Tai - 91-44-45644129/22514128 F-mail. masmanangrouk num	CARDIAC AUTONOMIC NEUROPATHY SYSTEM ANALYSER	Test Date : 26 - 03 - 2009 13.02:19		the property of the property of	do-do-do-Weberlander Manual Mender	+	A TOTAL CONTRACTOR	p	h-h-h-h-h-h-h-h-h-			 = 0.89 R-R 15= 0.84				End	
Distectifi Foot Ca No. 1811. Kamapamagara an Main R No. 1914 61-04-45641 20725511	CANS 504 CARDIAC AUTONOM	Namu : NIRMALA ID : 15 User ID: PT15 Age : 42 Sox Fernald	1.Resting HR Rate = 67 BPM	-h-h-h-h-h-h-h-h-			Proced Disagning E.K.N 0.33 I.K.N 0.14		+-	3.Response to standing (Supine) Supine		 3 Reconce to standing (Standing) & R-R 30 = 0.80 R-R 16= 0.84	Standing			4. Valsalva Maneuvor Bugn	
Disbetik foot Care India PVI Linited No.161. Kamparaga, an Main Road. Thinnaminor. Cheman - 200 041 Tai - 91-44-4558412962514128 E-mail. Insemployation.	CARDIAC AUTONOMIC NEUROPATHY SYSTEM ANALYSER	Test Date : 26-03-2009 13:02:19	PARASYMPATHTIC FUNCTION	67 BPM GRADE 0		(i).Std.Devration: 7.27 sec (ii).Co_Efficient: 5.51% (iii).Editatio: 1.26 (iii).Editatio: 1.26	(Normal Value > 1,21) GRADE 0		(I).Std.Deviation : 6.47 Sec (II).Co_Efficient : 4.8%		8	(ii) Co Efficient : 1946% (iii) Co Efficient : 1946% (iii) Valsalva Ratio = 1.3	(Normal value > 1.2) GRADE 0	71	SYMPATHETIC FUNCTION	2. Sustained Hand Grip: Before Grip BP-132/ 19 mmHg Here Grip BP-132/ 114 mmHg Holding Time 18 mmHg Change in Systolic BP : 2 mmHg Change in Systolic BP : 2 mmHg	DR.Kimer M Etypone

For more information contact



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