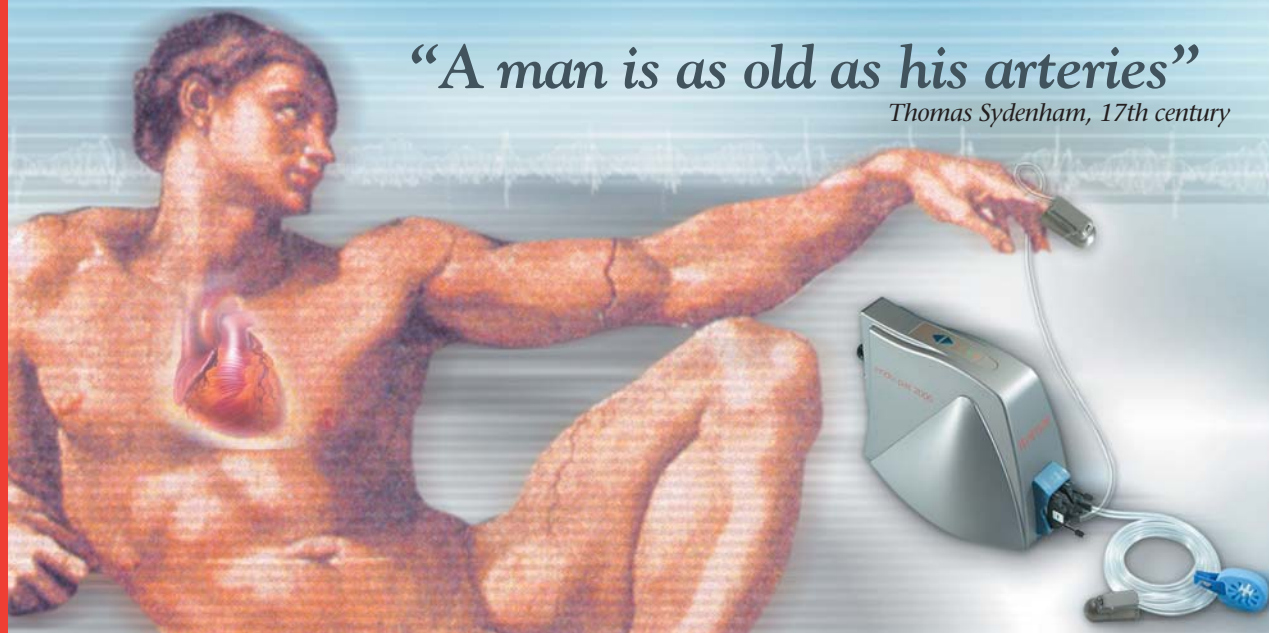


*“A man is as old as his arteries”*

*Thomas Sydenham, 17th century*








## Endothelial Function

With the new discoveries and resultant understanding of endothelial function as the key to vascular health, Sydenham's old adage seems truer than ever. Doctors are growing to see atherosclerosis as the clinical manifestation of Endothelial Dysfunction. Dubbed “The ultimate risk of the risk factors”\*, endothelial function is the key to CV prevention. It is this knowledge that is driving the immense research interest in endothelial function and the growing use of it in the clinical setting. (\* Bonetti OP, Lerman LO, Lerman A, Endothelial Dysfunction: A Marker of Atherosclerotic Risk, ATVB 23, 168–175, 2003)

## Endo-PAT2000

Leading the field of endothelial function assessment, the **Endo-PAT2000** is used in pre-eminent clinical institutions, research centers and Pharma studies.

### Endo-PAT2000 vital stats:

-  Over **200** study protocols
-  Over **40,000** tests
-  In almost **40** countries
-  Over **50** publications and abstracts
-  Over **10** studies with **>1,000** subjects



### PAT Technology

**Endo-PAT2000** is based on the PAT (Peripheral Arterial Tone) technology. PAT is a physiological signal that serves as a window to the cardiovascular and autonomic nervous systems. The PAT signal is acquired non-invasively by measuring pulsatile arterial volume changes in the fingertip by specialized non-invasive probes.

## Endo-PAT2000

The leading non-invasive method for endothelial function assessment

Reliable & Reproducible

Noninvasive

Immediate  
and automatic test  
analysis

User independent



Easy to use

FDA cleared  
CE marked

Operated by nurse/technician

1. Bonetti PO, Pumper GM, Higano ST, Holmes DR Jr., Kuvin JT, Lerman A. **Noninvasive Identification of Patients with Early Coronary Atherosclerosis by Assessment of Digital Reactive Hyperemia.** JACC, 2004, 44 (11), 2137-2141
2. Research Highlights – editorial review of Bonetti PO et al. **A Noninvasive Test for Endothelial Dysfunction.** Nature Clinical Practice Cardiovascular Medicine, 2005, 2(2), 64-65
3. Kuvin JT, Patel AR, Sliney KA, Pandian NG, Sheffy J, Schnall RP, Karas RH, Udelson JE. **Assessment of Peripheral Vascular Endothelial Function with Finger Arterial Pulse Wave Amplitude.** AHJ, 2003, 146, 168-74
4. Nohnia A, Gerhard-Herman M, Creager MA, Hurley S, Mitra D, Ganz P. **The Role of Nitric Oxide in Regulation of Digital pulse Volume Amplitude in Humans,** J Appl. Physiology 2006 Aug;101(2):545-8
5. Bonetti PO, Barsness GW, Keelan PC, Schnell TI, Pumper GM, Kuvin JT, Schnall RP, Holmes DR Jr., Higano ST, Lerman A. **Enhanced External Counter-Pulsation Improves Endothelial Function in Patients with Symptomatic Coronary Artery Disease.** JACC, 2003, 41, 1761-8
6. Kuvin JT, Patel AR, Sliney KA, Sheffy J, Schnall RP, Pandian NG, Karas RH, Udelson JE. **Peripheral artery tonometry demonstrates altered endothelial function in children with type 1 diabetes.** 2007 Aug;8(4):193-8
7. Virginia M. Miller, Sharon L. Mulvagh, **Sex steroids and endothelial function: translating basic science to clinical practice,** ScienceDirect 2007 Jun;28(6):263-70
8. Yinon D, Levenstein L, Suraya S, Beloosesky R, Zmora O, Malhotra A, Pillar G. **Pre-eclampsia toxemia is associated with sleep disordered breathing and endothelial dysfunction.** European Respiratory Journal 2006; 27(2):328-333
9. Itzhaki S, Lavie L, Pillar G, Tal G, Lavie P. **Endothelial Dysfunction in Obstructive Sleep Apnea Measured by Peripheral Arterial Tone Response in the Finger to Reactive Hyperemia.** Sleep 2005; 28(5):594-600
10. Yeo TW, Lampah DA, Gitawati R, Tjitra E, Kenangalem E, McNeil YR, Darcy CJ, Granger DL, Weinberg JB, Lopansri BK, Price RN, Duffull SB, Celermajer DS, Anstey NM, **Impaired nitric oxide bioavailability and L-arginine-reversible endothelial dysfunction in adults with falciparum malaria.** JEM; 204(11): 2693-2704, 2007
11. Hamburg NM, Keyes MJ, Larson MG, Vasan RS, Schnabel R, Vita JA, Benjamin EJ **Digital Microvascular Function is Related to Cardiovascular Risk Factors in the community: The Framingham Heart Study,** Oral presentation, Scientific Sessions, AHA 2007
12. Kuvin JT, Mammen A, Mooney P, Alsheikh-Ali A, Karas RH, **Assessment of Peripheral Vascular Endothelial Function in the Ambulatory Setting,** Vascular Medicine, Vol. 12, No. 1, 13-16, 2007

For more information  
about Itamar Medical Ltd.  
Please contact:



## itamar

Itamar Medical Ltd.

**Itamar Medical Ltd.**

2 Ha'eshel St., P.O.Box 3579  
Caesarea 38900, Israel  
Tel + 972 4 617 7000  
Fax + 972 4 627 5598

**Itamar Medical Inc.**

160 Speen St.  
Suite 201  
Framingham  
MA 01701-2003, USA  
Tel 1 888 748 2627

[www.itamar-medical.com](http://www.itamar-medical.com)

[info@itamar-medical.com](mailto:info@itamar-medical.com)