

PADnet^{TM+} for Bariatric Specialists



PADnet^{TM+} Arterial Testing

PADnet^{TM+} Venous Testing

PADnetTM+

BioMedixTM Solutions for Bariatric Specialists

A Collaborative Approach

BioMedixTM supports Bariatric Specialists with dedication to prolonging and enhancing life through the early detection of vascular disease. BioMedixTM helps to build Bariatric centers of excellence for patient care by providing the only integrated suite of hardware, Health Information Technology (HIT) software, Electronic Health Records (EHR), advanced practice management and cloud-based solutions designed to cost-effectively detect Peripheral Artery Disease (P.A.D.) and Chronic Venous Insufficiency (CVI), while providing a fair financial return.

Peripheral Artery Disease (P.A.D.) and Obesity

In the United States, over 10 million people have P.A.D.¹ and an estimated 97 million adults are overweight or obese.² Obesity is a significant risk factor for atherosclerosis and P.A.D.³ Additionally, it is associated with other major risk factors, including diabetes, high cholesterol and high blood pressure. Without proper treatment, 30% of those with P.A.D. are likely to die within five years of P.A.D.-related heart attack or stroke.¹ Those numbers can be significantly decreased by connecting Bariatric Specialists to vascular specialists to optimize collaborative patient care with the use of PADnetTM+

PADnetTM+ Arterial Testing

PADnetTM+ is an easy to use system that uses automated means to obtain Ankle-Brachial Index (ABI) values, Toe-Brachial Index (TBI) values, Segmental Pressures (SBI) and Pulse Volume Recording (PVR) waveforms. In just 15 to 20 minutes during an office visit, these non-invasive tests help identify obstructive disease and determine whether medical or surgical treatment is necessary.

BioMedixTM provides a patient screening tool to identify patients that need to be tested for P.A.D. and establish medical necessity.

For overweight or obese patients, the PADnetTM+ system includes a conical above-knee cuff to accommodate larger legs, as well as multiple testing modalities, including TBI and PVR, to ensure that patients with non-compressible vessels can be tested effectively.



PADnetTM+ saves time and travel by sending test results instantly via the web for interpretation by a vascular specialist of your choice. Vascular specialists can review results at their convenience, from any secure internet connection in the world.

Two mouse clicks sends the patient's demographic, history, risk factors and test data quickly and securely, ensuring fast, error-free transmission while maintaining HIPAA compliance.

Claims submission for PADnetTM+ tests meet the requirements for CPT[®] codes 93922, 93923 and 93924 (optional post-exercise testing), given approved physical signs and symptoms⁵, providing a fair financial return.

1. Hirsch, A.T. (2001). Peripheral arterial disease detection, awareness and treatment in primary care. *JAMA*, 281(11), 1317-1324.

2. Pi-Sunyer, F., et al. (1998). Clinical guidelines on the identification, and treatment of overweight and obese adults: the evidence report. *National Institute of Health*, Pub No. 98-4083.

3. Shammash, W. (2007). Epidemiology, classification, and modifiable risk factors of peripheral arterial disease. *Vascular Health and Risk Management*, 3(2), 229-234.

4. Bhatt DL, Steg PG, Ohman EM, et al. (2006). International prevalence, recognition, and treatment of cardiovascular risk factors in outpatients with atherothrombosis. *JAMA*, 295(2), 180-189.

5. Current Procedural Terminology (CPT[®]) is copyright 2011 American Medical Association (AMA). All rights reserved. No fee schedules, basic units, relative values or related listings are included in CPT[®]. The AMA assumes no liability for the data contained herein. CPT[®] is a registered trademark of the American Medical Association. References to CPT[®] codes herein are not intended to convey any endorsement or sponsorship by, or affiliation with, the AMA.

Obesity and Risk Factors for P.A.D.

Bariatric Specialists may see many patients who are at risk for P.A.D. because of the link between obesity, its associated health complications and vascular disease.

a. Hirsch, A.T. (2001). Peripheral arterial disease detection, awareness and treatment in primary care. *JAMA*, 281(11), 1317-1324.

b. Pi-Sunyer, F., et al. (1998). Clinical guidelines on the identification, and treatment of overweight and obese adults: the evidence report. *National Institute of Health*, Pub No. 98-4083.

c. Conen, D., et al. (2009). Metabolic syndrome, inflammation, and risk of symptomatic peripheral artery disease in women. *Circulation*, 120, 1041-1047.

d. Lahoz, C., et al. (2006). Metabolic syndrome and asymptomatic peripheral artery disease in subjects over 60 years of age. *Diabetes Care*, 29(1), 148-141.

e. Planas, A., et al. (2001). Relationship of obesity distribution and peripheral arterial occlusive disease in elderly men. *Int J Obes Relat Metab Disord*, 25(7), 1068-70.

COMPLICATION OF OBESITY	RISK FACTOR FOR P.A.D.
DIABETES	X
HIGH BLOOD PRESSURE (HYPERTENSION)	X
METABOLIC SYNDROME	X
HIGH CHOLESTEROL	X
CANCER	
CARDIOVASCULAR DISEASE	X
HIGH WAIST-TO-HIP RATIO (>1)	X

PADnet™+ Venous Testing

By the age of 50, nearly 40% of women and 20% of men have significant leg vein problems. An estimated 20 to 25 million Americans have varicose veins.⁶ Obesity is a risk factor for CVI and venous thromboembolism.⁷ Overweight patients are more likely to have skin changes and ulceration, a major complication of CVI.⁸ Overweight women have a 1.5 to 3 times greater likelihood of developing varicose veins.⁹ This presents a significant opportunity for Bariatric Specialists.

PADnet™+ Venous is a non-invasive test that can be completed in just five to ten minutes during an office visit. Venous refill testing helps to identify problems affecting venous circulation and determine whether medical or surgical treatment is necessary. This exam falls under CPT® code 93965⁵, given approved physical signs and symptoms.

The PADnet™+ system is supported by a complete Marketing Launch Kit, which includes Arterial and Venous resources to help Bariatric Specialists promote these new services.



6. Vascular Disease Foundation. (2010). Chronic venous insufficiency: what is it? <http://www.vdf.org/diseaseinfo/cvi/>

7. Willenberg T., et al. (Sep 2010). Impact of obesity on venous hemodynamics of the lower limbs. *J Vasc Surg*, 52(3), 664-668.

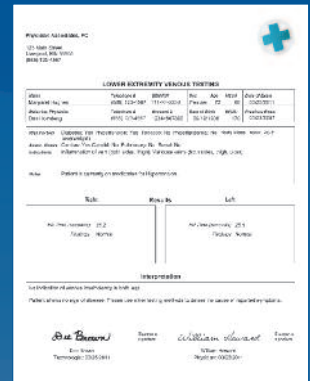
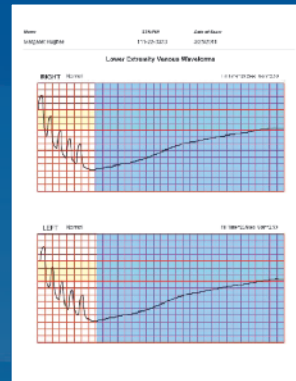
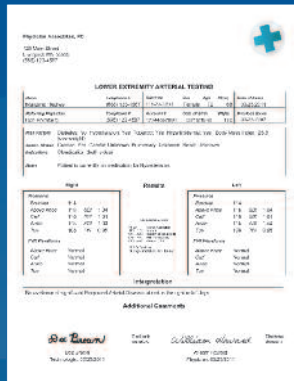
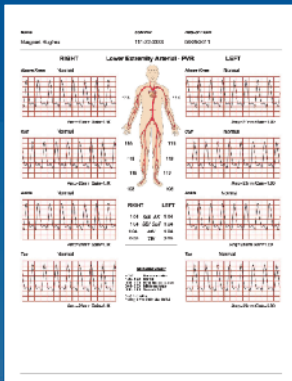
8. Danielsson, G., et al. (July/August 2002). The influence of obesity on chronic venous disease. *Vasc Endovascular Surg*, 3, 271-276.

9. Beebe-Dimmer JL, et al. (2005). The epidemiology of chronic venous insufficiency and varicose veins. *Ann Epidemiol*, 15, 175-184.

Easy to Use Reports

Full color reports show PVR or Venous refill waveforms and test summary information.

Report images are for illustration purposes only and may vary.



Arterial Report and Test Summary

Venous Report and Test Summary



**Integrated Solutions for Better Care
and Better Business Performance**

About BioMedix™

BioMedix™ is a leader in Health Information Technology (HIT) software, products and services that connect Bariatric Specialists, Primary Care Physicians, vascular labs, vascular specialists and healthcare systems in a continuum of collaborative care.

We provide the only integrated suite of hardware, software and online services designed to cost-effectively detect vascular disease. Our award-winning suite of medical devices, advanced practice management and Electronic Health Record (EHR) software, and cloud-based solutions give providers a more complete view of patient care.

PADnet™+

PADnet™+ is an easy to use diagnostic system for non-invasive P.A.D. and CVI testing in community care settings. Bariatric Specialists collaborate with vascular specialists to optimize patient care with the use of PADnet™+.

BioMedix™ products are designed to share information and work together in a continuum of care:

PADnet™+ easy to use in-office vascular diagnostic device for non-invasive Peripheral Artery Disease (P.A.D.) and Chronic Venous Insufficiency (CVI) testing.

PADnet™ Disease Management System 2.0 collaborative care program for developing best practices for vascular program planning and growth.

TRAKnet™ Lab software improves lab efficiency and supports ICAVL accreditation.

TRAKnet™ Outcomes tracking software improves financial and therapeutic outcomes.

TRAKnet™ PM practice management and EHR solution works seamlessly with PADnet™+ and the full suite of BioMedix™ software and products.

All content in this document is for informational purposes only and is not intended to provide instructions for providers as to how to bill for medical procedures. Payment for listed services from any insurer is not guaranteed. Providers are advised that private insurance carriers and government payers have medical necessity policies regarding when the listed services are considered medically necessary. These policies may vary between carriers. Providers should check coverage requirements with specific insurance plans before testing.

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