



EnerChanges

Recent genetic research indicates that some genes such as our "fat", "thin" and "aging" genes can be influenced by our actions. Clients can loose stubborn weight, prevent and often reverse disease and aging.



HEALTH NEWS



Fat Loss in the 21st Century: The New Rules of the Game

"Whole Body Vibration" is sweeping across North America and is being absorbed into the medical, health, wellness, and fitness communities at a pace similar to that of the "step class" of the early 1990s.

By: André Noël Potvin

"I am trying to lose weight. I am having a hard time coping with this change of life. I have always been 128 lbs and now, at 55, I am 205 lbs. I would like to know what you can offer in the way of advice. I am going nuts."

-- Jean Durango

In the battle to lose fat, just as on a real battlefield, the side with the best information, the most accurate and realistic picture of the battlefield, is best poised to win. But we here in

North America are living in an illusion, because our old ideas about battling fat have given us a false sense of security.

The old logic says that if we simply exercise and eat less we will lose fat. In the new reality of North American society, this concept is no longer valid, and if relied on to structure our fat-loss efforts, in the long term can produce debilitating, or even lethal results.



I wanted to say "thank you" for taking the time to work with me. Your observations and insight have re-directed some very central areas of my life.

Bailing water out of a leaky boat is a good way to begin, but if the boat is taking on water at a faster rate than it is losing it, then a change in strategy is urgently needed. And this is the case with current attitudes towards fat loss.

What then is new, and how have the rules changed?

Well, to start with, we in the year 2006 are exposed to far more environmental stresses than our bodies have ever had to deal with in the past. Our bodies have reacted to these stresses by storing fat more proficiently than ever before (16).

The old logic of simply exercising and eating less, then we will lose fat, is no longer valid.

When it comes to fat regulation, the body's "better-safe-than-sorry" strategy makes it preserve fat when put under stress, as a way of dealing with the uncertainty of its environment (11). So we have become ultra-efficient fat-storing machines, getting fatter even as we reduce our dietary fat intake, and in the process, opening us up to a much greater risk for hypokinetic diseases such as cardiovascular disease and diabetes.

One Proposed Solution

In the fight to generate proficient fat-loss and reduce hypokinetic disease risk, what is needed is a solid, well-organized assault plan. But without professional guidance, this is, for the most part, a losing battle. There are just too many confusing variables to address and accurately plan against: high-sugar intake, intestinal issues, rampant stress-hormones, misdiagnosed thyroid issues etc. (11). Each person needs a personalized body-fat and cardiovascular risk reduction plan, and fitness professionals need to understand and aggressively promote this potentially life-saving concept (1, 2).

Recognizing the Problem

Have you ever moaned to yourself "if only I had known then what I know now?" Well then listen up, and consider this article as both then and now! Here are some of the symptoms that you, the professional, can look for to help your participants and clients spot important indicators of physiological distress earlier rather than later:

Chronic stress (at work, new-born at home, relationship problems)

Chronic fatigue (mornings, during the day)

Chronic muscle and joint pain

Chronic infections or allergies

Low sex drive

Excessive cravings

Poor skin health

These are not normal healthy physiological states! (16). Dr. Brian Martin, ND, warns: "If your clients or participants are experiencing one or more of these conditions for more than 7 days, you need to take it very seriously."

"Time Is Not On My Side..."

Time management is a daily struggle for most people with dreams, goals, careers, families

and the drive to enhance their quality of living. Health-care professionals and organizations such as the American College of Sports Medicine (ACSM) in New York have realized that the North American population is no longer able, on its own, to figure out, implement, and then sustain a health maintenance plan that works long-term. Over the last thirty years, North Americans have undergone dramatic changes in their living environment, brought on by the advent of computer technology.

Since the arrival of computers, video games, TV clickers and other "anti-aerobic" devices in the 1970s, North Americans have been getting steadily fatter, and thus more prone to hypokinetic (low-activity) disease. And they have been doing so earlier in life than at any other time in history!

Many experts now acknowledge the recent "alarm-sounding" 2006 reports of the American College of Sports Medicine (ACSM) and the U.S. Surgeon-General (1996; revised 2003), which highlight the importance of reducing disease risk by focusing efforts on "gradual behavior modification" and by creating innovative ways of motivating the masses to take action. Dr. Brian Martin, ND, clinical director of EnerChanges Medical, Health, Wellness and Fitness Clinic (Vancouver, Canada) agrees that long-term success is achieved gradually, in small, palatable doses (11).

This "less is always best" approach, at least initially, appears to have the greatest success in provoking and then nurturing peoples intrinsic drive to change unhealthy behavior and lifestyle habits. The secret to success is to help sedentary, busy people "get their foot in the door" to behavior and lifestyle change by getting them results fast, and without Herculean effort. Unfortunately, unscrupulous manufacturers prey on the human instinct to "get the most for the least" by offering pills, creams and gadgets that promise quick results, but have no safe, long-term or effective results.

Vibration Technology Exercise - The 21st Century Solution

The Whole Body Vibration (WBV) system by Proellix (pronounced pro ee LEEX) is a non-invasive technology (you simply stand on it) founded on the principle of stimulating the human bodys natural reflexive ability to contract muscle quickly in order to protect itself in the case of a fall or attack.

Professor Carmelo BOSCO of the Faculty of Medicine and Surgery of the Università degli Studi di Roma (Tor Vergata) was the first to introduce the concept of "whole body vibration" back in the 1970s for the enhancement of sport performance. This technique has been successfully used for the past 30 years in Europe (particularly in Eastern Bloc countries) for enhancing athletic performance and in post-injury rehabilitation. More recently, the safety of this technology, and the dramatic results that it yields, have been extensively investigated and validated by several other researchers, including:

Dr. Vincenzo RUSSO, lecturer in sports medicine at the Isitituto Superiore di Educazione

Fisica (Naples) and president of the Sports Medicine Association (FMSI / Italian National Olympic Committee) in Naples

Dr. Bruno GENTILE of the Faculty of Medicine & Surgery, Seconda Università degli Studi (Naples)

Dr. Giuseppe Sito and Dr. Patrizia Piersini of the Seconda Università degli Studi (Naples), the Koelliker Hospital (Turin), and the Scuola Superiore Postuniversitaria di Medicina ad Indirizzo Estetico - Milan (SMIEM).

Many other researchers and health-care professionals are also taking advantage of this powerful new technology, which has now been transferred to the world of health, wellness and fat-loss. Impressively, the results speak truth and validation. WBV (by Proellixe) is sweeping across North America and is being absorbed into the medical, health, wellness, and fitness communities at a pace similar to that of the "step class" of the early 1990s.

Its biggest claim to fame is how it maximizes users feelings of well-being instantly, which in turn, creates an almost addictive willingness to repeat the treatment session. In turn, and to the delight of many health care professionals, this "healthy addictive behavior" is making huge inroads in the war against hypokinetic (low-activity) diseases such as obesity, coronary artery disease and diabetes.

Here is the unbelievable part...

"After my first 3 sessions using the ProEllixe, I've had much more energy than ever before. I've fallen asleep much easier at night and I love the way my pants fit a little better. This machine is great! "

-- Lillian Jamorol

In 20 sessions of 10 minutes each, whole body vibration has been equated by some researchers as being equal to 60 minutes of strength training and core conditioning. It represents a true revolution in the treatment of cellulite and lymphatic drainage, in the mobilization of fat, and the strengthening of ligaments, tendons and muscle.

This Is How Whole Vibration Works

When a muscle fiber is stretched, it contracts by a reflex known as the protective myotatic stretch reflex . By simply standing barefoot on the machine, vibration is generated and sent through your body, which passively stretches your muscles. This safe stretch signals your central nervous system of potential danger to muscles, tendons and joints and the body responds by causing millions of tiny muscle contractions in an attempt to stop the stretch.

The stress on the body is minimal, but the positive impact is great. As muscle tone, firmness and density increase, the metabolic rate goes up, since an increase in muscle mass requires

more energy.

Because whole body vibration is a "passive" exercise, neither perspiration nor lactic acid is generated. What this means for the user is no increase in heart rate, no need for a shower after, and no achy muscles the following day-just quick, easy results!

Whole body vibration machines, such as the Proellexe (above), are being absorbed into the medical, health, wellness, and fitness communities at a pace similar to that of the "step class" of the early 1990s.

Here are some of the known benefits:

Increased muscle tone and firmness

Increased lymphatic drainage and microcirculation, which detoxifies and reduces congestion in your fat and cellulite, resulting in inches lost!

Increased Serotonin production, which helps combat seasonal affective disorder (SAD)

Enhanced Endorphin release, generating that "feel good" sensation (like "runners high") which follows a traditional work out

Increased production of growth hormones with all of the accompanying anti-aging benefits

Increased testosterone production, which is particularly helpful for womens sex drive

Decreased production of serum cortisol (the bodys stress hormone)

Enhanced bone density and bone building, as the exercise is weight bearing

Body reshaping.

"The best thing is the non-bloating feeling. On the days I use the program, I gain a lot of extra energy. Its so easy to do - why not?"

-- Jeannene Pearse

Other conditions that whole body vibration has had excellent results with include:

Cardiac dysfunctions

Obesity

Circulatory problems

Hernias

Fibromyalgia

Rheumatism

Bone fractures

Hip dysplasia

Osteoporosis

Dyskinesia: vertigo and sea sickness

Please note that whole body vibration is NOT to be used with the following conditions, disorders and diseases:

Aneurysm of the aorta

Cancer

Deep-Vein Thrombosis

Pace-makers

Parkinsons disease

As with any exercise program, the user of whole body vibration should be medically stable before starting.

Saves Time, Gets Results

The benefits of whole body vibration are many. It is an exercise technology that every health-care professional should know about. Results that before might take up to 6 months of hard slogging to achieve, can now be realized in 6 weeks-and that has to be good for the motivation of your clients and participants!

One Final Note

Whole body vibration is not a toy. Nor is it to be used as the ONLY treatment for hypokinetic diseases or fat loss. Proellixe WBV technology was designed for use under the supervision of health-care professionals such as physicians, physiotherapists, chiropractors and other such therapists. The 21st-century assault plan against disease and fat-building lifestyles is multifactorial and must include professional guidance. There are just too many confusing variables to assess and address, such as:

Genetics

Aging

Hormones

Stress

Gastrointestinal microflora Activity levels

Nutrition

Environment

Medications Lifestyle

Habits & behaviors

Attitude

Diet & metabolism

The truth is that each person needs a personalized body-fat and cardiovascular risk reduction plan. We as humans, are always searching for ways to get the most for the least amount of effort-an instinct exploited by many advertisers. But those wanting to lose fat, and reduce or manage their disease risk, can do so by saving their money and doing what works. Whole body vibration works. Happy Training!

More Info about Whole Body Vibration

[Go to Proellix Page](#)

References

- American College of Sports Medicines Guidelines for Exercise Testing and Prescription. 7th ed. Lea & Fibeger, 2006, p. 4-7.
- American College of Sports Medicines Resource Manual for Guidelines for Exercise Testing and Prescription. 5nd ed. Lea & Fibeger. 2006
- Annual Review of Public Health, Ross Brownson, St. Louis University Barnard, N. Turn off the fat genes. The revolutionary guide to taking charge of the genes that control your weight. Harmony Book (2001) NY.
- Bouchard C, Deriaz O, Perusse L, Tremblay A. Genetics of energy expenditure in humans. Genetics of Obesity, 135-45
- Flegal KM, Carroll MD, Ogden CL, Johnson CL: Prevalence and trends in obesity among U.S. adults 1999-2000. JAMA 288: 17231727, 2002.
- Jung RT, Shetty PS and James WP. The effect of refeeding after semistarvation on catecholamine and thyroid metabolism. Int J Obes 4:95-100.
- Lee IM, Rexrode Km, Cook NR, et al. Physical activity and coronary heart disease in women: is "no pain, no gain" pasee? JAMA 2001; 285: 1445-1454.
- Leibel RL, Rosenbaum M, and Hirsch J. Changes in energy expenditure resulting from altered body weight. N Engl J Med 332:621-28., 1995.
- Manson JE, Greenland P, LaCroix AZ et al. Walking compared with vigours exercise for the prevention of cardiovascular events in women. N Engl J Med 2002; 33: 2145-2156
- Martin B. Clinic Director, EnerChanges Medical, Health and Wellness Clinic. Vancouver, BC, Canada. www.enerchanges.com .Personal Interview, July 2006.
- National Health and Nutrition Examination Survey (NHANES), 2001-2002
- Ristow M, Muller-Weiland D, Pfeiffer A, Krone W, and Kahn CR. Obesity associated with a mutation in a genetic regulator of adipocyte differentiation. N Engl Med 339: 953-59, 1998.
- Ravussin E , Lillioja S Knowler Wc et al. Reduced rate of energy expenditure as a risk factor for body-weight gain. N Engl J Med 318: 467-72.
- Schoenborn CA, Barnes PM. Leisure-time physical activity among adults: Advanced Statistics from Vital and Health Statistics No. 325; April 7, 2002. U.S., 1997-1998. 2002
- Urasmus U. Fats that Heal and Fats that Kill. Alive Books, 1993
- Wadden TA, Foster GD, Letizia KA and Mullen JL. Long-term effects of dieting on resting metabolic rate in obese outpatients. JAMA 264: 707-11, 1990.

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