



B-OND Inc. (*Beyond Optimal Nutrition Daily*)

The goal of B-OND Inc. is to provide a means of affecting large populations with a viable form of nutrient delivery that has the ability to normalize nutrient levels, while establishing normal cellular function. This allows for the proper utilization of all nutrients received. This will help to reestablish the mechanisms necessary for those suffering from malnutrition to benefit from this type of supplementation.

World Hunger

Today, 40,000 people will die from causes related to hunger. Nearly a billion will not get enough to eat today and countless others will suffer from diseases related to malnutrition.

When we do think of hunger, images of famine and starvation come to mind. In reality, this is only a part of the problem. Global hunger encompasses famine and malnutrition, the major component of hunger.

Famine or starvation, the extreme and general scarcity of food can occur as the result of crop failure or destruction brought on by such causes as drought, flooding or pestilence. However, the causes of famine are frequently more closely linked to violence, militarism and war. During armed conflict, food production and marketing are disrupted. Food is seized or blockaded, planting and crop cycles are interrupted, supplies and equipment are destroyed. Starvation itself is increasingly being used as a weapon harming innocent civilians.

Malnutrition, the chronic absence of essential proteins, micronutrients, fatty acids, and adequate caloric intake, affects 800 million people worldwide each day. It is directly linked to infant and childhood mortality, stunted growth, reduced intelligence and increased risk of infection. It is estimated that 250 million children's growth has been stunted due to malnutrition. Nutritionally depleting diseases also play a major role in malnutrition worldwide, claiming the lives of five million children each year. The women and elderly are also particularly vulnerable to malnutrition. Chronic hunger has lasting multigenerational effects contributing to a spiral of human suffering. It is a thief that robs people of physical and mental health, education, economic security, and the opportunity for a better life.

Hunger Even In America

When most people think of hunger they picture people struggling to survive in developing nations far from the shores of the United States. In a country that produces enough food to feed all of its people and much of the rest of the world, hunger seems unthinkable. Yet in the United States the hunger is a reality to more than 23 million people. In the US hunger primarily comes in the form of food insecurity, meaning that not enough food is available for access to consistently meet the basic needs of an individual or family.

In 2000 the United States Department of Agriculture (USDA) reported that twelve percent all American households were food insecure. That same year the USDA reports that nearly 1 in 5 children went hungry. America's Second Harvest, the nation's largest network of food banks, reports that 26 million Americans received food from food banks in 2002. Children are the largest segment of our population experiencing hunger. According to the USDA, 13 million children live in households that do not have an adequate supply of food. The elderly are also



particularly vulnerable to food insecurity. The USDA reports that 1.4 million households with elderly members experience food insecurity.

The consequences of hunger in America are staggering and far reaching. Children who do not receive adequate nourishment are impacted physically and intellectually. The insidious effects of hunger start early. Mother's who experience inadequate nutrition have higher infant mortality rates and give birth to babies with lower birth weights. These children suffer two to four times as many health problems as other children. During a child's development the consequences of hunger even minor malnutrition can be devastating. Impaired physical growth, abnormal brain development, shorter attention spans, difficulty concentrating and more school absences can be just the beginning of a cycle of suffering for these children. As these children grow up, this can lead to a lack of fulfillment of their potential, poor social integration, lower work productivity and poverty. The cost to individual lives and to U.S. society is enormous. The impact on children is the most devastating. According to the latest statistics about 18,000 kids die every day because of hunger. That's one every five seconds.

The key to treating all forms of malnutrition begins with resolving certain aspects of cellular regulation routinely overlooked. When a human is deprived of normal nutritional constituents for an extended period of time, their system adapts by bypassing the expected routes of normal metabolism in favor of those routes predisposed to survival or the fight or flight mechanism. This allows short-term adaption, but exacerbates long term debilitation. The impact on the all forms of medical care become more and more debilitating without the ability to positively affect the cause of dysfunction rather than just treating a symptom.

B-OND Inc. has developed a system of nutrient delivery that can provide a means of distributing vital nutrients to prevent, as well as treat malnutrition on a mass scale. Using an advanced transdermal delivery mechanism B-OND Inc. proposes that a means of exposing large populations to the necessary bio-nutrients to prevent many of the diseases related to nutritional deficiency disease can be achieved at a minimum of cost.

The B-OND Inc. system has been designed with the humanitarian goal of eliminating world malnutrition by means of a transdermal application with which anyone can comply. Malnutrition is extremely misunderstood and usually a result of improper utilization of natural resources. Children all over the world can be positively benefited by the introduction of a method of delivery that can achieve the goal of establishing normal nutritional parameters, while also concentrating on the specific population involved.

B-OND Inc. has contracted with CDO Capital to assist with fundraising activities.

Using an advanced method of transdermal delivery we propose that a large population can be positively influenced when these nutrients are exposed to the environment and are provided in the form and concentration necessary to positively impact those exposed.

Overview

Countless health issues have their roots in obesity and thousands of Americans suffer from this condition. According to the Center for Disease control: *"Being overweight or obese increases the risk of many diseases and health conditions, including the following: Hypertension, Dyslipidemia (for example, high total cholesterol or high levels of triglycerides), Type II diabetes, Coronary heart disease, Stroke, Gallbladder disease, Osteoarthritis, Sleep apnea and respiratory problems, Some cancers (endometrial, breast, and colon)"*

The Life Quality Project is addressing this issue directly. For years, Dr. Borkin's success in treating weight problems in the context of overall body wellness has been remarkable. However, in order to maximize his impact on this critical health issue, B-OND has contracted with one of the nation's preeminent researchers on protein health and weight loss, Dr. George Scheele, MD.

As a result, Dr. Scheele has agreed to use his 30 years of research and innovation to support Dr. Borkin's efforts at B-OND with an intensive focus on protein health and weight loss. The result of this collaboration is a custom formula, powdered, amino acid/protein therapy that addresses human metabolic function and results in overall wellness and weight loss – Factor-4 Weight Control™. When mixed with a liquid, Factor-4 Weight Control™ shakes contain a proprietary, patented mix of Power Amino Acids™ and Health-Plus Proteins™ to restore nutritional health and reset metabolic pathways.

Dr. Scheele conducted a 24 week weight loss study in Canyon Lake, CA, to assess the effectiveness of Factor-4 in causing weight loss in a group of women and men who suffered from chronic refractory overweight disorders and obesity over the past 10-20 years. Twenty four (24) out of twenty five (25) subjects lost significant amounts of weight, indicating a 96% success rate.

Based on weekly measurements of body weight as well as body composition (percent body fat, fat pounds, lean body mass, total body water and body mass index) in a group of 25 overweight and obese adults (9 males and 16 females), the following positive effects were observed:

- The results of the 3 month study showed that 96% of subjects (24 out of 25 subjects) who followed the Factor-4 Weight Loss regimen over that period of time lost weight.
- The results of the six month study on 13 subjects indicated that subjects continued to lose significant additional weight during the second 3 month period.
- Weight loss performance fell into three groups: (i) modest weight loss (1-9 pounds; n = 13 subjects), (ii) moderate weight loss (10-19 pounds; n = 6 subjects) and (iii) large-scale weight loss (20-29 pounds; n = 5 subjects).
- Body Mass Index decreased in all subjects measured
- Weight loss occurred in the absence of forced dietary changes and increased exercise

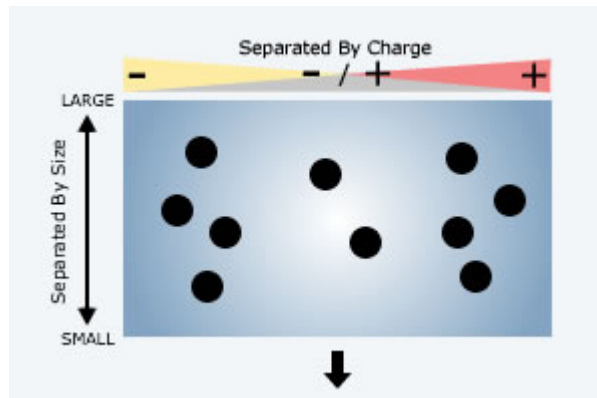
Protein Health in Weight Loss and Sustained Weight Control

Healthy cells contain proteins that span the entire charge spectrum, from negative-charged proteins to positive-charged proteins. This may be easily demonstrated by spreading the proteins out on a 2-dimension (2D) gel as seen in Figure 1.

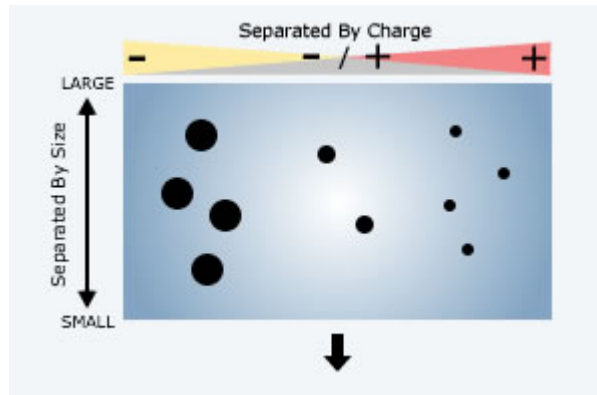
Figure 1

The Importance of Power Amino Acids™ and Health-Plus Proteins™ in Protein Deficiency

A: Health
Normal Protein Pattern

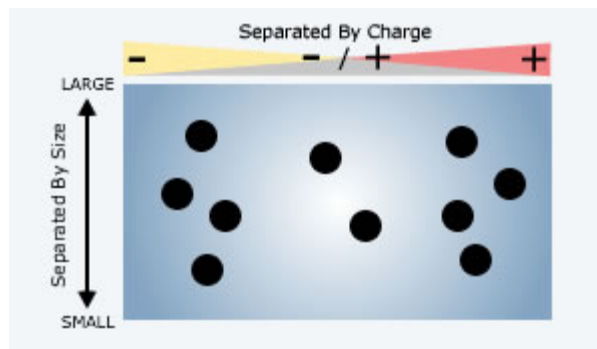


B: Protein Deficiency
Positive Charged Proteins Reduced by 90%



C: CORRECTION with Factor-4 Weight Control™

- Power Amino Acids™
- Health-Plus Proteins™



The yellow and red triangles shown at the top of the gels show the gradients of positive (red) and negative (yellow) charges that reside in the proteins. Thus, proteins at the far right in the 2D gel contain mostly positive-charged amino acids and very few negative-charged amino acids. In contrast, proteins at the far left in the 2D gel contain mostly negative-charged amino acids and very few positive charged amino acids.

Figure 1A shows a 2D gel demonstrating 10 proteins (round black spots) separated according to charge (horizontal axis) and size (vertical axis). Each protein has a distinct specific function that is necessary to ensure the health of cell, organ or tissue. Because the functions of proteins are complementary, the entire set of proteins are required to ensure "protein health" in a given organ or tissue. The pattern of protein expression shown in Figure 1A represents a "healthy tissue."

Under conditions of protein deficiency or partial protein deficient states, positive-charged proteins suffer at the expense of negative-charged proteins as seen in Figure 1B. The synthesis of negative-charged proteins continue but the synthesis of positive-charged proteins is greatly diminished to levels that are more than 90% diminished from levels observed in health. Thus positive-charged proteins show up at levels that are less than 10% of the levels observed in health. These changes in protein expression result in serious impairments in cellular function. In fact the impairments in protein expression may result in serious disease states, including overweight disorders, high blood pressure, high cholesterol levels, Type II diabetes, characterized by numerous risk factors and symptoms of premature aging.

The Power Amino Acids™ and Health-Plus Proteins™ contained in Factor-4 Weight Control™ provide the critical nutritional elements that correct the protein deficiency observed in Figure 1B. When corrected by Factor-4 Weight Control™ the pattern of protein expression returns to that observed in health seen in Figure 1C (compare Figure 1C to 1A).

Factor-4 Weight Control™ corrects protein deficiency by supplementing Power Amino Acids™, Health-Plus Proteins™ and other essential nutrients. In the presence of power amino acids and proteins, the body manufactures the full complement of cellular proteins, including both positive-charged and negative-charged proteins. In the presence of the full complement of proteins, the cell returns to a state of nutritional or protein health.

The beneficial effects of Factor-4 weight Control™ on Metabolic Health may be seen in the table below. Note how Power Amino Acids™ and Health-Plus Proteins™ decrease body fat, increase lean body mass and achieve weight and size control.

Body Weight & Medical Health	Effects of Factor-4 Weight Control™ with Power Amino Acids™ & Power-Plus Proteins™
Weight profile	<ul style="list-style-type: none"> • Fat loss (extremities)^{2,3} • Fat loss (central)^{2,3} • Increase in lean muscle mass^{2,3} • Decrease in total body weight^{2,3} • Metabolic balance achieved with sustained weight control²
Energy profile	<ul style="list-style-type: none"> • Increase in pep & energy^{2,3}

- Increase in physical activity & exercise^{2,3}
- Decrease in systolic blood pressure¹
- Decrease in diastolic blood pressure¹
- Decrease in total cholesterol¹
- Decrease in LDL cholesterol¹
- Decrease in glycemic index (lower blood sugar levels)²

- 1 Demonstrated in published clinical trials
- 2 Demonstrated in testimonials
- 3 Predicted with supporting evidence in literature
- 4 Predicted

Background & History on 2D Gel Electrophoresis

In 1975 Dr. Scheele invented the **Two Dimensional Gel Electrophoresis technique (2D gel)** that separates proteins according to their surface charges in the first dimension and according to their molecular size in the second dimension (see Figure 1). The invention of this new method, enabled, for the first time, the complete separation of cellular proteins, including the digestive enzymes. This also allowed the first detailed comparison of pancreatic digestive enzymes, including iso-enzymes, that digest protein, carbohydrate and fat in the diet. It was an enormous **scientific breakthrough**, which allowed Dr. Scheele's laboratory at the Rockefeller University and collaborators in Europe to make numerous seminal discoveries in pancreatic physiology, molecular biology and cell biology over the ensuing 30 years. This method has been so successful that it is now used in numerous scientific and medical laboratories throughout the world!

Role of Positive-Charged and Negative-Charged Proteins in Nutritional Health, Protein Health & Disease

Under **conditions of health** with adequate protein substrates in the diet, each cell in the body is capable of synthesizing the full spectrum of proteins, including negative-charged and positive-charged proteins. Since each protein has a distinct function, the entire set of proteins allows the cells to function at peak performance, which we recognize as the optimal state of nutritional and protein health.

Under **conditions of protein deficiency**, when power amino acids (essential, branched and positive-charged) are limiting, the cells cannot produce the entire spectrum of proteins in adequate quantities. **Positive-charged proteins decrease the most.**

The greater decrease observed in positive-charged proteins over negative-charged proteins can be explained by the dangerously low levels of positive-charged amino acids in the body. Positive-charged amino acids suffer the most in the early stages of protein deficiency because mammals are incapable of synthesizing essential amino acids including Lysine, one of the two positive-charged amino acids.

In the absence of positive-charged proteins, or under circumstances where positive-charged proteins are scarce and therefore deficient, the body may continue to function but

under greatly compromised circumstances. Under these conditions we can survive but our level of function (nutritional and protein health) is significantly compromised, so much so that each of our physiological systems (think cardiovascular, pulmonary, central nervous, immune, nutritional and other systems) are sub-par, unable to provide all of the “working protein units” that the cells in each of these organs need to function efficiently in a state of good health. When viewed in this perspective it is easy to see that, during periods of protein deficiency, **serious dysfunctions, including disease**, may arise in inflammation, blood pressure, cholesterol metabolism, glucose metabolism, resistance to infectious organisms, weight control and the like.

How Does Protein Deficiency Lead to Fat Storage & Weight Gain?

Poor nutrition leads to protein deficiency states that result in unwanted weight gain through the four nutritional traps associated with obesity.

Protein deficiency leads to an imbalance between fat storage (deposition) and fat metabolism (breakdown). Under these conditions, fat storage exceeds fat metabolism and fat pads increase without restraint. Protein deficiency also leads to poor nutritional health and accelerated aging.

Four Factors Required for Weight Loss & Sustained Weight Control

Power Amino Acids™ and Health-Plus Proteins™ contained in Factor-4 Weight Control™ provide the four essential factors required for weight loss and lasting weight control. These include:

Factor 1: Metabolic Priming Factor:

This factor primes the body by restoring nutritional health and balance. This factor promotes anabolic activities that build strong bodies with a healthy physique. High-value supplements, including Power Amino Acids™ and Health-Plus Proteins™, rebuild nutritional health providing positive benefits in eight of the major health systems in the body.

Factor 2: Catabolic Releasing Factor:

This factor releases the body from catabolic states caused by starvation mechanisms that result in “cellular autophagy”, a process by which cellular degradation occurs through self-digestion processes. This factor blocks catabolic activities at both the molecular and cellular levels, which blocks food cravings, hunger pangs and famished states.

Factor 3: Obesity Releasing Factor:

This factor releases obesity states by balancing protein health, correcting deficiencies in positive-charged proteins and converting fat-storage pathways into fat burning pathways. The factor throws the metabolic switch in favor of increased metabolic activity that burns more calories and prevents excess food intake through mechanisms that curb appetite by stimulating satiety in the digestive tract as well as in the brain.

Factor 4: Weight loss Factor:

This factor accelerates weight loss by increasing pep, energy, physical activity and the natural desire to engage in exercise routines. This factor allows you to burn more calories than you consume and thereby lose excess fat.

Factor-4 Diet Plan:

These four factors enable a simple three-fold strategy in the Factor-4 Diet Plan that results in successful weight loss and sustained weight control:

- Carbohydrates, particularly refined sugars, should be restricted in accordance with portion control.
- Fats, particularly saturated fats, should be restricted at all costs
- High-value protein, particularly Health-Plus Proteins™ enriched in Power Amino Acids™, should be amply supplemented in the diet to curb hunger pangs, famished states and binge eating.

Power Amino Acids™ & Health-Plus Proteins™ in Weight Control

Factor-4 Weight Control™ represents a balanced mixture of Power Amino Acids™ and Health-Plus Proteins™ that represents the optimal treatment for protein deficiency states that lead to overweight disorders.

Proteins Contain Essential and Nonessential Amino Acids

Proteins are made up of 20 different amino acids (see table). Whereas most bacteria, yeast and plants can synthesize all 20 amino acids, mammals, including humans, can synthesize only about half of them, generally those with simple synthetic pathways. This limitation means that humans are totally dependent on dietary sources of these amino acids usually found in the “food chain”.

The table below lists all of the amino acids according to their name, their three-letter code, their status as essential or nonessential, their charge and their supplemental status as power amino acids.

Amino Acid	3-letter code	Dietary Status	Charge	Supplement Status
L-Isoleucine (branched)	Ile	Essential		Power
L-Leucine	Leu	Essential		Power
L-Methionine	Met	Essential		Power
L-Phenylalanine	Phe	Essential		Power
L-Tryptophan	Trp	Essential		Power
L-Valine	Val	Essential		Power
L-Threonine	Thr	Essential		Power
L-Lysine	Lys	Essential	Positive	Power
L-Arginine	Arg	Essential ¹	Positive	Power
L-Histidine	His	Essential		Power

L-Alanine	Ala	Nonessential	
L-Glycine	Gly	Nonessential	
L-Aspartic acid	Asp	Nonessential	Negative
L-Glutamic acid	Glu	Nonessential	Negative
L-Proline	Pro	Nonessential	
L-Serine	Ser	Nonessential	
L-Glutamine	Glu	Nonessential	
L-Asparagine	Asn	Nonessential	
L-Cysteine	Cys	Nonessential	
L-Tyrosine	Tyr	Nonessential	

Ten (10) of these amino acids are “nonessential”, which means they are synthesized by the body and are therefore nonessential in the diet. Under conditions of transient protein deficiency, during sleep and during fasting periods, the body can synthesize these amino acids. Because the body can synthesize these amino acids, they are of little concern.

However, ten (10) of these amino acids are considered “essential”, which means that they are not synthesized by the body and therefore are essential components in the diet. Under conditions of transient protein deficiencies, these are the first amino acids to become deficient. Consequently, essential amino acids are of great concern.

Distribution

Distribution of Factor-4 Weight Control™ will be handled through the SMRTconnect program using existing B-OND clients as a front line list. With a 96% success rating, the referral rate from happy clients will be considerably higher than normally anticipated. In addition, response and sales conversion rates will benefit from use of the consumer approval revenue model.

B-OND Brain Wellness

The Life Quality Project would be incomplete without addressing overall brain wellness in addition to the protein health and adrenal system wellness. Neurotransmitters are the brain chemicals that communicate information throughout our brain and body. They relay signals between nerve cells, called "neurons." The brain uses neurotransmitters to tell your heart to beat, your lungs to breathe, and your stomach to digest. They can also affect mood, sleep, concentration, weight, and can cause adverse symptoms when they are out of balance. Neurotransmitter levels can be depleted many ways. An estimated 86% of Americans have suboptimal neurotransmitter levels. Stress, poor diet, neurotoxins, genetic predisposition, drug (prescription and recreational), alcohol and caffeine usage can cause these levels to be out of optimal range. Research also indicates that neurotransmitter imbalances are related to depression and behavior disorders in children and adults. The productivity loss to society as the result of deregulated brain function is staggering.

The B-OND Brain Wellness initiative directly attacks the root cause of neurotransmitter imbalance. In collaboration with Neurogistics, Inc., B-OND will diagnose and treat neurotransmitter balance with a proprietary protocol based on amino acid therapy.

Neurotransmitter Testing & Amino Acids

While neurotransmitter testing is relatively new in United States, introduced here in the last five years, it was originated and developed in Germany approximately 15 years ago. Over this period of time, normative data has been established and our analyses are measured by this standard. This unique method of testing allows experts in the field to create protocols utilizing proven amino acids regiments.

Based on the German technology for testing neurotransmitter in the urine this science examines the correlation between peripheral levels of neurotransmitters and the brain. The neurotransmitters that are produced in the brain require the same amino acid precursors and enzymes for synthesis as they do in the body. Based on this connection urinary neurotransmitters give us a reflection of neurotransmitter imbalances that can result in symptoms and conditions such as depressions, anxiety, ADD/ADHD, headaches, migraines, fatigue, weight issues, insomnia, memory problems, and chronic pain.

Amino acid therapy is a term used to describe the use of supplemental amino acids to help balance brain chemicals (neurotransmitters) and other aspects of the physiology. For this type of treatment to be most effective, it should include a specialized urinalysis test which provides a reliable means of measuring excretory values for neurotransmitters. From those findings an individualized protocol of amino acid supplementation is devised to improve the quantity and ratios of neurotransmitters in the brain.

Comprehensive personalized programs

The B-OND Brain Wellness Program will include:

- Exclusive, proprietary clinical laboratory assessment starting with an easy-to-use, in-home testing kit.
- Expertise from a clinician specialized in neurotransmitter testing and evaluation.
- A customized Brain Wellness Report including:

- a personalized protocol of targeted amino acids, vitamin co-enzymes, and mineral supplements;
- simple dietary recommendations and lifestyle guidelines that enhance neurotransmitter performance.
- Step-by-step, comprehensive Progress Monitoring to help you get the most from your personalized program.
- Consults with B-OND/Neurogistics certified clinicians when required or as a support option at any time during your program.

The B-OND/Neurogistics website

The B-OND Brain Wellness Program will utilize the Neurogistics website providing a password-protected, confidential online health assessment questionnaire. All responses are kept confidential. The site will guide clients through the simple questions so they can provide a health history and current situation. Accurate information is essential for preparing a personalized B-OND/Neurogistics Brain Wellness Report.

While the program and supplements are all natural, certain medications can have an effect on some protocols. In addition, some supplements can influence the effects of prescribed medication. As with any health-related program, we encourage clients to check with their doctor before embarking on the B-OND Brain Wellness Program.

Based on this information, the website will be used to publish a client report which provides everything needed to start progressing on the program, including:

- Laboratory results and interpretation (when previous tests have been conducted, all findings will be listed).
- Specific recommendations for individualized supplement, dietary and lifestyle programs, with easy-to-read/follow directions so clients can immediately and simply begin to add them into their day.
- Neurotransmitter information—This section is designed to provide clients with a quick reference to understand the role of neurotransmitters.
- Clients preferring to work through a certified clinician will have reports furnished to the clinician so they can consult with him/her directly about how to proceed with the program.

The B-OND/Neurogistics website also includes a step-by-step, comprehensive Progress Monitoring System to help clients get the most from their personalized program. The monitoring system includes reminders and helpful tips to aid in adoption of the protocols.

The Progress Monitoring System will help a client:

- track their success by starting with a baseline to refer back to monthly;
- be aware of when it's time to transition and adjust their program;
- remember when to retest;
- maximize their success by providing useful tips.



B-OND/Neurogistics Certified Practitioners

Just as with the B-OND Body Wellness System, the B-OND Brain Wellness system will be delivered through a network of certified clinicians. Some clients with certain diagnoses or who are on particular medications are required to work with trained professionals. Others, who prefer the support of a one-on-one relationship with a clinician, have that option at any time during the program. B-OND/Neurogistics professionals are trained in the B-OND programs and are available for phone consults, should a client want or need them.