Implementing the Five-Part Nutrtional Wellness Protocol for the Treatment of Various Health Problems

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For many patients, this basic protocol, consisting of: 1. the Paleo-Mediterranean diet; 2. multivitamin/multimineral supplementation; 3. additional vitamin D3; 4. combination fatty acid therapy, with an optimal balance of ALA, GLA, EPA, DHA, and oleic acid; and 5. probiotics (including the identification and eradication of harmful yeast, bacteria and other "parasites"), is all the treatment they need. For patients who need additional treatment, this foundational plan still serves as the core of the biochemical aspect of their intervention. Of course, in some cases, we have to use other lifestyle modifications (such as exercise), additional supplements (such as policosanol or antimicrobial herbs), manual treatments (including spinal manipulation), and occasionally, select medications (such has hormone modulators) to obtain our goal of maximum improvement.

The following examples show how the five-part protocol serves to benefit patients with a wide range of conditions. For the sake of saving space, I will use only highly specific citations to the research literature, since I provided the other references in the September 2005 issue of Nutritional Wellness and elsewhere.¹

A man with high cholesterol. This patient is a 41-year-old, slightly overweight man with very high cholesterol. His total cholesterol was 290 (normal < 200), LDL cholesterol was 212 (normal <130), and triglycerides were 148 (optimal <100). I am quite certain nearly every medical doctor would have put this man on cholesterol-lowering statin drugs for life. Treatment: In contrast, I advised a low-carb Paleo-Mediterranean diet. because such diets have been shown to reduce cardiovascular mortality more powerfully than "statin" cholesterol-lowering drugs in older patients.² Likewise, fatty acid supplementation is more effective than statin drugs for reducing cardiac and all-cause mortality.3 I added probiotics, because supplementation with Lactobacillus and Bifidobacterium has been shown to lower cholesterol levels in humans with high cholesterol.4 Finally, I also prescribed 20 mg of policosanol, for its well-known ability to favorably modify cholesterol levels. 5 **Results:** Within one month, the patient had lost weight, felt better, and his total cholesterol had dropped to normal at 196 (from 290!); LDL was reduced to 141, and triglycerides were reduced to 80. Basically, this treatment plan was "the protocol + policosanol." Drug treatment of this patient would have been more expensive, more risky, and would not have resulted in global health improvements.

A child with intractable seizures. This is a 4-year-old nonverbal boy suffering from 3-5 seizures per day, despite being on two antiseizure medications and having previously undergone several other "last resort" medical and surgical procedures. He also had a history of food allergies. **Treatment:** Obviously, there was no room for error in this case. We implemented a moderately low-carb hypoallergenic diet, since both carbohydrate restriction⁶ and allergy avoidance⁷ can reduce the frequency and severity of seizures. Since many "antiseizure" medications actually cause seizures by causing vitamin D deficiency,8 I added 800 IU per day of emulsified vitamin D3 for its antiseizure benefit.9 We also used 1 tsp per day of a combination fatty acid supplement that provides balanced amounts of ALA, GLA, EPA, and DHA, since fatty acids appear to have potential antiseizure benefits. 10 Vitamin B6 (250 mg of P5P) and magnesium (bowel tolerance) also were added to reduce brain hyperexcitability.11 Stool testing showed an absence of Bifidobacteria and Lactobacillus; probiotics were added for their anti-allergy benefits.¹² Results: Within about two months, seizure frequency reduced from 3-5 per day to one seizure every other day: an 87% reduction in seizure frequency. The patient was able to discontinue one of the antiseizure medications. His parents also noted several global improvements: The boy started making eye contact with people, he was learning again, and intellectually he was "making gains every day." His parents considered this an "amazing difference." Going from 30 seizures per week to four seizures per week, while reducing medication use by 50%, is a major achievement. Notice that this was accomplished using the basic wellness protocol, with some additional B6 and magnesium. It's highly unlikely that B6 and magnesium alone would have produced such a favorable response.

A young woman with full-body psoriasis unresponsive to drug treatment. This is a 17-year-old woman with head-to-toe psoriasis since childhood. She wears long pants and long-sleeved shirts year-round, and the psoriasis is a major interference to her social life. Medications have ceased to help. **Treatment:** The Paleo-Mediterranean diet was implemented. with an emphasis on food allergy identification.1 We used a multivitamin-mineral supplement with 200 mcg selenium to compensate for the nutritional insufficiencies and selenium deficiency common in patients with psoriasis; likewise, 10 mg of folic acid was added to address the relative vitamin deficiencies and elevated homocysteine common in these patients.¹³ Combination fatty acid therapy with EPA and DHA from fish oil and GLA from borage oil was used for the antiinflammatory and skin-healing benefits. 14 Vitamin E (1,200 IU of mixed tocopherols) and lipoic acid (1,000 mg per day) were added for their anti-inflammatory benefits and to combat the oxidative stress that is characteristic of psoriasis. ¹⁵ Of course, probiotics were used to modify gut flora, which is commonly

deranged in patients with psoriasis. ¹⁶ **Results:** Within a few weeks, this patient's "lifelong psoriasis" was essentially gone. Food allergy identification and avoidance played a major role in the success of this case. When I saw the patient again nine months later for her second visit, she had no visible evidence of psoriasis. Her "medically untreatable" condition was essentially cured by the use of my basic protocol, with the addition of a few extra nutrients.

A man with fatigue and recurrent numbness in hands and feet. This 40-year-old man had seen numerous neurologists and had spent tens of thousands of dollars on MRIs, CT scans, lumbar punctures, and other diagnostic procedures. No diagnosis had been found, and no effective treatment had been rendered by medical specialists. Assessments: We performed a modest battery of lab tests, which revealed elevations of fibrinogen and C-reactive markers of acute inflammation. Assessment of intestinal permeability with the lactulose-mannitol assay showed major intestinal damage ("leaky gut"). Follow-up parasite testing on different occasions showed dysbiosis caused by Proteus, Enterobacter, Klebsiella, Citrobacter, and Pseudomonas aeruginosa-of course, these are gram-negative bacteria that can induce immune dysfunction and autoimmunity, as described elsewhere.1 Specifically, Pseudomonas aeruginosa has been linked to the development of nervous system autoimmunity, such as multiple sclerosis.¹⁷ Treatment: We implemented a plan of diet modification, vitamins, minerals, fatty acids, and probiotics. The dysbiosis was addressed further with specific antimicrobial herbs (including caprylic acid and emulsified oregano oil¹⁸) and drugs (such as tetracycline, Bactrim, and augmentin). The antibiotic drugs proved to be ineffective based on repeat stool testing. Results: Within one month, I witnessed impressive improvements in the patient, both subjectively and objectively. Subjectively, the patient reported that the numbness and tingling had almost completely resolved. Fatigue was reduced, and energy was improved. Objectively, the patient's elevated CRP plummeted from abnormally high at 11 down to completely normal at one. Eighteen months later, the patient's CRP had dropped to less than one and fatigue and numbness were no longer problematic. Notice that this treatment plan was basically "the protocol" with additional attention to eradicate the dysbiosis we found with specialized stool testing.

A 50-year-old man with rheumatoid arthritis. This patient presented with a three-year history of rheumatoid arthritis that had been treated unsuccessfully with drugs (methotrexate and intravenous Remicade). The first time I tested his CRP level, it was astronomically high at 124 (normal is <3). Because of the severe inflammation and other risk factors for sudden cardiac death, I referred this patient to an osteopathic internist for immune-suppressing drugs; the patient refused, stating that he was no longer willing to rely

on immune-suppressing chemical medications. His treatment was entirely up to me. Assessments and Treatments: We implemented the Paleo-Mediterranean diet and a program of vitamins, minerals, optimal combination fatty acid therapy (providing ALA, GLA, EPA, DHA, and oleic acid), and 4,000 IU of vitamin D in emulsified form to overcome defects in absorption that are seen in older patients and those with gastrointestinal problems.¹⁹ Hormone testing showed abnormally low DHEA, low testosterone, and slightly elevated estrogen; these problems were corrected with DHEA supplementation and the use of a hormone-modulating drug (Arimidex) that lowers estrogen and raises testosterone. Specialized stool testing showed absence of Lactobacillus and Bifidobacteria and intestinal overgrowth of Citrobacter and Enterobacter, which were corrected with probiotics and antimicrobial treatments, including undycelenic acid and emulsified oregano oil. Importantly, I also decided to inhibit NF-kappaB (the primary transcription factor that upregulates the pro-inflammatory response²⁰) by using a combination botanical formula that contains curcumin, piperine, lipoic acid, green tea extract, propolis, rosemary, resveratrol, ginger, and phytolens (an antioxidant extract from lentils that may inhibit autoimmunity²¹). All of these herbs and nutrients have been shown to inhibit NF-kappaB and to thus downregulate inflammatory responses.²² Results: Within six weeks, this patient had happily lost 10 lbs of excess weight and was able to work without pain for the first time in years. Follow-up testing showed that his previously astronomical CRP had dropped from 124 to 7. This was a drop of 114 points in less than one month—better than had ever been achieved even with the use of intravenous immune-suppressing drugs!

This patient continues to make significant progress. Obviously, this case was complex, and we needed to do more than the basic protocol. Nonetheless, the basic protocol still served as the foundation for the treatment plan. Note that vitamin D has significant anti-inflammatory benefits and can cause major reductions in inflammation, measured by CRP.²³ The correction of the hormonal abnormalities and the dysbiosis, and downregulating NF-kappaB with several botanical extracts, also were critical components of this successful treatment plan.

Summary and Conclusions

These examples show how the five-step nutritional wellness protocol can be used as the foundational treatment for a wide range of health problems. In many cases, implementation of the basic protocol is all that is needed. In more complex situations, we use the basic protocol and then add more specific treatments to address dysbiosis and hormonal problems, and we can add additional nutrients as needed. However, there never will be a substitute for a healthy diet, sufficiencies of vitamin D and all five of the health-promoting fatty acids

(ALA, GLA, EPA, DHA, and oleic acid), and normalization of gastrointestinal flora. Without these basics, survival and the appearance of health are possible, but true health and recovery from "untreatable" illnesses is not possible. In order to attain optimal health, we have to create the conditions that allow for health to be attained1 and we start this process by supplying the body with the nutrients that it needs to function optimally. In the words of naturopathic physician Jared Zeff, "The work of the naturopathic physician is to elicit healing by helping patients to create or recreate the conditions for health to exist within them. Health will occur where the conditions for health exist. Disease is the product of the conditions which allow for it."²⁴

Although the chiropractic profession has emphasized spinal manipulation as its primary therapeutic tool, the profession always has appreciated holistic, integrative models of therapeutic intervention, health and disease. Chiropractic was the first health care profession in America to specifically claim that the optimization of health requires attention to the spiritual (emotional, psychological), mechanical (physical, structural), and chemical (nutritional, hormonal) aspects of our lives. 1 Chiropractic's founder, D.D. Palmer, 25 wrote, "The human body represents the actions of three laws—spiritual, mechanical, and chemical—united as one triune. As long as there is perfect union of these three, there is health." Accordingly, these cornerstones are fundamental to the modern definition of the chiropractic profession, recently articulated by the American Chiropractic Association:²⁶ "Doctors of Chiropractic are physicians who consider man as an integrated being and give special attention to the physiological and biochemical aspects including structural, spinal, musculoskeletal, neurological, vascular, nutritional, emotional and environmental relationships."

Regardless of your health profession, the cases I have described in this article demonstrate the importance of attending to the nutritional, hormonal, environmental and gastrointestinal aspects of human physiology for helping our patients attain optimal health.

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