

Case Study

49 year old white male with family history of ALZHEIMER'S DISEASE



The patient requested a nutritional evaluation so that he could take preventative measures to maintain or improve his health. SpectraCell's micronutrient testing showed multiple nutritional deficiencies in Vitamin B1, Vitamin B2, Vitamin B6, Pantothenate, Glutamine, Inositol, Carnitine, Magnesium, Coenzyme Q10, Selenium, Vitamin E and Glutathione. **Based upon his deficiencies, he was administered the following treatment protocol:**

- 1) Series of nutritional IV's to more rapidly correct these deficiencies**
- 2) Oral supplements**

It is important to note that the patient did not return for a follow up, his wife said he was "too busy"

A year later...

The patient was hospitalized after suffering another cerebral hemorrhage and developed a life threatening Stevens Johnson Syndrome after being given Dilantin medication for control of seizures. He had very high liver enzymes which were due to an adverse reaction to the Dilantin. They were told he might need a liver transplant or might not even live.

After reviewing his medical record, including the SpectraCell results, his original physician noted one of his nutritional deficiencies relevant to his current condition was Glutathione. Glutathione is a critical nutrient used to support the body's detoxification pathways in both the liver and kidney, and without this substance, detoxification of a drug such as Dilantin would be impaired. The physician advised his wife that he be given IV Glutathione. Unfortunately, the hospital physician did not follow this advice and treated him with steroids.

After a very stormy hospital course, the patient was brought back to his doctor's office a month later. He felt horrible. He was very pale and very weak, he had no appetite and he had profound malaise. Lab work obtained at that time included a normal CBC, GGTP 428 U/L, Alkaline phosphatase 222, AST 57, ALT 127. It was apparent the drug-induced hepatitis remained in spite of the steroid treatment at the hospital.

I began a series of 1,500mg IV Glutathione treatments twice weekly.

Clinical Outcome:

After the very first IV the patient stated he felt remarkably better, and by the fourth IV his strength was back to normal and his malaise had lifted. Repeat liver function studies a month later were all normal and showed an alkaline phosphate that dropped to 105, an AST of 16, and ALT of 20.

Conclusion:

This case study demonstrates that having the information available from this patient's SpectraCell testing was invaluable in allowing the physician to make treatment decisions that resulted in an excellent clinical outcome for a potentially life-threatening situation. It is the physician's opinion that had the patient received the IV Glutathione therapy while in the ICU and hospital, his hospital stay would have been shortened by weeks and hundreds of thousands of dollars in medical costs would have been averted.

The patient is currently active with his job and traveling, and according to his wife, is doing great.