

For Immediate Release

NEW RELATIONSHIP DISCOVERED BETWEEN SODIUM, POTASSIUM and CHLORIDE

Research funded by the Toxic Elements Research Foundation sheds new light on the relationship between sodium and potassium. It is known that these two acrobats are joined at the hip. Representing two of the most important ions in acting as butlers at the cell membrane, when not on that duty, they are primary traffic directors at the synapse and along nerve fibers. And yet, as often happens, the most important actors are the most misunderstood. It took years of monitoring these two, plus their cousin, chloride, to figure out what their levels actually meant.

It was not unusual for a doctor to find a high sodium level in the blood, and put the patient on a low sodium diet. The patient complied, the serum sodium went even higher, and the doctor said the patient lied. Next came the NO sodium diet, and the blood level went even higher.

Because of TERF's years of research, this makes perfect sense. There was one more avenue of testing that was missing: Hair analysis. Hair is more reflective of what is going on WITHIN the cell, while blood is supplying the needs OF the cell. Blood chemistry from the vast majority of patients observed over the past 30 years of data in blood chemistry had upsets in sodium and potassium. Most were deficient. This is based on thousands of blood and hair analysis that correlate this information.

As Dr. Hal Huggins, a spokesperson for the Foundations observes, “Should I see a high serum sodium level, my first thought would be ‘sodium deficiency’.” In cases of sodium cellular deficiency, the blood has the ability to create what he calls a “force system” trying to force sodium into a starving cell. How does it do that? “By developing, what is called scientifically, an osmotic differential. That means that the sodium concentration outside the cell is greater than the sodium concentration inside the cell, so the high level diffused into the cell to equalize the difference.”

“There are many reasons a cell can be starving,” he continues, “usually a toxic metal, like mercury, is on the cell membrane altering its ability to allow nutrients to go into the cell, and either waste or manufactured products to exit. These patients generally experience some sort of neurological disease in which nerve impulses do not seem to reach their destination, and general efficiency is down. Sick chemistries and low energy levels are common.”

“Potassium, for the most part, follows the same pattern except that many things lower potassium. Almost all drugs, prescription or not, and over-exercise, create a deficit. Sighting in on the stability points of all three, sodium, potassium and chloride must be done simultaneously. They are all 3 upset by sea salt, although it is heavily advertised to be some celestial gift. Not so. But, you can upset all 3 by another common suggestion. Drink lots of water. That depletes the body of sodium, potassium, chloride, and contributes to neurological problems while supposedly washing out toxins. This system is manageable, but initially it takes lots of monitoring and juggling to establish maximum efficiency.”

About Toxic Elements Research Foundation

TERF, a non-profit research foundation, is dedicated to stimulating interest in the research community as well as informing the public to become aware of potential problems associated with dental materials and procedures. Informed consent of potential problems makes for better informed decisions by the patient – especially where health is at risk.