

**Hopkins L, Countryman J, Blum CL. Investigating new bonds in patient care to develop an engineering platform for the health care sector: A case report. 2nd Annual Sacro Occipital Technique Research Conference Proceedings: New Orleans, LA. 2010:101-5.**

**Introduction:** The purpose of this study is to attempt to meet this challenge through manipulation of the enteric nervous system (ENS) by utilizing a new field in bioengineering, Enteric Structural Mechanics© (ESM), in chiropractic care. A 32-year-old male presented to an engineer for assistance with anxiety, depression and addictive tendencies in January 2007.

**Interventions/Methods:** Using ESM tools, the individualized growth process for this patient was defined and mapped. The patient was referred to an SOT chiropractor for concurrent cranial, spinal, and pelvic treatment and the treatment.

**Results:** By the time treatment was concluded (4-months) the patient's visual analogue scale improved with a decrease in pain from 5/10 to a 0/10. His antalgic posture and his left lateral pelvic deviation both returned to midline with significant improvement of anxiety, depression, and addictive tendencies.

**Conclusion:** With the subtly and diffuse nature of autonomic somatic reflex relationships a sensitive tool such as the ESM may help uncover subclinical conditions which may have been missed through other protocols. Understanding and being able to predict a patient's cyclical body patterns may help give both the chiropractor and patient a sense of comfort during the period of time when psychogenic components surface somatically within the body.

