University Gait Trials

STUMBLING GAIT

Nova Strong’s mission is to remediate the consequences of a “stumbling gait“.
Gait abnormalities are a manifestation of nervous system dysfunction. These conditions may be caused by a wide variety of disorders which affect motor control, sensory feedback and muscle strength including:

- Central Nervous System Diseases
- Peripheral Nervous System Diseases
- Neuromuscular Diseases
- Muscular Diseases

An edited list of Medical Conditions includes 26 major medical conditions and several other which result in Stumbling Gait. See Causes of Unsteady Gait list at MedicineNet.com – Unsteady gait.

Motor Neuron Disease is fully reported by the (NINDS) the National Institute of Neurological Disorders and Stroke Index of the US Department Health & Human Services. There are [439] four hundred thirty nine diseases listed therein.

Diseases listed as causing a stumbling gait are as self-evident as Alcoholism, Alzheimer, Cerebral Palsy and as unlikely as Whooping Cough. Not everyone afflicted with these diseases numbering well in excess of 550 suffers from a Stumbling Gait but some do.

Nova Strong has as a corporate purpose to facilitate the implementation of its own invention of a new 21st century actuating orthotic, dispensing to patients the discovery of others inventors of actuating orthotic devices; implementation of a 21st century information agency which will generalize knowledge to clients which will serve to improve and hopefully normalize human gait.

Corporate emphasis is to make available to its clients the “least invasive most efficacious most affordable” orthotic device for remediation of “stumbling gait. Corporate model is to provide all clients with services to enable the client and his physician to accurately discern which of the hundreds of existent and future orthotic and therapy including shoes solutions is best for the client. This can only be determined by individuated opinions after relevant analysis. Such analysis minimally will require some “as is” gait investigation. Thereafter follow-up with
alternate devices ranging from appropriate shoes through and including body braces will be recommended. Uniquely to Nova Strong, an “on line- feedback” mechanism is established to continue to solicit user “feedback” to investigate user satisfaction.

Corporate will treat with continuing-care the “feedback” reports as to client changes in status as a disease improves or worsens. Our broad referral capacity is available to enable client’s lifelong access to the most appropriate resource.

Corporate emphasis is further committed to invent itself or support invention by others before 2010 of a “21st century state-of-the-art for “dropped foot”.

This “stumbling gait” condition arises universally; science medical and technical capacity to correct a cause namely “dropped foot” has expanded geometrically; a wearable actuating orthotic is months not years away. If/when an intensive employment of existent science is undertaken to fabricate a “actuating orthotic. Nova Strong will lead and cooperate with others in this worthy venture.

A concomitant corporate purpose is the international promulgation of knowledge of a new and advanced “state of orthotic art” to professionals charged as responsible for writing prescriptions for patients needing orthotics. User experience being the key to wearable orthotics we at Nova Strong are committed to becoming an international medium for transmission of user feedback.

Nova Strong arising from its corporate purpose is also committed to opening maintaining and cooperating with the leading “Gait Training and Evaluation Centers”. University, Hospital and Private Agencies including Senior, pediatric providers’ Medical and sports related facilities throughout the world would have a central location to both report to and obtain from objective evaluations of gait improvement/regression resulting from marketed orthotics. Such clinical trial data will then be reported instantly to researchers, physicians, therapist and Manufacturers. Idiosyncratic difficulties resulting from particular imbalances can be recognized and remediated saving users from falls with resultant disabilities.