

## THE MILLENNIUM-WARRIOR ANGELS FOUNDATION TBI PROJECT

The Millennium-Warrior Angels Foundation (MWAF), was established in 2014, by the virtual joining of the Millennium Health Centers, Inc. with the Warrior Angels Foundation (501c3). The Millennium Health Centers, Inc. was founded in 2001 by Mark L. Gordon, MD to develop and provide hormonal replenishment strategies for both male and female clients. In 2004, the direction turned from Interventional Endocrinology to Neuroendocrinology in a quest to address the cognitive and personality changes experienced by those who had sustained injuries categorized as mild or moderate traumatic brain injury.

In December 2007, Dr. Gordon released his first book; *A Clinical Approach to Interventional Endocrinology*, which serves as the foundation for his work in translational endocrinology up until the release in May 2015, of – *Traumatic Brain Injury* – *A Clinical Approach to Diagnosis and Treatment*. At the time the TBI book was published, it represented the cumulative approach developed over the initial 11 years addressing the cognitive and neurobehavioral changes that are precipitated by single or multiple traumas to the head (and/or body). In July 2006 and January 2007, Dr. Gordon participated in two ESPN Outside the Lines programs where he shared his clinical experience assessing and treating both professional Boxers and NFL players who had complications arising out of their sports. (http://tbimedlegal.com/id84.html)

In 2014, Sergeant First Class, Andrew Marr (ret) and his brother Captain Adam Marr (Apache pilot retired), co-founded the Warrior Angels Foundation, a 501(c3), with the mission to identify non-traditional medical interventions to address both TBI and PTS without the use of polypharmacy. Prior to founding the WAF, Andrew Marr had experienced the conventional approach to treatment of PTS (rightfully TBI) having been prescribed 13 different medications subsequent to his multiple Blast Traumas. When his polypharmacy failed to control his explosive temper, emotional breakdowns, crying jags, loss of focus, loss of cognition, disorientation, and lack of libido he added alcohol to numb his emotions even further. As a back-up, he carried his shot-gun looking for the right time and place. Thankfully, he had a moment of clarity and realized he had to find an alternative approach to treatment that did not leave him feeling like a dead man walking.

In April/May 2014, Andrew Marr became a client of the Millennium-TBI Project. His first encounter involved a laboratory blood test consisting of 28 bio-markers which is interpreted on a non-standard paradigm. Based upon these results, the goal was/is to return those markers to optimal levels using pro-hormones, neurosteroids, and neuroactive steroids. In addition, a small group of natural anti-inflammatory nutraceuticals are introduced into the treatment protocol.

Since 2014, the MWAF has seen and funded the majority of over 200 Veterans and Active Service members. Additionally, the MHC has seen and treated over 1200 civilians with a diversity of injuries using the 28 Bio-marker panel and treatment with neurosteroids and nutraceuticals.

The WAF acts as an administrative organization providing general information, enrollment applications, and financial support to veterans. Recently, we have had outside service organizations provide ear-marked funding for their selected personnel to be assessed and treated within our program.

The Millennium-TBI Project (MHC), has developed a 28-point bio-marker panel and an algorithm to improve the interpretation of the results so that treatment with neurosteroids and anti-inflammatory nutraceuticals would achieve an optimal response in the shortest and safest time possible. Presently, an AI program is being developed to standardize the interpretation of the lab results and provide recommendations for optimal treatment. This will accelerate the learning curve for recruitment of healthcare providers and expand the number of Millennium-TBI Centers in the USA. The Millennium (MHC) is all about Translational Neuroendocrinology applying the science that already exists into clinical practice. (2017.10.07)

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After supporting the enrollment of over 200 veterans and financially providing laboratory testing, treatment protocols, and medical consults for periods of 12 - 36 months, the WAF ran out of funds to use for new clients. Since the beginning of 2017, veterans have paid for their own evaluation and treatment receiving subsidy from the Millennium Health Centers, Inc. In addition, funds generated by the national sale of products developed by the Millennium have been used to off-set a veterans cost of treatment. We are looking for funding to help continue our program to provide our services to more veterans and to active service.

Since 2015, we have trained a group of physicians in our approach, laboratory testing, and treatment protocols so that we are scalable and able to accept large numbers of new veterans and civilians. Twice a year the MWAF provides an advanced training program for physicians that are already practicing hormone replacement therapies. Once they take the course, read the book, and take a 4-hour examination, they are certified and offered a position in our physician network – The MWAF TBI Network.

Potential clients (Veterans, Active Military, and Civilians) enroll at the website where they receive an enrollment packet. Once funding is secured for military clients they will be directed to WAF for this process. At this time, it is at the TBImedlegal website. Once the enrollment packet is return our office (or WAF for military) contacts the client to arrange for their remote blood draw through our laboratory – AML. Regardless where the labs are drawn they are sent to the laboratory for processing. Within a week the results are sent to Dr. Gordon at the Millennium where he reviews the patient's history and medication, and generates a 4-page report. The report reviews each of the markers and provides a statement regarding the status of each element in the laboratory testing. Included in the report is a proposed treatment Protocol. The client is sent a copy of this report with instructions to arrange for an in office, skype or phone consult to review the results and explain treatment. Since 80-90% of the treatment is non-prescription, the need for a physician to prescribe medication is small. In these cases, we request the participation of the client's primary care physician.

Within the report there are instructions for follow-up labs and the participation in the monthly program questionnaire (MPQ), a means to stay connected every 30 days. The client reports on 25 subjective points pertaining to Psychological, Physical, and Physiological functioning. These are reviewed by the doctor and a response produced to the client. The MPQ is a valuable tool to maintain a continuum of timely interactions so that adjustments can be made in a timely manner. Laboratory follow-up (maintenance panel) is performed at 3 months, 6 months and 12 months.

The time it takes for a client to respond to their personalized protocol in unpredictable. It might be 48 hours or 18 months regardless of the nature and extent of their injury and when it occurred.



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