

Abstract Submitted
for the APR18 Meeting of
The American Physical Society

Method of and System for Determining a Highly Accurate and Objective Maximum Medical Improvement Status and Dating Assignment JERRY ARTZ, Hamline University, Saint Paul MN, DANIEL PENN, JOHN ALCHEMY, Alchemy Logic Systems, Santa Rosa CA, HAMLIN UNIVERSITY/RATE-FAST COLLABORATION — We have developed a unique medical-physics computational algorithm to determine Maximum Medical Improvement (MMI) for a biological data set and consequent functional recovery. MMI occurs when an injured individual has received all available treatment and no further improvement is anticipated in the next one year. When the date of MMI is determined, permanent impairment may then be assigned providing the value of the injury's permanent functional loss. This loss is realized in percent of whole person impairment (%WPI) as the convention set forth by the American Medical Association's *Guides to the Evaluation of Permanent Impairment* (AMA's Guides). The present system for determining MMI status on an injured individual is highly subjective and variable across medial evaluators resulting in additional massive costs of delay along with costs of societal and business corrective action. The algorithm discussed gives a clear, innovative, methodical, and objective solution. This work is an interdisciplinary collaboration between the medical field and physics community.

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Date submitted: 12 Jan 2018

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