



GREATER METROPOLITAN WASHINGTON AREA EDUCATIONAL LECTURE

WHEN

WEDNESDAY, JANUARY 16, 2019

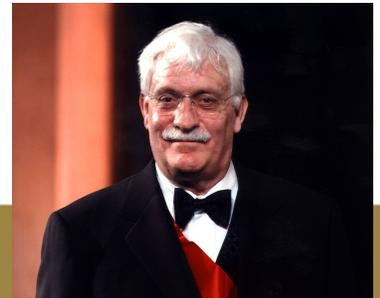
6:30 p.m. Meet and Greet | **7:00 p.m.** Lecture

WHERE

Doctors Community Hospital, 8100 Good Luck Road,
North Building, DSE Room, 5th Floor, Lanham, MD, 20706

SIGN UP

csfinfo.org/1-16-19-dcmeeting



EXPERT SPEAKER

Dr. Raymond Damadian, *Inventor of MRI*

TOPIC

The Story of MRI: MRI's Profound Current Prospects of Visualizing and Quantifying Cerebrospinal Fluid (CSF) Flow and the Role of CSF Flow Obstruction in the Genesis of the Symptomatology of Chiari, Syringomyelia and the Neurodegenerative Diseases

BIO

Chosen at the age of 15 as a Ford Foundation scholar, Raymond Damadian majored, as an undergraduate, in mathematics and minored in chemistry, but also found physics and biology fascinating. Four years later, when he returned to his native New York to enroll in medical school, he was drawn toward a career in research and eventually into a 10-year quest to unlock the mysteries of cell metabolism and chemical transport. That search led him to consider the possibility that physics' nuclear magnetic resonance might be a powerful diagnostic tool for medicine.

In 1970, Raymond Damadian, M.D., made the discovery that is the basis for magnetic resonance (MR) scanning - that there is a marked difference in relaxation times between normal and abnormal tissues of the same type, as well as between different types of normal tissues. This seminal discovery remains the basis for the making of every MRI image ever produced, is the foundation of the MRI industry.

Dr. Damadian went on to build Indomitable, the first MR scanner, which produced the first human image on July 3, 1977 and the first scans of patients with cancer in 1978. Indomitable has since assumed its rightful place in the Smithsonian Institute.

The significance and importance of Dr. Damadian's discovery in the origination of MRI was acknowledged by the U.S. Supreme Court in 1997, when the Court enforced Dr. Damadian's original patent and the MR scanner device was subsequently approved by the FDA in 1984.

Read more about Dr. Damadian at csfinfo.org/1-16-19-dc-meeting