**Dr. Cuttler Bio for NOSM website**

Dr. Cuttler completed engineering physics at the University of Toronto in 1964 and received his M.Sc. diploma in nuclear engineering and D.Sc. diploma in nuclear sciences at the Israel Institute of Technology in 1968 and 1971. He managed a radiation detector manufacturing company for three years.

Atomic Energy of Canada Limited employed Dr. Cuttler from 1974 until 2000 in the design, construction, and operation of about 25 CANDU reactors in Canada and overseas. For the past 20 years, he has been supplying technical services to clients and participating in the activities of about ten professional organizations.

Since 1995, Dr. Cuttler has been collaborating with renowned medical scientists in many studies on the health effects of ionizing radiation and has authored or coauthored more than 70 articles. Most are in peer-reviewed journals. He has gathered, assessed, and communicated evidence of radiation-induced beneficial health effects, drawing attention to dose thresholds for the onset of detriment after an acute exposure and dose-rate thresholds for detriment in lifelong exposures.

After recommending low-dose X-ray treatment of a woman in hospice with severe Alzheimer’s disease and observing remarkable improvements in her cognition and behaviour, in 2015, Dr. Cuttler initiated and led a pilot clinical trial at the Baycrest Hospital and Sunnybrook Hospital, in Toronto. The results were published on April 6th, 2021, in the Journal of Alzheimer’s Disease. Major funding has been donated to Baycrest, and additional clinical trials are underway.

In 2017, a team of scientists in Japan invited Dr. Cuttler to collaborate in the preparation of four case-report manuscripts on their successful radon inhalation treatments of several patients with severe, late-stage diseases: five different types of cancers, colitis, rheumatoid arthritis, and two kinds of autoimmune diseases. The papers about these very controversial treatments were published in a peer-reviewed journal.

When the COVID-19 outbreak became a pandemic in March 2020, Dr. Cuttler wrote to the U.S. FDA urging the initiation of a small clinical trial on the efficacy of a low dose of X-rays to the lungs of the patients with acute respiratory distress syndrome. More than 15 clinical trials on this controversial therapy began in different countries. Encouraging results from many of the hospitals have been published.

Dr. Cuttler is a member of the following professional societies and associations

* Professional Engineers of Ontario
* Canadian Nuclear Society (President - 1995/6, Fellow since 2000)
* American Nuclear Society
* American Physical Society
* Canadian Radiation Protection Association
* Health Physics Society
* International Dose-Response Society (Career Achievement Award – 2011)
* American Council on Science and Health (Advisory Board)
* International Nuclear Energy Academy
* Canadian Standards Association