

Lawrence B. Marks, M.D.

Sidney K. Simon Distinguished Professor of Oncology Research and Chair, Department of Radiation Oncology at UNC-Chapel Hill

Chapel Hill, NC, US

Professor Marks studies radiation-induced injury to the lungs and heart

Dr. Marks, Distinguished Professor in Radiation Oncology at the University of North Carolina at Chapel Hill, received a B.S. in Chemical Engineering (Cooper Union 1981), an M.D. (University of Rochester, 1985), had residency training at Massachusetts General Hospital, and was faculty at Duke for 19 years and joined UNC in 2008 as Chair of Radiation Oncology. Clinically he focuses on breast and lung cancer. His research aims to improve the therapeutic ratio of radiation, largely through better understanding radiation-induced normal tissue injury. In particular, he has extensively studied radiation-induced damage in the lung and heart. He helped to lead an international effort to develop dose/volume/outcome standards called QUANTEC. Dr. Marks is interested in human-factors engineering, has studied the frequency/causes of ?human-errors? in the clinic, and has implemented systems aimed to reduce errors. He serves on several national committees aimed to improve patient safety. He has written many papers and recently a book about this sensitive issue.

Research, Education/Learning, Health and Wellness

Oncology, Clinical Research, Radiation-Induced Normal Tissue Reactions, Radiation-Induced Injury to the Lung and Heart, Three-Dimensional Radiation Treatment, Radiation Therapy, Radiation Oncology

Massachusetts General Hospital
Residency Radiation Medicine

University of Rochester
M.D. Medicine

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