



GE Healthcare



Yacov Itzhak, M.D., Ph.D.



Prof. Yacov Itzhak was born in Bagdad, Iraq in 1939 and immigrated to Israel in 1950. He attended Medical School at the Hebrew University in Jerusalem and graduated in 1965. During the years 1968 –1972, he specialized in Diagnostic Radiology. In 1977, he received a Ph.D. degree from the Weizman Institute of Sciences in Rehovot. He served as a Major in the Israeli army, supervising Radiology and Radiation service.

Since 1982 he is a full Professor of Diagnostic Radiology at the Tel Aviv University.

Between 1975 – 1977 he was a visiting assistant professor of radiology at the Department of Diagnostic Radiology at Yale University, focusing on diagnostic ultrasound. Upon his return to Israel, he established the diagnostic Ultrasound unit at Sheba Medical Center and founded the Israeli Society for Ultrasound in Medicine, which he chaired for 10 years.

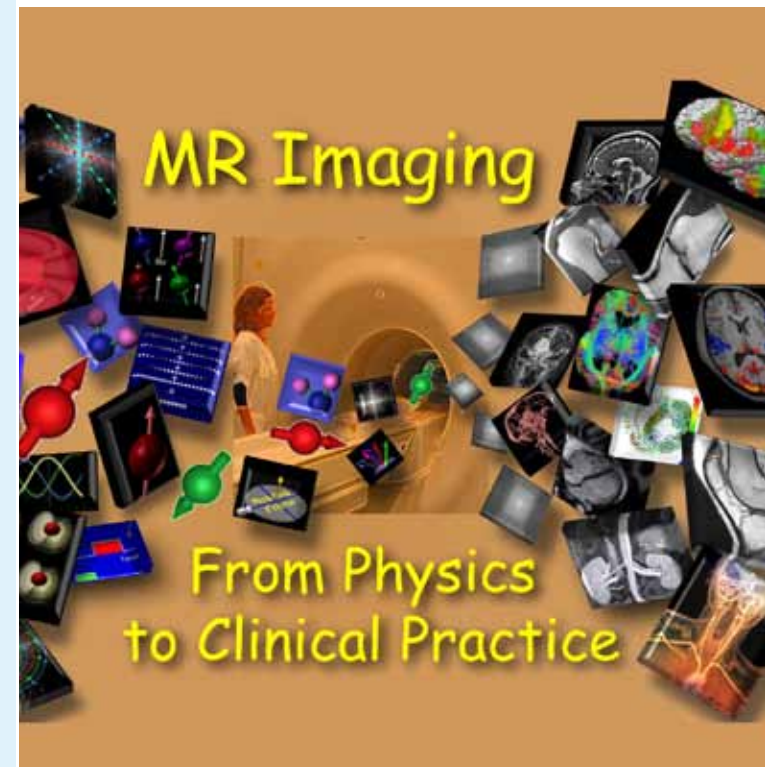
Prof. Itzhak was the Head of the Diagnostic Imaging Department at the Chaim Sheba Medical Center between the years 1987-2010. Between the years 1992-1996 and 2000-2004 he was also chairman of Diagnostic Imaging Faculty at Tel Aviv University (Sackler Medical School). During the mid-80's the first clinical MRI scanner in Israel (Elscent) was installed in Sheba Medical Center. Ten years later Prof. Itzhak collaborated with IBM Israel on the development of the first PACS (Picture Archive Computerized systems) system in Israel.

His main research interests are early cancer detection, breast imaging, thermal ablation, PACS, Functional MRI and teaching and management in radiology.

He is the author of more than 160 scientific papers, participated in multiple international conferences and is an active member in nine Radiological Societies, both local and abroad. Since his retirement he volunteers in the Department of Diagnostic Imaging in Sheba Medical Center, being active in both clinical, and research work.

Prof. Itzhak is married and has three children and two granddaughters.

We are proud to dedicate this MRI course to Prof. Yacov Itzhak, a pioneer in Imaging and a man of vision.



22-23.2.2012

Sourasky Auditorium The Chaim Sheba Medical Center

In Honor of Professor Yacov Itzhak

Walter Kucharczyk, M.D., FRCPC



Walter Kucharczyk is a professor in the departments of Medical Imaging and Surgery at the University of Toronto, and the Director of Magnetic Resonance Imaging at the University Health Network and Mt. Sinai Hospital.

Walter Kucharczyk was Professor and Chair of the Department of Medical Imaging from 1991 to 2007, and is Past-President of the International Society of Magnetic Resonance in Medicine (ISMRM), the largest research and education group in the world (5000 members) devoted to developing and teaching magnetic resonance imaging and spectroscopy to doctors and scientists. He received the Distinguished Service Medal of the ISMRM in 2010 and was chosen a Fellow of the Society the same year. He is also a Hans Fischer Senior Fellow of the Institute of Advanced Studies at the Technical University of Munich. He has written over 100 scientific papers, and has been invited to give more than 200 international lectures on every continent on topics related to MRI. He is an internationally recognized authority on MRI.

Donald Plewes, Ph.D



Dr. Plewes is Professor Emeritus in the Department of Medical Biophysics of the University of Toronto. He is an imaging scientist with research focusing on the physics of MRI. Together with his students, he has authored over 160 peer reviewed papers on various aspects of the physics of medical imaging and has delivered over 250 presentations at various international

meetings including the RSNA and ISMRM. A recent focus of his research is the application of breast MRI to the screening of hereditary breast cancer, helping to launch a new government funded MRI screening program within the Province of Ontario.

Jean-Denis Laredo, M.D.



Jean-Denis Laredo is a Professor of Radiology (outstanding class) in the Denis Diderot Medical School, Université Paris 7. He is the head of Musculoskeletal Radiology service at the Hôpital Lariboisière, Université Paris since 1993. Between 2005 and 2007 he was the Chairman of the Radiology Department at the Hôpital Lariboisière,

Université Paris. He served as the Chief of Musculoskeletal Division at the Department of Radiology at the Hospital of the University of Pennsylvania, USA from 2008 to 2009. Since 1990, Jean-Denis Laredo is also co-director of Musculoskeletal Radiology, the resident program course and the radiology medical specialty at the Paris Universities. He served as a member of the Board of the Faculté de Médecine Lariboisière-Saint-Louis, Denis Diderot, Université Paris (1996-2009) and was the Vice-Dean between 2000 and 2002. He has written over 150 peer reviewed articles and 12 books in English and French. Jean-Denis Laredo is an internationally respected specialist in Musculoskeletal imaging.

Day 1: 22.2.2012

8:00-8:30	Registration & Coffee
8:30-9:00	Welcome: Prof. Zeev Rotstein Dr. Eli Konen
9:00-10:30	Introductory Lecture: Spin Gymnastics – Basic MRI Physics Prof. Don Plewes & Prof. Walter Kucharczyk (Toronto)
10:30-11:00	Coffee break
11:00-11:45	MRI signal intensity analysis in neurological disease Prof. Walter Kucharczyk (Toronto)
11:45-12:30	Factors defining MR image quality Prof. Don Plewes (Toronto)
12:30-13:15	MRI in Rheumatology Prof. Jean-Denis Laredo (Paris)
13:15-14:15	Lunch
14:15-14:40	Breast MRI Dr. Miri Sklair (Tel Aviv)
14:40-15:00	Prostate MRI Dr. Orith Portnoy (Tel Aviv)
15:00-15:45	MRI of Stroke Prof. Walter Kucharczyk (Toronto)
15:45-16:30	Neuro case review and quiz with audience participation #1 Prof. Walter Kucharczyk (Toronto)

Day 2: 23.2.2012

8:00-8:15	Registration & Coffee
8:15-8:35	Fetal MRI Dr. Chen Hoffmann (Tel Aviv)
8:35-9:00	Body MRI: From CT to MRI Prof. Sara Apter (Tel Aviv)
9:00-9:45	Making MRI go fast Prof. Don Plewes (Toronto)
9:45-10:30	Imaging evaluation of the patient with seizures & epilepsy Prof. Walter Kucharczyk (Toronto)
10:30-11:00	Coffee break
11:00-11:30	A tribute to Prof. Yacov Itzhak Dr. Eli Konen (Tel Aviv)
11:30-12:00	MRI in bone tumors Prof. Jean-Denis Laredo (Paris)
12:00-12:15	MRA: new techniques Dr. Eli Konen (Tel Aviv)
12:15-12:30	MRI safety: Respecting your MRI scanner, the Sheba experience Avishai Goldblatt (Tel Aviv)
12:30-13:15	MRI of brain tumors Prof. Walter Kucharczyk (Toronto)
13:15-14:15	Lunch
14:15-14:35	From CT enterography to MR enterography Dr. Michal Amitai (Tel Aviv)
14:35-15:20	Advanced pulse sequences Prof. Don Plewes (Toronto)
15:20-16:00	MSK case review and quiz with audience participation Prof. Jean-Denis Laredo (Paris)
16:00-16:30	Neuro case review and quiz with audience participation #2 Prof. Walter Kucharczyk (Toronto)