

Seminar On

Can Wireless Technology influence our health?

By

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(Lift 7)**

Abstract

There are many unanswered questions about possible health risks that may arise from exposures to various man-made electromagnetic fields where these human exposures are intermittent, recurrent, and may extend over a significant portion of the lifetime of the individual. Human beings are bioelectrical systems. Our hearts and brains are regulated by internal bioelectrical signals. Environmental exposures to artificial EMFs can interact with fundamental biological processes in the human body. When our body is bombarded by high dose of electromagnetic radiation or prolonged exposure, it is logical to believe that it can be harmful to our health. Such belief has been debated for the past decades and only recently, more and more medical evidence have emerged to substantiate such alarming fact.

The lecture serves to explore these questions from the perspective of a neurosurgeon, based on literature research as well as his past experience in the medical field.

Biography

After 13 years of Medical trainings in Ireland and Scotland, Dr Kwok returned to Hong Kong in 1985 and joined the Neurosurgical Department at Kwong Wah Hospital, and soon after became the Chief of Service of the Department.

In early 90's, the Neurosurgical Department at Kwong Wah Hospital was already one of the largest referral centre equipped with modern tools to operate on acute head injury and strokes cases. Dr. Kowk later turned his interest to interventional neuro-radiology and as experience gathered, his department became the centre of endovascular therapy. With his special interest in computer science, and by harvesting the research experience in computerized brain imaging during the 80's with the City Polytechnic University, Dr. Kwok prototyped the electronic patient record ePR database, image capturing and archiving for the Hospital Authority computer systems. Hong Kong IT achiever award was offered to him in 1993 for his contribution. He also managed to harvest the images from new spiral CT and MRI scanner for frameless stereotactic Robotic operation, and commenced the age of image guided minimal invasive neurosurgery in Hong Kong.

Now he is retired from his Kwong Wah Hospital position and taking up a research position at Hong Kong University of Science and Technology, Division of Biomedical Science as Adjunct Professor. He is now concentrating his effort in the research of stroke and development of new endovascular devices.

***** ALL ARE WELCOME *****

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