Interview with innovative healthcare leaders of Central Eastern Europe

**Short career description Fenyő Márta, inventor of the polarized light teherapy, manifested in the Bioptron and Sensolite healing light sources. (www.sensolite.hu)**: She was born in 1946 in Budapest. Her father was a textile wholesaler, her mother was a foreign language correspondent at an export-import company for 36 years, speaking four languages. She was a very naughty child finishing primary school while studying in three different schools. Then it was the superb Eötvös Gymnasium where she studied and learned a lot from outstanding teachers, receiving a very wide ranging view of the world. She loved history, literature and languages, but she was also good in mathematics, chemistry and physics. It was a pure chance that finally she went to study physics to ELTE University, Faculty of Sciences. Here also she had extremely good professors like Elemér Nagy, teaching the solid state physics , Lajos Jánossy, teaching the theory of probability, György Marx, teacher of quantum mechanics and elementary particles, Frigyes Károlyházi, teacher of the special and general theory of relativity, and many more. She learned German and English, then after university French, then she refreshed her Russian knowledges. She started to work at Medicor Works in 1969 in X-ray diagnostics, working on a project to create the optimal image algorithm. Her first invention is dated at that time and is used even nowadays, called Optix X-ray image corrector, offering contour and contrast enhancement, whilst using 50 % of the usually needed X-ray load (1970). She started to travel to conferences and consultations . Later she worked in blood diagnostics lab (haematology) . She discovered an automatic blood grouping measurement by digital image processing method. .

She left Medicor in 1978 and worked at Semmelweis University’s Biophysical Department studying the effect of laser beam in bacteriophages on molecular level.

Then she came in contact with Prof. Mester who treated patients having leg ulcers ( ulcus cruris ) with laser beam. She started to think about which particular feature of the laser beam may be responsible for the so called bio-stimulation, promoting the healing for example of the leg ulcers, and other biological processes. She came to the conclusion that this special feature is the polarization. This time she created the first simple lamp emitting polarized light, in a wide spectral range, made from a simple slide projector and in the early eighties they filed the first patent application in almost 60 countries. This was the point, when the EVOLITE lamp was created utilized for the polarized light therapy

In 1986 the Bioptron AG swiss company bought the licence rights of the Evolite lamp and renamed it for Bioptron Lamp. In 1990 she and her husband founded the Bioptron Health Center LTD in Hungary, in Budapest.

In the middle of the nineties the Bioptron AG was bought by the company Zepter, later on Zepter was selling the Bioptron lamp on the Hungarian market..

In the Bioptron Health Center in Budapest they were curing during 20 years almost 30 000 people, among others about 15 000 young people with very severe acne on their faces..

In 2004 she filed the basic patent application describing how to produce polarized light emitting surface with optional size and shape.

In 2007 she met Mr.Peter Klein, and their common company, the Polarium Ltd. succeeded to develop by November 2008 the first prototype of the SENSOLITE Light –Bed, curing by polarized light. The SENSOLITE Light – Bed was tested with outstanding results. For example, when treating with Sensolite a muscle rupture of the thigh it was healing during 5 days instead of 9 weeks in normal cases.

In Hungary there are several Sensolite franchise centers, where patients are treated in several major disease fields like stimulation of the immune system, allergy backbone therapy, sports injuries, stimulation of bone formation in case of fractures, etc.. They are planning to start the sales of the SENSOLITE equipment abroad.