

THE INVENTOR: MÁRTA FENYŐ



Márta Fenyő is a biophysicist. At the beginning of the nineteen eighties she discovered, jointly with her research team, the biological stimulating effect of polarized light.

After all, a Swiss company acquired the licence for production and marketing, thus the apparatus for polarized light therapy, the Biopton lamp, started its worldwide career in Switzerland.

By 2003 Márta Fenyő upgraded the initial idea and jointly with her partner, Péter Klein providing the engineering and manufacturing background, created the design of SensoliteR, an apparatus for the light treatment of the entire surface of the human body.

At an earlier time Sensolite was just a cherished project of the biophysicist.

As regards appearance this device is similar to the tanning bed, using numerous sources of polarized light. Altogether 1000 lamps generate polarized light to achieve the biopositive effect on the entire surface of the body and the whole organism. The roborant effect of polarized light on the living organism including the stimulation of cell metabolism and reinforcement of the immune system was proven by a number of earlier research projects. Invigorated, recharged with energy and relieved of stress, the patient is capable of much higher performance after treatment than before it.

After graduating from the university Márta Fenyő worked for 9 years at the Medicor Works. In her job she was involved in research in the field of human biology, and she has had passion for this field ever since. Later on, in the frame of her studies for the first academic degree, she explored the biological effects of laser light at the Institute of Biophysics of the SOTE Medical University. At that time she got acquainted with the works of Professor Dr. Endre Mester. He and his colleagues used low power laser light for the treatment of chronic wounds.

To replace the then rather costly source of laser light, Márta Fenyő sought after a device which possesses the biostimulating quality of laser light yet it is simpler, affordable and less dangerous for the eye.

Together with Iván Kertész, a laser physicist, she created the biophysical model of the stimulating effect of laser light. With the assistance of physicians and physicists the first design of the lamp emitting polarized light, the Evolite, was soon developed and used for healing with outstanding results. In the “heroic age” the clinical efficacy of the lamp was confirmed by the successful treatment of refractory wounds that would not heal in any conventional method. Concurrently with the treatments the first major scientific investigations were carried out that confirmed the significant improvement of the immune response of the system. Márta Fenyő and Dr. Nándor Tóth, head physician of the laboratory, conducted jointly this crucial research at the beginning of the nineteen eighties.

Márta professes: “I have always believed in this magnificent device. I have seen people recover from illness who long gave up hope of ever being healthy again. This experience and the uncompromising conviction gave me the

tenacity to force my way through the hard years up to the time when we succeeded to turn the invention into a veritable healing device”.

Notwithstanding the strenuous effort we failed to find a manufacturer in Hungary, but the Evolite lamp quickly became a success in Western Europe and in the United States



MÁRTA FENYŐ Inventor, physicist, biophysicist

STUDIES 1964-69 ELTE TTK, research physics major
1978-81 Institute of Biophysics, Semmelweis Medical University

PROFESSIONAL ACTIVITIES

1969-78 Research physicist at the Research and Development Institute of the Medicor Works. Early inventions: OPTIX X-ray image corrector, automated blood group determination, qualitative haemogram determination

by digital image processing; research in the field of ultrasound diagnostics

1978-81 Research of the biological effects of laser light on molecular level at the Biophysical Institute of the Semmelweis Medical University

1987-88 Investigation of the immune modulating effect of polarized light in tumorous animals at the Joliot Curie Research Institute for Radiation Biology

1981-89 Development of the Evolite (later Bioptron) medicinal lamp; research of the medical uses of polarized light and its effects on the immune system

1989 Research of the effects of polarized light on the immune system at the Slade Hospital in Oxford (UK)

1995 Research of the effects of polarized light in the treatment of tumorous animals at the Bar Ilan University, Tel Aviv (Israel)

1990- Establishing and managing the Bioptron Medical Centre in Budapest until the present day

1999- Research and development of SensoliteR

AWARDS AND HONOURS

1985 WIPO(World Exhibition for Young Inventors): first prize for the Evolite lamp

1986 Zenith gold medal for the Evolite lamp

1987 Grand Prize of the Budapest International Fair (BNV)for the Evolite lamp

1996 Gold medal of the Eureka 96 International Invention World Expo in Brussels for the establishment and creation of the unique model of the Bioptron Medical Centre

1996 Prize of the Mayor of Brussels awarded once a year to inventions of great significance

1998 and 2002 GENIUS Prize of the GENIUS World Innovation Fairs for the invention of polarized light therapy and for its upgrade designed for the treatment of the entire surface of the human body

2000 Gold medal for the invention of polarized light treatment of the entire surface of the human body at the Eureka 2000 World Innovation Fair in Brussels (Belgium)

2006 Pro Familiae Lifetime Achievement Prize of the Ministry for Equal Opportunities for the significant role of polarized light therapy in human medicine