



**Immunity Blockage caused by the Cell Membrane
of Cancer Cells
Cellular Respiration and Bio-electronic Cell Potential**

by Dr. med. Dr. sc. nat. Paul Gerhardt Seeger



Each organism is integrated within the vibrancy system of the earth and outer space. Each individual cell of the human organism e.g. has its own vibration which is in resonance to the physical vibrancy system of the universe and which is integrated therein. Based on the genius work of Rudolf Keller and his school about the electricity of the cell in the early twenties, the author proved with well prepared vital staining studies in living cells in the early thirties that electric charges can be determined by vital staining and fluorescence.

Normal healthy cells have a high positive electric potential of about 70 to 90 millivolt and can be coloured strongly only with alkaline electronegative vital stains. In cancer cells the respiration is reduced from a 1/4 to 1/20 in comparison with the healthy respiration, and therefore the electric potential drops down to approx. 10 mV, which means 1/7 to 1/9 of the normal potential, analogous to the number of mitochondria which are reduced from a 1/4 to 1/10. These changed cells can only be made visible by acidic electropositive vital stains. Accordingly, the level of the bio-electric potential is solely maintained by the cellular respiration (See Lund, Wurmser, Kollath) because the cancer cell only shows 1/4 to 1/20 of the respiratory intensity of the normal cell.

Electric potential causes vibrant resonance

The energy for the self-induced vibrancy of each cell - which is in resonance with the vibrancy of outer space - is produced by burning the substrate hydrogen of the nutrition via the respiratory chain. As this process is inhibited by the destruction of cytochromes - especially of cytochrome oxidase - in the respiratory chain (Seeger 1938), the self-induced vibrancy resp. the vibrancy resonance of cancer cells decreases with the reduction of the electric potential. In 1923 Gurwitsch was able to prove that the so-called mitogenetic rays are UV-rays between 1960 and 2400 and 3400 Angström units which can, according to Siebert (1938), be attributed to the activity of oxidative enzymes, especially of catalase. These disappear in case of tiredness, hunger, illness and especially in case of cancer.

In 1931 Lakhovski proved that mitogenetic rays are cellular vibrancies. The combustion of nutrients and the connected biochemical reactions release electrons which change the cell membrane and send out high-frequency vibrancies within the infra-red range. Their wavelength is changed by protein modifications caused by aging or alimentary toxic noxae. E.g., after addition of cancerous blood to normal blood the radiation of the latter is stopped. The correlation between the bio-electric processes in the cells and the electric processes in space and outer space cannot be denied.

Inhibited immune reaction due to lack of resonance ability

H.A. Nieper noted that cancer cells produce an immunoblocking protection substance which acts electrically and reduces the electron resonance of the body. Accordingly, cancer cells should be able to avoid immune reaction with the organism by lack of electric resonance.

Perhaps this protection substance is only a makeshift hypothesis and the real reason for the cancer cell's decreased resonance is based on the depolarisation already proved by the author in 1937/38. The decrease of the bioelectronic potential of cancer cells, due to a defect of the cytochrome *a/a3*, namely the cytochrome oxidase, is caused by a carcinogen effect. According to Lakhovski and Siebert, the vibrancy of the cell is subsequently halted in the development of cancer. Cancer cells do not vibrate with the normal cell formation anymore and therefore withdraw from coordination.

Nieper also indicated that beta-carotin not only activates the thymus function but also increases the resonance capability and subsequently the cell's vibrancy. Hereby he delivers also proof for the validity of the author's findings concerning the carcinosis of cells, namely that the erasure of cell vibrancy and resonance are based on a disorder of the cellular respiration. This leads to destruction of the respiratory chain - especially of



cytochrome oxidase – and results in the potential drop and the depolarisation of the cell.

According to Zechmeister (1928), beta-carotin is able to bind 11 hydrogen atoms and hereby reactivates and restores the cellular respiration of the cancer cell. This also applies to the

components of beet which can even accept 16 H-atoms. Thus, the bio-electronic cell-potential, the cell vibrancy and its resonance can be normalized as well as the vibrancy to space. Thus the inhibited processes of immunity are reactivated and the cancer cell's lack of electric resonance capability is cleared.

First published in the German language in the SANUM-POST magazine (2/1988)

© Copyright 1988 by Semmelweis-Institut GmbH, 27318 Hoya, Weser Germany

All Rights Reserved