Конструкция устройства позволяет осуществлять его изготовление в обычных стеклодувных мастерских. Устройство можно использовать как для прижизненной диагностики стронгилятозов, так и для научных целей (например, для изучения сроков миграции личинок из фекалий при разных условиях внешней среды).

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THE NEW CONCEPT OF BIOLOGICAL MEMBRANES' UNITARY STRYCTURE, MANAGEMENT AND PATHOLOGY

D.B.Davidian

Cancer - membrane.

According to our concept, a halvanic element with managed ele trodes formes the basis of vital state.

The biological membrane is composed of a variety of lipids and proteins. The lipids are formed into a bilayer and are amphipathic; i.e. they have a

hydrophilic polar region at one end of the molecule and a hydrophobic hydrocarbon tail at the other one. Membrane proteins insert into (and can float

within) the bilayer and are auchored by covalent bonds.

Each monolayer of this bilayer is a molecular composition (MC) a framework of a double electrical layer (DL). As halvanic element in cell membrane is formed. There are 4 types of thes elements. Their main properties are still unknown. We have found 9 indications for determination of monolayer's charged state type. All types of membrans have beend detected in different cells in norm and pathology.*

According to our concept, the biological membrane monolayers have:

a) a separate genetic security,

b) a seperate management by central nervous system,

* Davidian D.B., Biolog. Journ. of Armenia, 4 (44), 313-318, 1991.

c) a seperate hormonal management,

d) a seperate management by electrical potentials,

e) a seperate ancient bacterial symbiotic antigene management,

f) a seperate electrolytic security of double electrical layers,

g) a seperate management by immune systems (bursa, thumus),

h) various secondary messengers (cAMP, cGMP),

i) connections with the intestine's parietal mycrophlora, T-system of immunity,thymus and external monolayer of membrane (we name it Tlysis),

 j) connections with the intestine's cavity microphlora, B-system of immunity, sacculus of Fabricius and membrane's internal monolayer (we name it B-lysis),

According to our notion, a unitary mechanism of membrane functioning is their uneven recharging "+" constant, temporary, local, broken to pieces or common for the whole membrane (MC-, MC+).

The signs of membrane's recharge are potentials' difference, electrical resistancy on the membrane, transference of electrolites concentration of electrolites, pH of solutions, secondary messengers cAMP and cGMP, appearance and disappearance and disappearance of certain ferments and cofactors, ferments' structural changes, glycolysis and breathing and oth.

Pathology

The unknown nature of properties of T- and B- lysis does not permit to answer the question about principles of pathogenesity. It is well known that reduction of organism's natural nonspecific resistancy cause many pathological states including entering into the organism of pathogenic antigens. Its rising through recovery of gut flora activity will lead to elimination of many illness and diminish the application of drugs and uncontrolled, unnatural methods of specific resistacy sera usage.

Making this concept concrete for cancerogenesis we have:

I type membrane charging. T- lysis above normal. Possibly acute leucoses and tumours with high differentiated malignant cells. Combination with other types is possible.

Il type membrane charging. T- lysis below critical. B- lysis above critical. Hella, Erlich's ascitic carcinoma.

III type membrane charging. T- and B- lysis below Malingnant cells. Sarcoma 45, AIDS.



IV type membrane charging. B-lysis below critical, T-lysis above critical. Benign tumour cells, AIDS.

Thus, the management of membrane charging may becom an original method of treatment of various diseases.

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