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RESEARCH ARTICLE

THE SYSTEMMODELS OF THE MEMBRANE REDOXY POTENTIAL THREE STATE DEPENDENT 9 STEPPED FULL CYCLE OF PROTON CONDUCTANCE, INCLUDING THE FOUR COMPARTMENTS AND THE 10 FUNCTIONAL SYSTEMS OF THE HUMAN BODY

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ABSTRACT

Untill now it is not appeared the system models to better understand the Human body, including the membrane redoxy potential three state dependent 9 stepped full cycle of proton conductance and the four compartments, also the 10 functional systems, because of this in all case only have been needed to use Vesalius Anatomy atlas, which sometimes lead to limitation of possibility to reach a desired success in many pathology cases as Covid disease. The relationship between all parameters of the system models including the membrane redoxy potential three state dependent 9 stepped full cycle of proton conductance and the four compartments, also 10 functional systems may be described as follows a first: In the first 1-7 stages of closed cycle of proton conductance of mitochondrial location have been formed free proton, metabolic water, carbon dioxide and ATP, at second: following to this have been created the possibility to start the 9-th stage of closed cycle, located in the Respiratory membrane - Pulmonary circuit-increase of oxygen uptake from alveolar air-under effect of increased bicarbonate entry by HCO₃ entry and CL ion exit-(bicarbonate / chloride ion shift mechanism), Oxygen entry leading to increase of HbO₂ formation and the 8-th stage of closed cycle, located in the Respiring tissues- Pulmonary circuit -oxygen uploading by HCO₃ -exit and CL entry-O₂ exit -Release of oxygen from HbO₂ under effect of exit of bicarbonate by bicarbonate exit/ chloride ion entry shift mechanism, leading to increase of oxygen in a mitochondrial - 6-th stage of proton conductance, which have been conditioned the Energy substrate -Donator entry as fatty acids from third compartment to second compartment, which have been followed by Energy substrate-Donator and acceptor oxygen entry from second compartment to first compartment, where have been formed ATP, owing to formation of ATP in the first compartment have been created the condition to functioning of fourth compartment parameters, as 5 membrane structures-5 function systems, where conducted the normal genetic-cell division, information-response, biosynthetic, bioenergetic, biotransformation functions by using of high energy phosphate - ATP, high energy electrons NADPH, which have existed in the level of all cells of the 10 main systems of Human body as proton donator and electron acceptor delivering.

INTRODUCTION

We are trying to describe the system models, including the membrane redoxy potential three state dependent 9 stepped full cycle of proton conductance including the four compartments, the 10 main functional systems by using the new conception as that it is existed a close relationship between following two expressions as Life has become dependent from presence of protons and electrons which were formed during the events called Big Bang 15 years ago and the presence of protons from peripheral tissues favors the formation of salt bridge in histidine residue of betta subunits (Harpers Biochemistry). The 10 main functional systems of Human body as proton donator and electron acceptor delivering have functioned owing to 5 membrane structures-5 main functions, as the normal genetic-cell division, information-response, biosynthetic, bioenergetic, biotransformation functions.

RESULTS AND DISCUSSION

Untill now it is not appeared the system models to better understand the Human body, including the membrane redoxy potential three state dependent 9 stepped full cycle of proton conductance and the four compartments, also the 10 functional systems, because of this in all case only have been needed to use Vesalius Anatomy atlas, which sometimes lead to limitation of possibility to reach a desired success in many pathology cases as Covid disease. In this connection that we had been established that it is existed a close relationship between following two expressions as Life has become dependent from presence of protons and electrons which were formed during the events called Big Bang 15 years ago and the presence of protons from peripheral tissues favors the formation of salt bridge in histidine

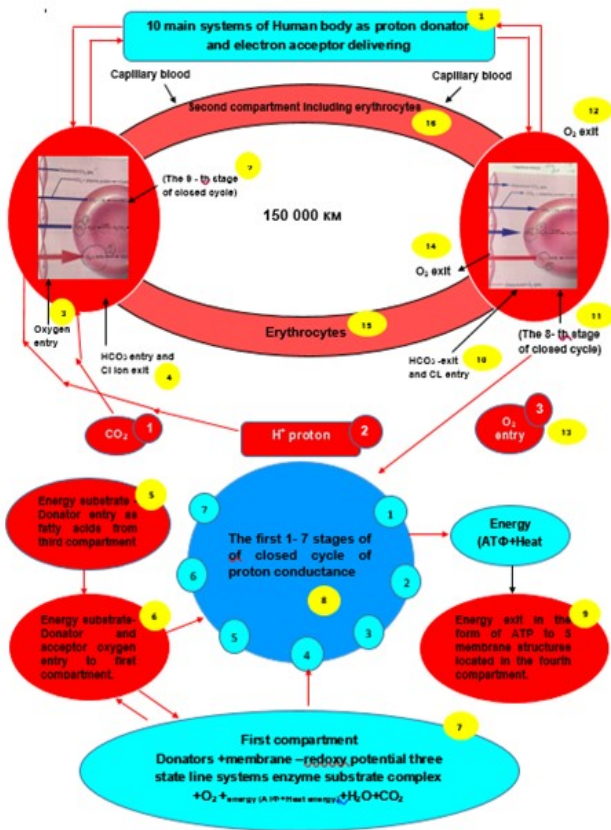


Figure 1. The system models, including the membrane redoxy potential three state dependent 9 stepped full cycle of proton conductance and the four compartments, the 10 functional systems

residue of beta subunits (Harpers Biochemistry) we are trying to describe the system models, including the membrane redoxy potential three state dependent 9 stepped full cycle of proton conductance including the four compartments, the 10 functional systems. The relationship between all parameters of the system models including the membrane redoxy potential three state dependent 9 stepped full cycle of proton conductance and the four compartments, also 10 functional systems may be described as follows a first : In the first 1-7 stages of closed cycle of proton conductance of mitochondrial location have been formed free proton, metabolic water , carbon dioxide and ATP, at second: following to this have been created the possibility to start the 9-th stage of closed cycle, located in the Respiratory membrane - Pulmonary circuit-increase of oxygen uptake from alveolar air -under effect of increased bicarbonate entry by HCO₃ entry and CL ion exit-(bicarbonate / chloride ion shift mechanism), Oxygen entry leading to increase of HbO₂ formation and the 8-th stage of closed cycle, located in the Respiring tissues - Pulmonary circuit -oxygen uploading byHCO₃ -exit and CL entry-O₂ exit -Release of oxygen from HbO₂ under effect ofexit of bicarbonate by bicarbonate exit/ chloride ion entry shift mechanism, leading to increase of oxygen in a mitochondrial - 6-thstage of proton conductance, which have been conditioned the Energy substrate - Donator entry as fatty acids from third compartment to second compartment, which have been followed by Energy substrate-Donator and acceptor oxygen entry from second compartment to first compartment, where have been formed ATP, owing to formation of ATP in the first compartment have been created the condition to functioning of fourth compartment parameters, as 5 membrane structures-5 function systems, where conducted the normal genetic-cell division, information-response, biosynthetic, bioenergetic, biotransformation functions by using of high energy phosphate - ATP, high energy electrons NADPH, which have existed in the level of all cells of the 10 main systems of Human body as proton donor and electron acceptor delivering.

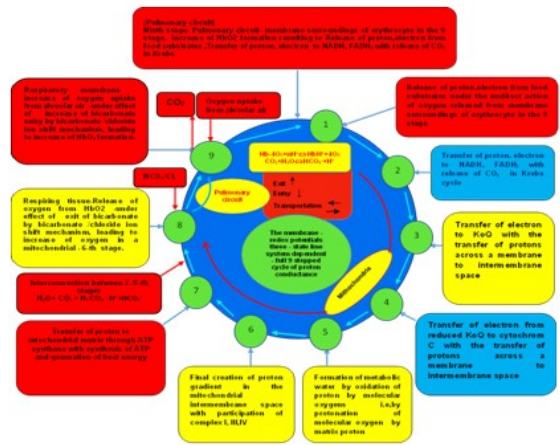


Figure 2. The membrane redoxy potential three state dependent 9 stepped full cycle of proton conductance

The 10 main systems of Human body as proton donor and electron acceptor delivering have been consisted of First functional system is the system of delivering electron-proton donors as foods to living cells to maintain the normal level of donors as carbohydrate, aminoacids, fatty acids within membrane redoxy potentials 3 state line system as very important place of conducting of protons, electrons, starting from cyanobacteria formed during last 4,4 billion years, identical to Gastroenterological system, Second functional system is the system of delivering electron-proton acceptors as oxygen to living cells to maintain the normal level of acceptors as oxygens within membrane redoxy potentials 3 state line system as very important place of conducting of protons, electrons, starting from cyanobacteria formed during last 4,4 billion years, identical to Cardiovascular system, Fourth functional system is the system eliminating and neutralizing toxic metabolites and carbon dioxide, protonated carbondioxide, also free protons formed during the functioning of the energy making system as “Donators (glucose, aminoacids, fatty acids) + membrane redox potentials three - state line system + acceptor as O₂ + ADP + Pi + H⁺ + nH⁺_{memb.space} = (ATP + heat energy) + H₂O + nH⁺_{matrix} + CO₂”-reaction medium, identical to Renal - urinary and Acid-Base controlling system, Fifth functional system is the system of converting some toxic metabolic products to normal metabolic products and conducting the synthesis and resynthesis of saturated and unsaturated fatty acids as main components of all membrane structures belong to membrane - redoxy potential 3 state line systems included to “Donators (glucose, aminoacids, fatty acids) + membrane redox potentials three - state line system + acceptor as O₂ + ADP + Pi + H⁺ + nH + memb space = (ATP + heat energy) + H₂O + nH + matrix + CO₂ -reaction medium, identical to Hepato-biliary system, these all functional systems have functioned owing to 5 membrane structures-5 main functions as the normal genetic-cell division, information-response,biosynthetic, bioenergetic, biotransformation functions.

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