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RESEARCH ARTICLE

THE FATE OF ALL PROTONS, FORMED IN THE 1-7 STAGES OF MITHOCHONDRIAL LOCATION AND THE EIGTH AND NINTH STAGES OF THE MEMBRANE REDOXY POTENTIAL THREE STATE DEPENDENT 9 STEPPED FULL CYCLE OF PROTON CONDUCTANCE IN THE HUMAN BODY

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Abstract

We are paying a close attention to this question how decided the fate of all protons are generated in mitochondria of 50- 80 trillion cells (now by us named 1-7 stages of proton conductance) by needing another special structures, owing to which all protons have been subjected to harmless consequences by mecchanisms as maintaining serum and cell pH-7,4, packaging inside erythrocyte membrane surroundings. In connection with this, we made such elucidation as interconnection between a first 1-7 stages of proton conductance of mitochondrial location and 8-the stage of proton conductanceof Pulmonary circuit location and also, the interconnection between 8-the stage of proton conductance of Pulmonary circuit location with 9 -th stage of proton conductance of Pulmonary circuit location and interconnection between following, subsequent 1-stage of proton conductance of mitochondrial location with previous, preceding, foregoing 9-the stage of Pulmonary circuit location we have been described as eighth stage - Respiring tissue - Pulmonary circuit -oxygen uploading by bicarbonate / chloride ion shift mechanism Release of oxygen from HbO2 -under effect of exit of bicarbonate by bicarbonate / chloride ion shift mechanism, leading to increase of oxygen in a mitochondrial - 6-th stage, ninth stage - Respiratory membrane - Pulmonary circuit-increase of oxygen uptake from alveolar air - under effect of increase of bicarbonate entry by bicarbonate / chloride ion shift mechanism, leading to increase of HbO2 formation, resulting to Release of proton,electron from food substrates under the undirect action of oxygen released from membrane surroundings of erythrocyte in the 8-th stage, Transfer of proton, electron to NADH, $FADH_2$ with release of CO_2 in Krebs cycle.

Introduction:-

During our investigation, about 12 years ago, we had been succeeded at first to find a three stages of the full closed cycle of electron, proton conductance, which features may be described as release of proton, electron from food substrates under the undirect action of oxygen released from membrane surroundings of erythrocyte in the 9 stage and, the transfer of proton, electron to NADH, $FADH_2$ with release of CO_2in Krebs cycle, and transfer of electron to KoQ with the transfer of protons across a membrane to intermembrane space.

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After this, we also had been succeeded to find the end stage of the full closed cycle of proton conductance, which basic features may be described asproton combine with hemoglobin(generation of HbH) which promotes the release of oxygen from hemoglobin, oxygen diffusion to all cells conditioning the release of proton, electron from food substrates in the 1-stage also proton released from hemoglobin promotes uptake of oxygen by hemoglobin, CO_2 promotes the generation of free proton by mechanism as H_2CO_3-H + HCO_3, carbonic anhydrase catalyzes the formation of CO_2 from H_2CO_3 and CO_2 diffuse out in the alveoli.

Results and Discussion:-

Now, we are paying a close attention to this question how decided the fate of all protons are generated in mitochondria of 50 - 80 trillion cells (now by us named 1-7 stages of proton conductance) by needing another special structures, owing to which all protons have been subjected to harmless consequences by mechanisms as maintaining serum and cell pH-7,4, packaging inside erythrocyte membrane surroundings , generating stomach HCL in parietal cells , Hydrochloric acid secretion by Gastric parietal cells as "Blood- Parietal cells-Lumen of stomach "Blood CO_2, CL, HCO_3- Parietal cells - $CO_2 + H_2O = H_2CO_3 = HCO_3 + H^+$- ($H^+$) + CL= HCL – H + K + ATP-ase - HCL - pepsinogen (zymogen) - removed peptide - active enzyme Pepsin, beside, "Peritubular capillary - Interstitial fluid - Tubule epithelial cells-Tubular fluid "Tubular fluid - $HCO_3 + H^+ = H_2CO_3$, $H_2CO3= HCO_3 + H^+$ - Tubule epithelial cells - $CO_2 + H_2O = H_2CO_3$, $H_2CO_3 = HCO_3 + H^+$, H+/Na antiport in the membrane transports H^+ out of cell and Na ion in.

Owing to thisachievement, we have 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 residue of betta subunits (HarpersBiochemistry). Also we have succeded to change previous interpretation as Eighth stage- Entry of three important factors to erythrocytes as protons are exited in the form of metabolic water from mitochondrial matrix of all cells and entered in the form of HCO_3 through plasma membrane of red blood cells, also entry of CO_2 formed in the 2-stage of closed cycle and entry of oxygen from lung , Ninth stage-Proton combine with hemoglobin(generation of HbH) which promotes the release of oxygen from hemoglobin, oxygen diffusion to all cells conditioning the release of proton,electron from food substrates in the 1-stage also proton released from hemoglobin promotes uptake of oxygen by hemoglobin, CO_2 promotes the generation of free proton by mecchanism as H_2CO_3- = H + HCO_3, carbonic anhydrase catalyzes the formation of CO_2 from H_2CO_3 and CO_2 diffuse out in the alveoli, by using the principally new interpretation as 9 - th stage-Respiratory membrane - Pulmonary circuit-increase of oxygen uptake from alveolar air - under effect of increased bicarbonate entry by bicarbonate / chloride ion shift mechanism , leading to increase of HbO_2 formation, 8 - th stage - Respiring tissue - Pulmonary circuit -oxygen uploading by bicarbonate / chloride ion shift mechanism, Release of oxygen from HbO_2 - under effect of exit of bicarbonate by bicarbonate exit / chloride ion entry shift mechanism.

We have find the interconnection between a first 1-7 stages of proton conductance of mitochondrial location and 8-the stage of proton conductanceof Pulmonary circuit location and also, the interconnection between 8-the stage of proton conductance of Pulmonary circuit location with 9 -th stage of proton conductance of Pulmonary circuit location and interconnection between following, subsequent 1- stage of proton conductance of mitochondrial location with previous, preceding, foregoing 9-the stage of Pulmonary circuit location we have been described as eighth stage - Respiring tissue - Pulmonary circuit - oxygen uploading by bicarbonate / chloride ion shift mechanism Release of oxygen from HbO2 - under effect ofexit of bicarbonate by bicarbonate / chloride ion shift mechanism, leading to increase of oxygen in a mitochondrial - 6-th stage , ninth stage -Respiratory membrane - Pulmonary circuit-increase of oxygen uptake from alveolar air -under effect of increase of bicarbonate entry by bicarbonate / chloride ion shift mechanism , leading to increase of HbO2 formation, resulting to Release of proton,electron from food substrates under the undirect action of oxygen released from membrane surroundings of erythrocyte in the 8-th stage, Transfer of proton, electron to NADH, $FADH_2$ with release of CO_2 in Krebs cycle.

Before making the elucidationrelating the interconnection between a first 1-7 stages of proton conductance of mitochondrial location and 8-the stage of proton conductanceof Pulmonary circuit location and also, the interconnection between 8-the stage of proton conductance of Pulmonary circuit location with 9 -th stage of proton conductance of Pulmonary circuit location and interconnection between following, subsequent 1- stage of proton conductance of mitochondrial location with previous, preceding, foregoing 9-the stage of Pulmonary circuit location **have been described** as Eighth stage- Entry of three important factors to erythrocytes as protons are exited in the form of metabolic water from mitochondrial matrix of all cells and entered in the form of HCO_3 through

plasma membrane of red blood cells, also entry of CO_2 formed in the 2-stage of closed cycle and entry of oxygen from lung, Ninth stage-Proton combine with hemoglobin (generation of HbH) which promotes the release of oxygen from hemoglobin, oxygen diffusion to all cells conditioning the release of proton, electron from food substrates in the 1-stage also proton released from hemoglobin promotes uptake of oxygen by hemoglobin, CO_2 promotes the generation of free proton by mecchanism as H_2CO_3 = H + HCO_3, carbonic anhydrase catalyzes the formation of CO_2 from H_2CO_3 and CO_2 diffuse out in the alveoli.

Figure 1:- The final variant of closed cycle of proton conductance inside human body before making elucidation in the level of 8-the and 9-the stages of proton conductanceof Pulmonary circuit location.

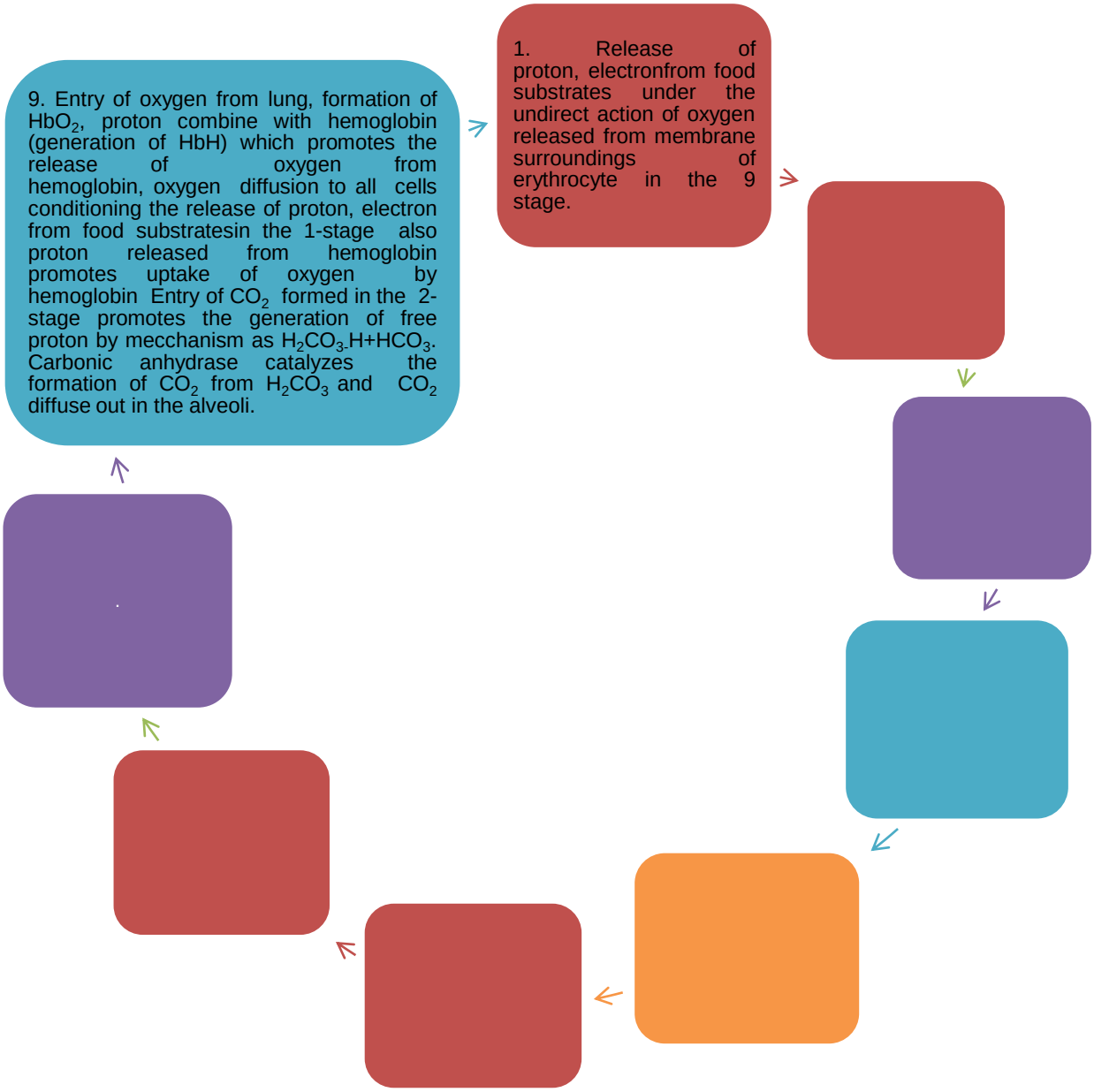

Figure 2:- First revealed the basic two stage and parameters of closed cycle of electron, proton conductance inside human body.

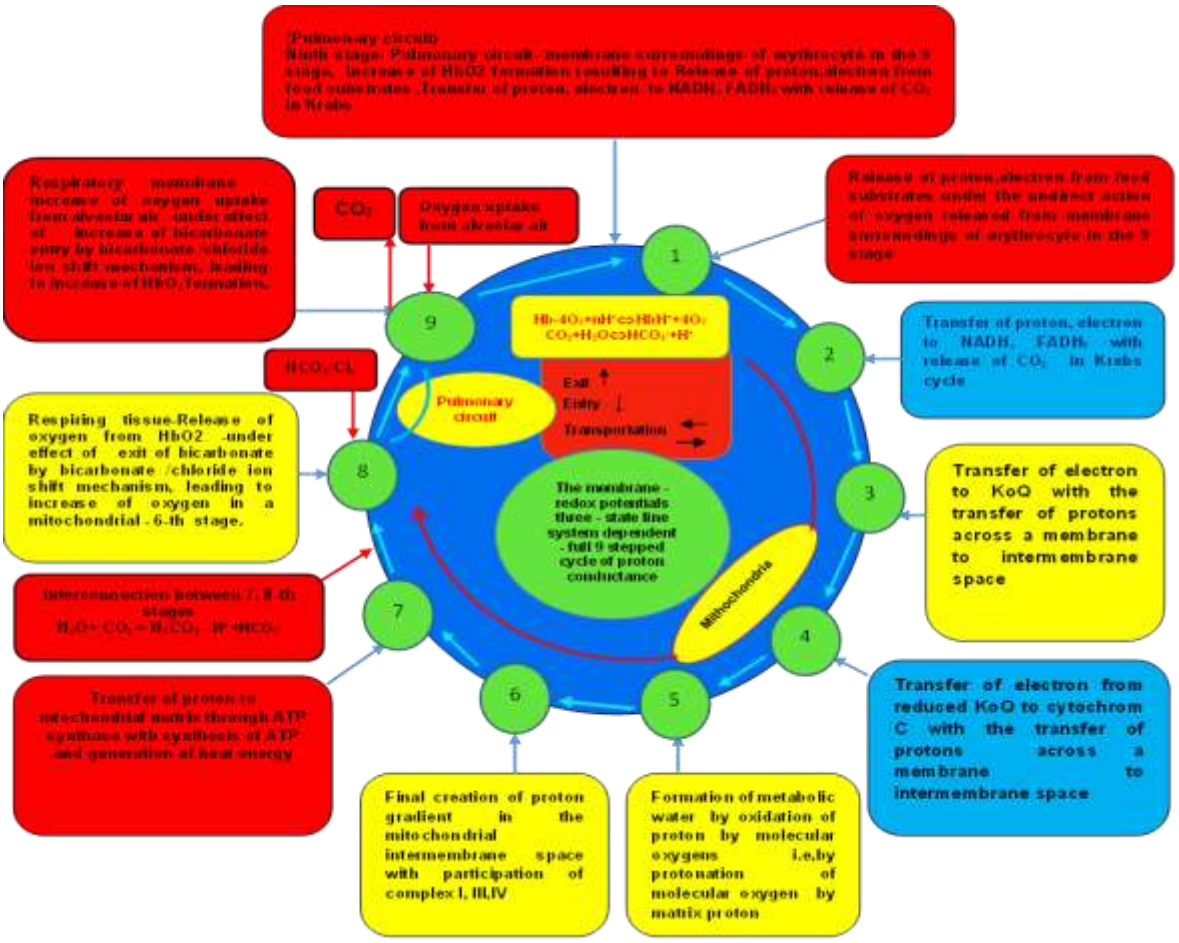

Figure 3:- The final variant of closed cycle of proton conductance inside human body after making elucidation in the level of 8-the and 9-the stages of proton conductanceof Pulmonary circuit location.

But after making the elucidationwe have been described the interconnection between a first 1-7 stages of proton conductance of mitochondrial location and 8-the stage of proton conductanceof Pulmonary circuit location and also, the interconnection between 8-the stage of proton conductance of Pulmonary circuit location with 9 -th stage of proton conductance of Pulmonary circuit location and also the interconnection between following, subsequent 1-stage of proton conductance of mitochondrial location with previous, preceding, foregoing 9-the stage of Pulmonary circuit location we have been described as eighth stage- Respiring tissue - Pulmonary circuit -oxygen uploading by bicarbonate / chloride ion shift mechanism Release of oxygen from HbO_2 - under effect of exit of bicarbonate by bicarbonate / chloride ion shift mechanism , leading to increase of oxygen in a mitochondrial - 6-th stage, ninth stage -Respiratory membrane - Pulmonary circuit-increase of oxygen uptake from alveolar air - under effect of increase of bicarbonate entry by bicarbonate / chloride ion shift mechanism, leading to increase of HbO_2 formation, resulting to release of proton,electron from food substrates under the undirect action of oxygen released from membrane surroundings of erythrocyte in the 8-th stage, transfer of proton, electron to NADH, $FADH_2$ with release of CO_2 in Krebs cycle.

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