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MY THEORY OF THE OXIDATIVE-DEOXIDATIVE IMBALANCE IN NEONATAL DISEASES

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The aim of the present project is to obtain a better understanding of the imbalance of the oxidative-deoxidative state of a special substance happen at it is original prefect balance; to accomplish the study, author have worked on the projects of nitric oxidize biology in neonatal diseases and reactive oxygen species in lung biology since 1996. She will present the lecture in general results and the related publishes at her first author and investigator role for 40 articles in peer journal. The oxidative stress state means the reactive oxygen species (ROS) and reactive nitrogen species (RNS) generation with over producing at the normal state in body; several toxic agents can induce oxidative stress as stress, infection or paraquat and H₂O₂. The deoxidative defense state have the anti-oxidative enzyme system, non-enzyme system, small molecular (GSH) or more formed, the main system is the antioxidant enzymes as SOD, catalase, peroxidase defend oxidative stress through degradation ROS/RNS to nontoxic chemical. There are neonatal diseases has pathophysiological phenomenon of the imbalance of the oxidative-deoxidative state during disease development, as neonatal respiratory distress syndrome, immunity inflammation reaction or cardiovascular function disorder. Acute lung injury is in the central for the imbalance state during neonatal disease development. She has studied the imbalance of the oxidative-deoxidative state defend diseases development for twenty years. In molecular/cell study, the procedure death signalling can control by oxidative stress, in basic research, deoxidative interruption can deduce injury. The medicine with anti-oxidative drug has used to treat neonatal diseases as SOD and GSH application. Neonatal diseases are the group diseases at the starting term of one person's life, treating the diseases in well recovery might affect the future of the new born baby. She has been in adventure to find new therapy as gene therapy to decrease and cure the neonatal diseases in mission.

BIOGRAPHY

Yan Wang is a Doctor and Scientist in Medicine; she has completed her PhD in Respiratory and Emergency Medicine from Fudan University Medical College in 1998. She has completed her Postdoctoral study from University of Miami and University of Pennsylvania in the United States of America since 2000. She has worked at the Imperial College in London in 2014. Currently she is an attending Doctor, Professor, Director and Academic Committee Member at hospitals, medical organizations and journal presses with posted in the United States of America, United Kingdom and China. She has published about 100 first-authored articles on peer-reviewed journals and conference abstracts with over ten books in the United States and the United Kingdom. She has been serving as an Editorial Board Member of *ECronicon Cardiology and Pulmonary and Respiratory Medicine Journal in United Kingdom* and *Journal of Pediatric & Neonatal Care and Critical Care Journal* in the United States. She has presented her observations at national or international scientific conferences with lecture, speeches and news release. Her current program is writing book, make lecture and take committee responsibility in medicine.

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