

"Human Body Regenerative Restoration Science"

and Launch of the Global Promotion Plan

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I come to the hospital field trip today for inspection of the use of "Human Body Regenerative Restoration Science (HBRRS)" regenerative technology to avoid diabetic foot amputation in live treatment and case study, because HBRRS has been enrolled into the world promotion plan of this year by "Clinton Global Initiative (CGI)" and experts and hospitals in our country, like the First Affiliated Hospital of Guangxi TCM University, which have successfully applied "human body regenerative restoration science and technology," will become the base for training international renowned doctors on the technology of avoiding diabetic foot amputation by regeneration. It is planned to set up five clinical training bases in Shanxi, Guangdong, Beijing, and Tianjin for master training on the technology of avoiding diabetic foot amputation by regeneration, with the aim of eradicating diabetic foot amputation all around the world in 4 years. Today's specific topic is to introduce HBRRS and the situation of its global promotion.

History

Development of HBRRS can be traced back to the year of 1979, when I studied the pumpkin skin damage repair to begin the study of skin regeneration of burns, and continued to expand into the regeneration of all tissues and organs of the body. From initial research on clinical practice to current establishment of integrated theoretical system of HBRRS, clinical treatment system of regenerative therapy for patients and grand projects of realizing the "world of regenerative humans" for healthy peoples, MEBO eventually takes the great mission of changing human health status and creating the "world of regenerative humans".

Dramatic changes in human society is never easy, neither is the birth and development of HBRRS. But any academic complain, administrative intervention and even physical threats did not stop the pace of my research and exploration, I persevered, and won a place for Chinese people with my own invention on the world stage of scientific development.

Looking back in 2000, I presented the route of somatic cells converting into stem cells and

regenerating in situ tissues and organs, which was taken as nonsense by the academic community because they were then in the hype of embryonic stem cells. While applying patents for the route, I continued with my studies. In August 2002, I held in Beijing Hotel the press conference for cloning tissue organs. Science and Technology Daily made a two-page key news report with the title of "Tissue organ cloning triggers life science big bang", which caused a great sensation, whether within China or in the world. Up to now, regarding the organ regeneration science, we already have 27 patents worldwide, and currently continue to apply new patents. According to the information provided by US Patent Office, 160 million people have downloaded our patents. Obama government captured keenly this information, so in 2013 he included our science and technology (damaged organ regeneration) into America's scientific development national policy.

First of all, HBRRS is not either western or Chinese medicine, it is a new life science development system. There are a variety of treatment methods in traditional Chinese medicine and western medicine, then what is the treatment method of HBRRS? In a word, HBRRS takes advantage of the body's own potential to realize the damaged organ's in situ regeneration and regenerative rejuvenation, which is accomplished by using our regenerative nutritional substances (RNS) to activate PRC's regenerative potential.

The current cutting-edge life science researches divide into three categories. One is gene research, after we sued the Nobel Committee in 2013, the father of gene, James Watson stated that his 52 years transgenic study had not got any application result yet. Another is embryonic stem cell research, in January 2014, the father of embryonic stem cell and the 2007 Nobel Prize winner, Professor Martin J. Evans clearly explained that his generation and the next generation would probably not be able to see real clinical application results of embryonic stem cells. The third category is HBRRS. It takes advantage of the regenerative potential of the body's own cells and uses RNS to nourish and activate these cells to exert functions of pluripotent stem cells and thereby achieve in situ regeneration of tissues and organs. It has already been accomplished for in situ regeneration of various organs of the body such as skin regeneration, diabetic foot regeneration and severed finger regeneration. Meanwhile, we have also applied and got patents to protect these study results, which means we have all the rights of patent, invention and speech.

Results of basic experimental studies and some clinical studies

Now we turn to the experimental clinical research, using RNS to feed rats, and this is the state of rats at age of 826 days when we did cytological examinations for all visceral organs. Age of 826 days is the equivalent of double the average life span of rat which is 380 days. As we can see, the organ examination showed all organs are in young state. These are standardized procedures, as long as the experiment uses RNS we provide and comply with our standardized experimental procedures, it can be duplicated.

So does the human body's regenerative rejuvenation. This is the most beloved old national leader of our country, 99 years old this year. We can compare his photos taken in 2005 and this year. From 2006, he began taking RNS and now he has very good vigor, energy, spirit, and strength, being younger and younger. There are many such examples, over 200 cases have all achieved regenerative rejuvenation

since 2006. Our old leader said above has never gone to hospital or caught a cold since 2006. In the annual vacation at Beidaihe resort, he is the eldest, but he is the only one to swim for two hours, other old leaders can only sit and watch but dare not to go swimming. This is the demonstration of regenerative vitality.

When RNS are absorbed by PRC cells, regeneration is awakened. Then what about cancer cells? After cancer cell absorbs RNS, apoptosis is triggered. Now we are one hundred percent sure to cure skin cancer. As in this case, skin adenocarcinoma was cured. As long as the cancer cells absorb RNS, it will start apoptosis.

RNS not only activate PRC cells, and more importantly, nourish regenerative cells. Now for adults and the elderly, as long as the PRC cells are activated, they will convert into stem cells. Being nourished by RNS, these pluripotent stem cells generated in situ, through continuous proliferation and differentiation, eventually generate constituting cells of various tissues and organs and accomplish in situ regenerative restoration of tissues and organs.

This group figures show the severed finger regeneration which is currently practicable in all levels of hospital nationwide. Our technology enables the regeneration of soft tissue and bone tissue at severed site, because of conversion of activated PRC cells at severed site into pluripotent stem cells. In this case, the distal finger was severed, the patient turned to regenerative technology after being treated with other technologies which resulted in an incomplete repair for the first time of regenerative treatment. We made a secondary fresh wound bed on his injured finger, then applied regenerative treatment again, as we can see, the finger ultimately achieved in situ restoration. In situ regeneration of gastrointestinal mucosa technology is also very mature, PRC cells are activated in 7 days and in situ restoration of gastrointestinal mucosa and functions is achieved in one year.

Regenerative nutritional substances (RNS)

RNS are not either new elements or new species. They are screened out from food by models of cell experiment (somatic cells and stem cells), and composed of various spectrum components. RNS get access to the inside of PRC through free fatty acid channel, and then enter the mitochondria in the cell to “burn” and produce energy in form of ATP, and release regeneration-awakening components to awaken PRC cells to play the role of pluripotent stem cells. Control of RNS is equivalent to domination of the whole world.

Our experimental model comes first from animal experiment. Tissues are taken from small intestine (not from embryonic stem cells). Under the action of RNS, PRC cells in these tissues convert into pluripotent stem cells. Here emphasized is that not all but only a small portion of tissue cells are able to perform such conversion. Then pluripotent stem cells begin to form tissues, clusters of tissues form a villus organ. Of course, the RNS are obtained from repeated screening, then they are used to induce PRC cells. After constantly repeated experiments and exploration, we eventually complete the systematic study of 206 kinds of PRC cells converted pluripotent stem cells after embryonic development.

The second model is rat intestinal villi regeneration. The villus of rat intestine is cut off, and RNS for intestinal regeneration is provided to culture the severed villus and it restores in 8 days. In control

group, the same culture medium has no RNS added, therefore, the severed villus can not regenerate. Above we talked about how to screen out RNS by experiments. Another issue is how human body can easily get RNS. Our plan is to make a full nutrition bread, which is the source of RNS for our tissue cells. In this way, the human body's self-renewal ability is exerted to the maximum. Enhanced such ability helps prevent premature aging of primary cells of the organ.

RNS can maximize the production of physiological hormones and ATP. Physiological hormones are the overall hormones of cells. ATP capacity is evaluated, our cells currently only use less than two-thirds of the energy from daily three meals. But if the meals are changed to full nutritional spectrum substances, you'll feel the rapid increase in vigor, energy, spirit and strength, resulting from the increase of ATP energy.

For example, we determine the nutritional spectrum for members. First, blood sample is taken to analyze the spectra of various nutritional components such as amino acid, fatty acid. Then the preliminary results are used to formulate the member's culture medium. Then the member's red blood cells are cultured in the medium, if the red blood cells can live 10 days in the in vitro culture medium and 20 days in control group in which RNS are added into the medium, check what cells really absorb in the 10 days, 20 days. In this way, the nutritional spectrum required by cells are screened out.

Because of this, we can provide our members one on one personalized regenerative rejuvenation services. It takes three to four years to accomplish the first phase of implementation, rejuvenation. After that, our members' daily meals are made according to the demand of their red blood cells, stem cells, cells of newly regenerated tissue and organ, plus their RNS. So ultimately the primary human life can maximize its function. Added here is that the human body has two lives, a primary life and a regenerative life. No regenerative rejuvenation, no regenerative life.

Regenerative rejuvenation of aging organs can extend life cycle. Life span has been doubled in rats. What about human body? This is our ongoing plan of "world of regenerative humans".

Invention and discovery of RNS will cause great social change, humans will have become regenerative humans with significantly prolonged life span, everyone will need to re-plan their life, retirement age will postpone from previous 60 years old to 100 years old or more. This certainly will lead to new social and human life order. Moreover, the agricultural revolution and the industrial revolution are sure to happen. Everyone takes the composed products according to RNS spectrum and basic nutrition spectrum.

Examples and demonstrations of HBRRS clinical application

1. Diabetic foot

Avoid diabetic foot amputation: as we can see, both feet with grade IV diabetic foot were restored by regeneration. The technical key points are external application of RNS and local technical operations. Of course, there are standard technical procedures, without strictly enforcing the standard technical procedures, in situ regeneration can not be achieved.

2. Atrophic gastritis

Atrophic gastritis is a worldwide problem, there is no treatment and it is likely to develop to gastric cancer. But taking our RNS can achieve mucosal physiological regeneration. RNS here is Gastrointestinal Capsule (GIC). After taking GIC, the gastric mucosa gradually restore the physical structure. The way to take GIC is to allow the RNS of GIC continuously adhering to the surface of gastric mucosa, RNS of 5 capsules can adhere to the gastrointestinal mucosa for 4-6 hours, so the way to take GIC is 5 capsules every 4-6 hours.

3. Coronary heart disease

The current status of the treatment of coronary heart disease is well known, while oral administration of RNS for heart regeneration can solve this problem. RNS for heart regeneration can create new collateral circulation so as to solve the problem of insufficient coronary blood supply which coronary artery bypass surgery can not solve. Coronary artery bypass surgery can realize the blood supply of large coronary artery, but can not improve myocardial metabolic activity. Moreover, coronary artery bypass surgery is also limited by operative indications. However, oral administration of RNS for heart regeneration has no limitations at all, it not only establishes new coronary collateral circulation, but also restore myocardial fibrosis to young cardiac muscles. The change of patients' coronary blood flow and myocardial metabolic activity before and after taking RNS can be objectively demonstrated by PET-CT examination.

4. Terminal cancer (lung cancer)

Oral administration of gastrointestinal RNS can be cure terminal cancer. This program is part of our coming worldwide plan of 10,000 regenerative humans. These scanning electron microscope photographs show lung cancer cells die of apoptosis in 2 days after absorbing RNS. After patients taking after RNS, RNS absorbed by normal cells "burn" in mitochondria to produce ATP, but that absorbed by lung cancer cells destroy mitochondria. This is a typical photo of cellular apoptosis as per international standard. Currently we can cure the several common lung cancers by activating this apoptosis program. Look at this example, in 2008, we recruited publicly terminal cancer patients through internet, and provide free RNS to those qualified applicants. There were 364 cases meeting our terminal cancer standards, this man from Shandong was one of them. Indicated by annual CT, his lung tumor volume shrinks year by year, and almost disappear. This photo was recently sent to us by his family member, now he is 86 years, and in very good health. Another case is an old woman from Beijing, days ago, she went to Anzhen hospital where she was diagnosed as terminal cancer in 2008, medical staff there were very surprised. Here I still emphasize the importance of the standard treatment, it is crucial to ensure the efficacy.

These scientific advances has attracted attention of the US government, in 2013 the US government took my "damaged organ regeneration" science as the scientific development policy of the United States. Soon after that, former president Clinton also contacted us and hoped to promote these great things benefiting humans all around the world. Collaborating with CGI, we presented the plan of 10,000 regenerative humans, among which the first promoted program is "plan of globally avoiding

diabetic foot amputations by regenerative healing”, expecting to eradicate diabetic foot amputations all around the world in five years. This year we plan to set up a committee in the scope of UN for promoting sovereign states’ national policy with the world of regenerative humans, consisting of the 170 member states which sign and form the committee, and then I give my core secret to the management of member States for promoting the world of regenerative humans globally and coordinately.

Technology and its matching products is our trump card. For example, MEBO burn ointment, its core secret lies in its compositions and framework dosage form. The compositions we are talking about is different from the ingredients mentioned in traditional Chinese medicine. MEBO burn ointment’s composition of raw material is listed on instructions, but the core secret of our MEBO burn ointment lies in its RNS rather than the ingredients such as berberine and baicalin which minimum amount is defined in Chinese pharmacopoeia while we set the limit of maximum amount for these ingredients. We profile each raw material by fingerprint spectrum, use their other spectrum composition (associated with cell nutritional metabolism) to open fatty acid channel. Our ointment’s framework dosage form is a patent previously never seen in human history, this dosage form can carry a variety of drugs, can be made into a variety of drugs. It is constituted by sesame oil and beeswax, beeswax forms the framework, sesame oil can dissolve the RNS only by special process.

Next, let’s look at the figure of damaged organ in situ regenerative restoration. Activated by RNS, PRC cells in human body convert in situ into pluripotent stem cells, and then differentiate into a variety of different cells and form different tissues, eventually replenish the original tissues and restore their integrity. This is also the route of US national policy.

This is a diabetic foot, establishment of collateral circulation, regeneration of lymphatic system and nerve endings are the mechanism of its healing. People’s Hospital of Xinjiang Uygur Autonomous Region has duplicated my study, everyone can replicate the study, but you must be clear about the mechanism. The regenerative function of PRC cells of wound site is the key to regenerative healing. Procedure of regenerative healing is initiated 12 hours after application of MEBO ointment on burn wounds, 3-4 days for diabetic foot, much slower for vasculitis which regenerative healing generally initiates seven days after application of MEBO ointment. Once liquefaction and discharge of necrotic tissues is observed during treatment course, it indicates that the wound site has had response of cell regeneration, then we can continue the treatment until the gangrene part detaches naturally, enucleation can also be used to remove the necrotic tissues, removed, thereafter, more and more new tissues grow out, collateral circulation is established reversely. Today, the gangrene of the patient visited in the ward is healed with full-thickness skin and without hypoxia. The skin temperature of the involved foot is even higher than the other foot. If you examine the biopsy of the skin of the involved foot, you can see that all nerves and blood vessels are physiologically regenerated. It is everyone’s own function, MEBO burn ointment provides physiological environment and nutrition essential to physiological regenerative healing. We can see that on the wound, the drug with framework dosage form enables solid necrotic tissues’ liquefaction and automatically discharge the liquefied products outside of the framework. The liquefaction process is accomplished through four main organic and biochemical reactions including hydrolysis, enzymolysis, saponification, and rancidity. These four reactions occur in the oil droplets of

the burn ointment, that is why application of burn ointment on extensive burn wounds prevents sepsis. Finally, esterification reaction happens between the oil droplets and surrounding tissues, liquefied products turn into water-soluble substances and are discharged from the wound site, and that cycle repeats. Understanding this principle, all problems of surface wounds are solved. To be emphasized, physiological osmotic pressure is essential to maintain wound regeneration environment, either too wet or too dry is not working. As shown in the figure, the wound covered by burn ointment was not impregnated, while that covered by Vaseline was impregnated which led to the necrosis of tissues. At present, all around the world, only MEBO burn ointment is able to maintain physiological moist wound environment. Under our influence, the FDA requires all ulcer wound drug must be able to moisten the wound and does not accept any application for a drug that dries the wound. Another most critical point is to isolate the wound tissues from external environment. First, the isolation is achieved by ointment layer, along with the wound regeneration process, an isolating membrane is formed between the newly generated tissues and ointment layer. This semitransparent isolating membrane is formed by the polymerization of fibrin in fresh plasma exudated from the wound and a cellulose polymer in MEBO ointment. After the four drug reactions occur outside of this membrane, RNS pass through the isolating membrane and get into the tissues. Local action happens at small area, and systemic reaction happens at large area wounds, emergency response capacity is increased by 20 times, which number is determined in human body. Human body's emergency response capacity for extensive burns is increased by 20 times, so the application of regenerative technology in burn patients does not need much fluid replacement. So this isolating membrane is very important, it isolates all bacteria outside of the membrane and under the membrane, newly generated tissues are almost bacteria free. As illustrated with an example of *Pseudomonas aeruginosa* in the figure, without this membrane, new physiological tissues can not be cultured and grow, the wound will start the process of wound repair with scarring. Sterilization and disinfection is the original principle of antibiotics, MEBO's bacterial inhibition is to induce bacterial mutation so that it produces less endotoxin which is within the range of normal human tolerance, therefore it will not cause human infection. We can look at these diagrams. When its toxins are determined, all in the normal range, not pathogenic. Similar principle, I discussed in 2004 with two Nobel Prize winners and showed them my study results that after absorbing RNS, cancer cells start apoptosis and normal cells grow normally. Now a research team at Stanford University has volunteered and started this study. We must understand that MEBO burn ointment is a culture medium that can prevent infection, remove necrotic tissues and regenerate in situ new tissues. Today I tell you that for patients with diabetic foot, even if the wound has healed, you need to use MEBO as skin oil, it continues to promote wound regeneration, otherwise cornification will occur on the wound some time later.

Another promoted program is internal organ regeneration. Look at this aging intestinal mucosa, less villi, thin wall. Regeneration, however, restored it to young state with thick and solid intestinal muscle and dense villi. This is the result of human experiment, look at the results of endoscopy. This is the results of a 25 year old woman without premature aging, villi of her gastrointestinal mucosa and jejunum are developed so well, just like a sheep; while for a 30- or 50-year-old person, the villi are aging like this, and this is an average result for large number of people; and for a 50- or 60-year-old

person, villi are sparse; for a 70-year-old person, villi are sparse and short. Therefore, the gastrointestinal and the body's aging are synchronized.

This is a 45-year-old member who has premature gastrointestinal aging, endoscopic result shows his gastrointestinal mucosa is at the 60- or 70-year-old state, blood vessels under villi are clearly visible and he also has chronic atrophic gastritis. After 23 months of regenerative restoration, villi are dense, and chronic atrophic gastritis is cured too. This is a 60-year-old volunteer ministerial leader with chronic atrophic gastritis, after health preservation, new tissues replace the original atrophic mucosa. Many gastrointestinal diseases disappear with the gastrointestinal mucosa regeneration. That is the result of 346 cases of gastric ulcer treated in 301 hospital before 2006, the ulcers of all patients taking routine medications plus GIC healed physiologically without scarring, while in those patients not taking GIC, the ulcers healed with scarring.

5. Fibrosis of various tissue cells

These are myocardial, liver and lung tissues with fibrosis, which all achieve physiological regeneration under the action of our RNS, and eliminate the coronary heart disease, cirrhosis and pulmonary fibrosis. Pulmonary fibrosis mentioned here refers to that caused by aging, not silicosis. We also promise our members this restoration of fibrosis, now, none of our members has cirrhosis or coronary heart disease. To achieve the regeneration of the first stage is the prerequisite to the launch of the second stage, the intermediate regeneration stage. This is a picture of the regeneration process of pulmonary fibrosis, once the pulmonary fibrosis disappears, chronic bronchitis and bronchitis are all healed. Kidney fibrosis is severe to the extent in need of dialysis, after renal regeneration, structure and function of renal corpuscle, cortex, and medulla restore to normal state. So is the pancreatic tissue regeneration, blood glucose is gradually under control in type 2 diabetes patients, RNS have no effect on reducing blood glucose, but they can regenerate the pancreas which secretes insulin to reduce blood glucose.

6. Some leukemia

Patients with blood diseases such as acute myelogenous leukemia (AML) and chronic myelogenous leukemia (CML) can achieve blood regeneration. This is a CML patient, former minister, when he came for health preservation in 2009, he was physically weak to be unable to walk independently and helped by two family members. After systematic health preservation, though splenomegaly is still there, his vigor, energy, spirit and strength are strong, although being 84 years old this year, his physical strength is very good. His CML has no significant progress, which is quite good. Look at another case of AML diagnosed by the hospital as terminal cancer, after three months of our treatment, the hemogram returns to normal state.

7. Immune system

Regeneration of the immune system can be more objectively observed by comparing the biopsy of aging lymph and the biopsy of young lymph.

8. Osteoporosis

In situ restoration of osteoporosis can be observed by comparing these two biopsy slices, as long as having health preservation, osteoporosis can also be regenerated and restore to the normal. Regeneration of muscle tissues is not a problem either, as we age, some muscles for movement break, especially the quadriceps, but muscle cells can re-render the young state after regeneration, newly generated muscle tissues replace the aging and broken muscle tissues.

9. Brain tissue regeneration

Problem currently existing in brain tissue regeneration is the influence of meninx on the absorption of RNS. Only one tenth of the required amount of RNS can pass meninx and be absorbed by brain tissues. Even though, we can prevent further progress of Parkinson's disease and dementia.

10. Scars and aging

Scar treatment is the regenerative repair by applying MEBO ointment following fractional laser drilling operation. It can make the epithelium of scar tissue convert into epidermis, in this area we can see the PRC pluripotent stem cells produce large amount of epidermal stem cells, so as to gradually achieve full-thickness skin physiological regeneration. Jun Tan, director in Hunan People's Hospital, was commissioned to do this study. Fibrocytes eventually die of apoptosis and are replaced by normal cells, in situ regeneration is achieved for scar tissues.

This is a case of lateral canthus wrinkles caused by eye pouch removal operation, after 40, canthus wrinkles gradually appear on the face of a woman. Applying MEBO ointment following fractional laser drilling operation generates new skin columns at the drilling sites, at the same time, stem cells activate the surrounding cells to proliferate and differentiate, these wrinkles disappear four weeks later. Look at this case of severe scarring, regeneration was achieved after two years of treatment. Fibrocytes perform apoptosis after absorbing RNS, and pluripotent stem cells release fiber degradation factors, multiple actions finally achieve skin regeneration. This is case achieving scar regeneration in 60 days.

We can also introduce RNS into skin by hyperbaric oxygen and do not produce any wound. This is the case of an American governor's brother showing the change after months of regeneration using this method. This is the change of arm eight months after regeneration. His lower extremity arterial blood circulation was not good due to a fall damage happened when he was young, the current physical examination showed his lower extremity circulation restored to normal state, which is taken by the doctor as Arabian Nights. These are the photos of a member at 55 and 60 years old, he is one of the Wall Street Investment 100 heroes. As we can see, his eyebrows, cheekbones and ears are all raised upwards. This technology of us is complete and mature.

Above is the concise explain of HBRR in aspects of academic originality, advancement and revolutionary, history, core mechanism, basic research, clinical applications, and the coming plan of global development. By this speech, not only all of us know what a great cause we are engaged in, but more importantly, we hope to benefit all humans with HBRRS by ultimately achieving the world of regenerative humans through our joint efforts.