



LUX BIO CELL

White Paper (English) Ver 0.8.8

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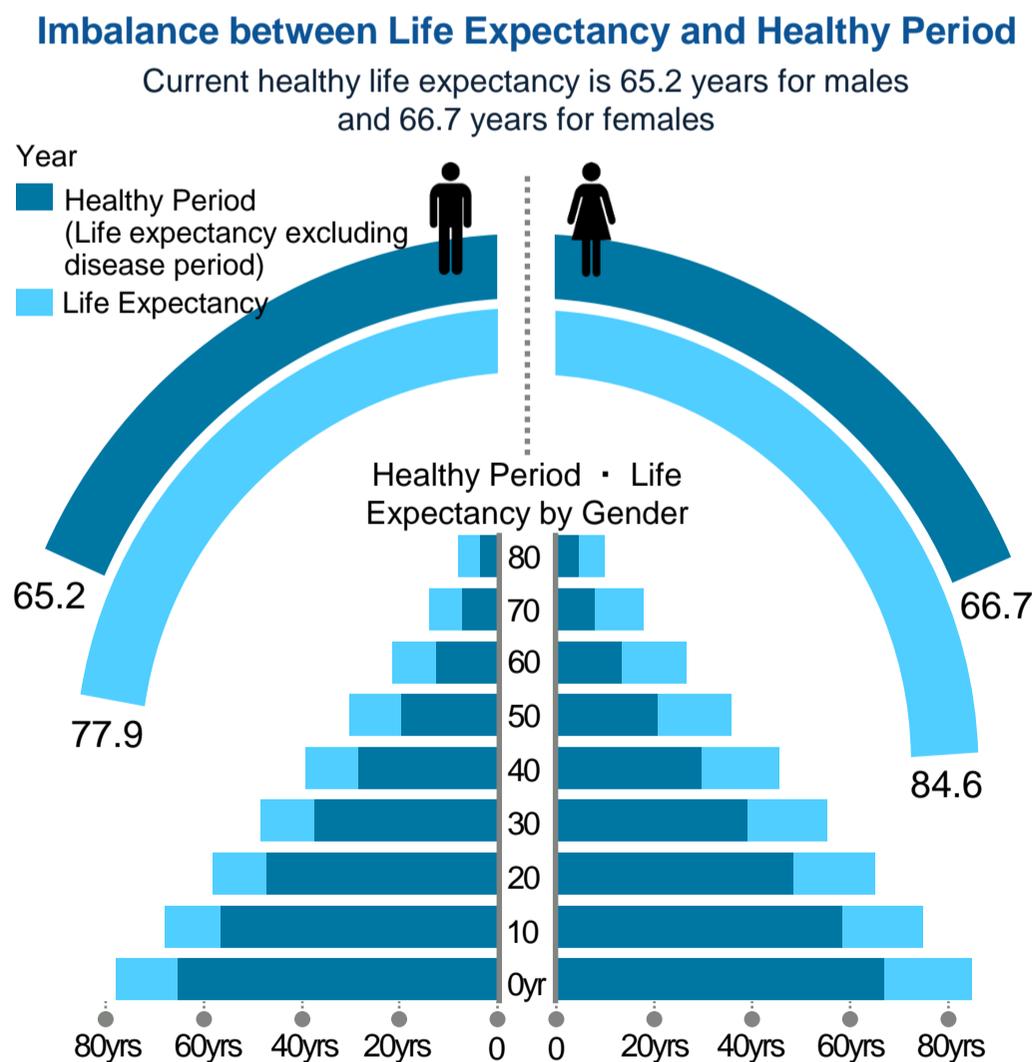
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Introduction: Backgrounds

In the 19th century, the average life expectancy of humans was only 42 years. However, the average life expectancy has rapidly increased in the 20th century as humans gained nutritional advancement as well as public health and medical technology improved. According to the report released by Korean Statistical Information Service[1], in 2016, the life expectancy at birth for males marked 79.3 years and 85.4 for females. Compared to a decade ago, These numbers have risen by 3.9 years and 3.3 years, respectively. However, unlike the increased life expectancy, the period of life in healthy state has decreased. For the babies born in 2016, the healthy period is 64.7 years for male and 64.2 for female, and the opposite disease periods are 14.5 years and 20.2 years for male and female, respectively, which represent 2.1 years and 2.5 years rise from 2012. The Life expectancy has improved rapidly from the past, yet as the period without healthiness has increased, suffering from various chronic illnesses such as high blood pressure, diabetes, and heart disease, quality of life of senior citizens is rather declining.



Resource : KOSTAT Life Tables for Korea. 2016

The Future of 'Bio-Healthcare' in the Era of Fourth Industrial Revolution

It is the eternal goal of the medical community to find a cure for illnesses, but more recently it has come to include prevention of diseases by providing proper medical information. In the face of the Fourth Industrial Revolution, some keywords related to health and medical treatment are 'prevention-focused,' 'customized precision medical treatment,' and 'advanced medical information.' The paradigm in medicine is shifting from cure-focused treatment to prevention and management of diseases. World governments and medical professionals are also weighing in on this change. Experts also highlight that more active treatments to lower the prevalence of diseases should be developed in order to increase the quality of life and lower the burden of social medical expenditure.

Preventive Medical Services

Preventive medical service is a medical field which focuses on methodology and application to protect, maintain and enhance human health based on science. Recently, its importance is increasing due to the spread of chronic diseases in today's aging society. Preventive medical service is playing an important role in a complex social phenomenon related to the current medical service, genetic research, and the development of various fields including medical informatics, in addition to various research on propriety of health and medical services for prevention and gene-environment interaction.

Preventive medical service is a medical service that is provided before the outbreak of a disease. Therefore, the subject of this medical treatment is not a patient but an ordinary person. It can be conducted on an individual or a group depending on whether the target is indiscriminate or specific. Experts stress that – to lower patients' onset rate of diseases, increase their quality of life, and to lighten the burden of social medical expenses – more active treatments as well as a reinforced system of preventing and managing diseases for preventive medical services are necessary.

Prevention-Focused Medical Science

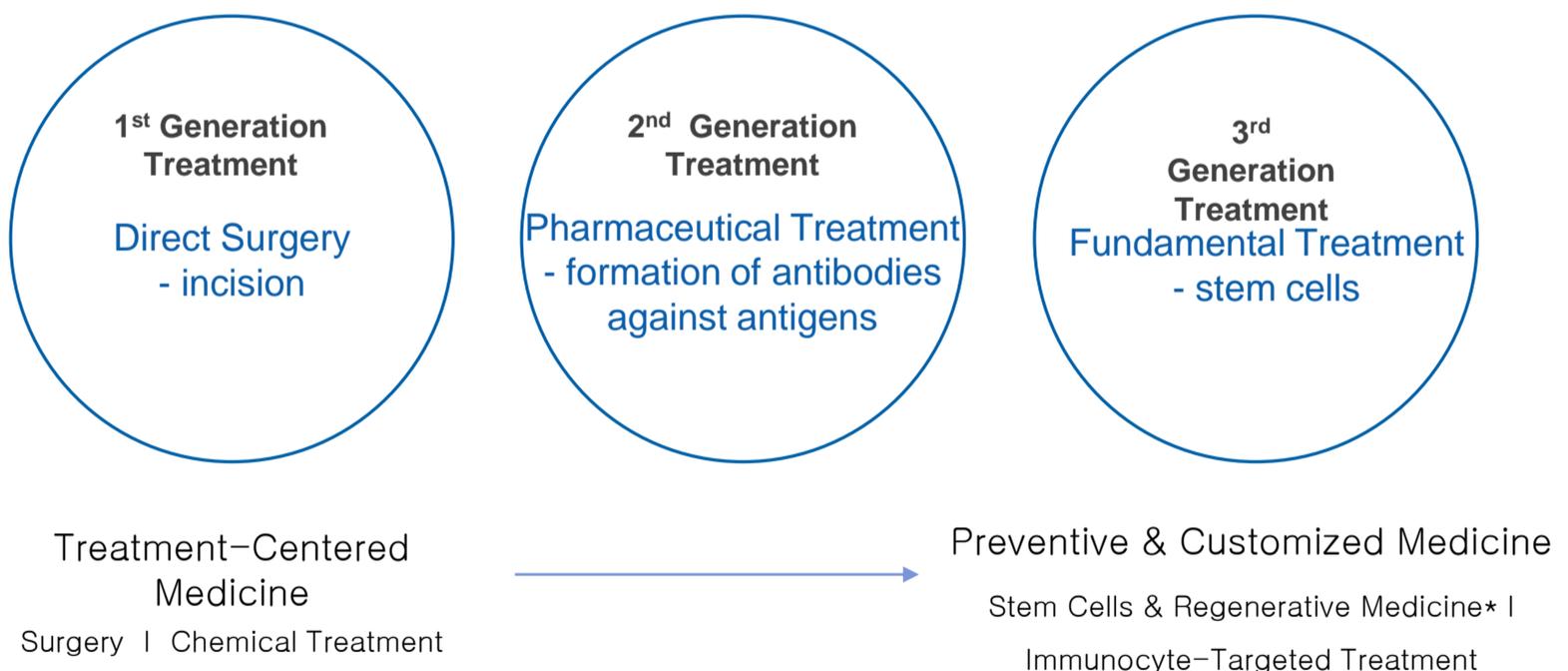


Cautions for Clinical Preventive Medicine

For the improvement of such preventive medical fields, we need scientific basis of clinical results of preventive medical services. Applying immediately to humans before scientifically validating new preventive medical services' safety and effectiveness can cause a damage with side effects. It would also cause an enormous economic damage due to high cost. Therefore, scientific assessments of safety and effectiveness of not only the preventive medical services that are newly being invented, but also every preventive medical service that is currently widely applied are extremely important. Medical institutions around the world are trying to create new scientific grounds by systematic scientific studies acquiring data of such clinical preventive medical services. The advancement of this field's medical information will play a vital role that leads the bio-healthcare industry in the future.

Development of Modern Medicine Today

Current medicine has been expanded and developed from a direct treatment based on surgery including incision, through the 2nd generation treatment method using drugs to fight against antigens and to cure, to gene therapy using stem cells treatment that seeks preventive medical services and personalized healthcare, and gene editing technology.



* Stem cells & Regenerative Medicine

It is a technology that regenerates body tissues including bones and skins, and a medicine that aims to maintain and restore bodily functions by creating substitutes for tissues or implanting stem cells.

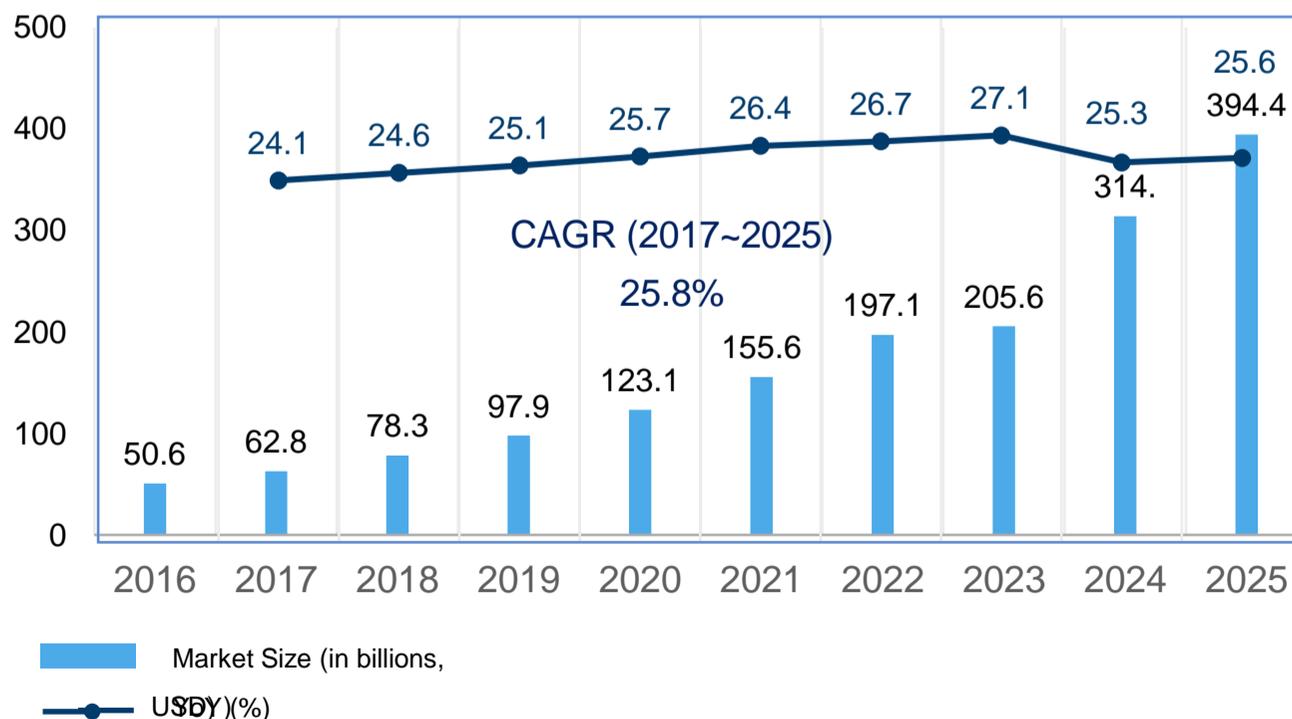
Stem Cells - Future of Longer, Healthy Period

In the era of longer and healthy life, medical society has been evolving in various fields such as genetic testing and telemedicine. Among these new technologies, our central focus lies on stem cell, a type of human cell capable of differentiating to any human body cells. Stem cell enables tailored medical services with reduced side effects. Furthermore, long-believed intractable diseases only to be treated with organ transplant can now be cured and stem cells can also be used for enhancing health and cosmetic purposes. Although we can trace back to 150 years ago to find the term stem cell used for the first time, research on stem cell did not produce any meaningful results to draw attention until the early 2000s. At the time, stem cells cultivation using embryonic cells was attempted only to be halted due to bioethics on using embryo, and problems like teratoma or cancer.

However, in 2007, research team from Kyoto University found iPSC (Induced Pluripotent Stem Cell), which is differentiated from adult cells, not from embryonic cells. Also, the head researcher Yamanaka Shinya won a Nobel Prize in Physiology/Medicine in 2012. This is when the potential of stem cells resurfaced in medical society.

Researches on stem cells have acquired clinical outcomes since the late 2000s and the technology also has been improved gradually. Procedures and medicines on stem cells are steadily studied and published. The market for stem cells is expected to show annual average growth of 25% until 2025 – area that everyone’s focus lies on with phenomenal technical innovation.

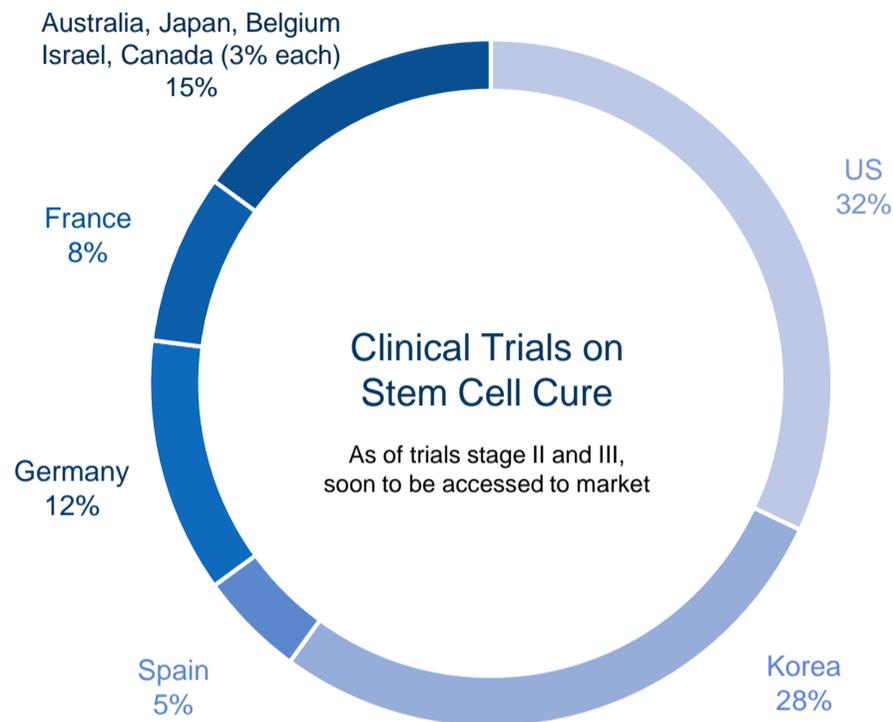
Market Status and Forecast of Global Stem Cells (2016~2025)



Resource: Inkwood Research, Global Stem Cell Market Forecast: 2017~2025(2017.4)[2]

Stem Cells for Longer, Healthier Life

Clinical Trial Status on Stem Cells by Counties



Research Status on Stem Cells by Counties

Countries	Political Stance	Investment	Key Strategies
US	Full support by the Federal Govt.	Increased from USD 500M in 2010 to 2B in 2013	Loosened policy to a human stem cell research scale
Korea	Selective support to stem cell technology development	Increased from KRW38B(2010) to 150B(2013)	65% of researches focused on adult stem cells extracted from bone marrow, umbilical cord or blood. Limited research on human embryonic stem cell
중국	Chosen as national strategic industry	Increased from CNY150B(2010) to 400B(2013)	Full-scale approval on embryonic stem cell researches for treating diseases 5-year-plan for Stem Cell Development by 2015
영국	Focused support to researches for commercialization	Increased from GBP50M(2007) to 100M(2013)	Proactive support on clinical trials for corneal restoration and cell treatment for stroke
일본	Focus on Induced Pluripotent Stem Cell research (iPSc)	Increased from JPY 6B(2008) to 20B(2013)	Focused investment on 3 specialized labs including Kyoto University

Treatment Areas of Stem Cells

Stem cell refers to a type of cells that have the ability to self-replicate and differentiate into various cells. It can also be used for treating various tractable and intractable diseases as it plays a vital role in producing cell treatment cures. A stem cell is a kind of a primordial cell which can make any kinds of cell that form human bodies. Stem cells can recover injuries or fractures as well. Stem cells are currently used for immunity enhancement, pain relief, anti-aging cosmetic procedure and treatment for inveterate rare diseases.

THE NEW ERA OF REGENERATIVE MEDICINE
Dozens of biotech companies and university labs are developing ways to replace or regenerate failed body parts. Here are a few of the projects:

- SALIVA GLANDS:** Proteins called aquaporins that allow cells to secrete water are used to recreate saliva glands damaged by disease or radiation. Glands are also being engineered to secrete healing drugs. The technique has proven successful in mice.
COMPANIES: None yet.
- TEETH:** Enamel matrix proteins are used to fill cavities. It works in dogs; human trials are a few years away.
COMPANIES: Glora, Atrix Laboratories, Creative BioMolecules.
- BONE:** Bone-growth factors or stem cells are inserted into a porous material cut to a specific shape, creating new jaws or limbs. A product that creates skin bones is in clinical trials.
COMPANIES: Creative Biomolecules, Orquest, Sulzer Orthopedics Biologics, Genetics Institute, Cairis Therapeutics, Regenaron.
- TRACT:** Cartilage cells are taken from the patient, packed into a tiny matrix, and injected into the weakened ureter, where they bulk up the tissue walls to prevent urinary leakage. The method is in late-phase clinical trials.
COMPANIES: Regenogenesis, Integra LifeSciences.
- BREAST:** In preclinical studies, several concepts have been able to create a cosmetic nipple by inserting a ball of cartilage. Researchers are now trying to grow a whole cosmetic breast.
COMPANIES: Regenogenesis, Integra LifeSciences.
- LIVER:** A spring membrane built up and then sutured with liver cells. Organs the size of a dime have been grown, but a full-size liver could take 10 years due to its complexity.
COMPANIES: Advanced Tissue Sciences, Human Organ Sciences, Organogenesis.
- SKIN:** Organogenesis' Apligraf, a human-skin equivalent, is the first engineered body part to win FDA approval. Initially for leg ulcers, other skins are in the works for foot ulcers and burns.
COMPANIES: Organogenesis, Advanced Tissue Sciences, Integra LifeSciences, LifeCell, Ortec International.
- BLADDER:** Doctors at Children's Hospital in Boston have grown bladders from skin cells and implanted them in sheep. They are about to try the same process on a patient.
COMPANIES: Regenogenesis.
- PANCREAS:** Insulin-manufacturing cells are harvested from pigs, encapsulated in membranes, and injected into the abdomen. The method has been tested in animals and could be in human trials in two years.
COMPANIES: Organogenesis, Advanced Tissue Sciences, GeneTech, LifeCell, Regenogenesis.
- CARTILAGE:** A product is already on the market that regrows knee cartilage. A chest has been grown for a boy and a human ear on a mouse.
COMPANIES: Genzyme Tissue, Biomatrix, Integra LifeSciences, Advanced Tissue Sciences, Regen Biologics, Cairis Therapeutics.
- HEART VALVES, ARTERIES, AND VEINS:** A 10-year initiative to build a heart has just started. Genetically engineered proteins have been successfully used to regrow blood vessels.
COMPANIES: Organogenesis, Advanced Tissue Sciences, GeneTech, LifeCell, Regenogenesis.
- SPINAL CORD NERVES:** Scientists are investigating nerve-growth factors, injecting them at the site of damage to encourage regeneration or seeding them along biodegradable filaments and implanting them. Rats have been made to walk again.
COMPANIES: Accorda, Regenaron, CytoTherapeutics, Guilford Pharmaceuticals.

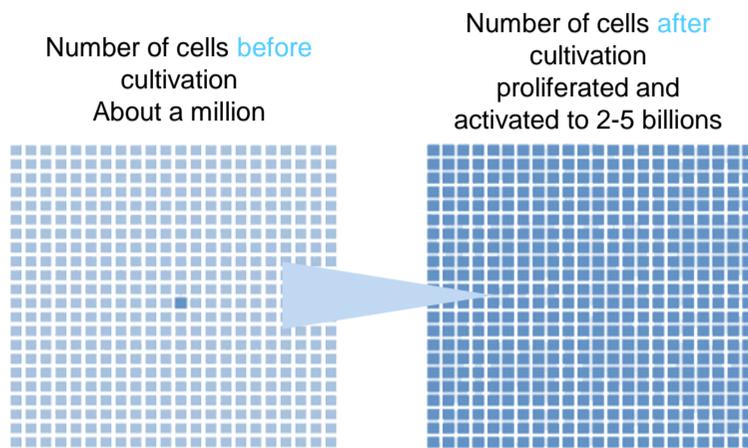
DATA: BUSINESS WEEK, DRUG & MARKET DEVELOPMENT REPORTS

Stem Cells Banking

Stem cells banking is a type of treatment of preventive medical services in which adult stem cells and immunocytes are extracted and saved from fat tissues and such. Cells that can be acquired by one's own body do not cause a problem for a future procedure or treatment. Also, as many of them can be acquired from a small amount of tissues, they became an essential option for extending youth and anti-aging.

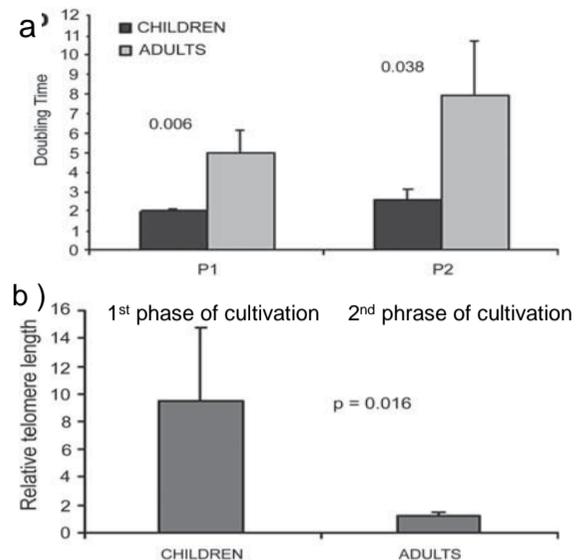


Extraction and Differentiation of Stem cells



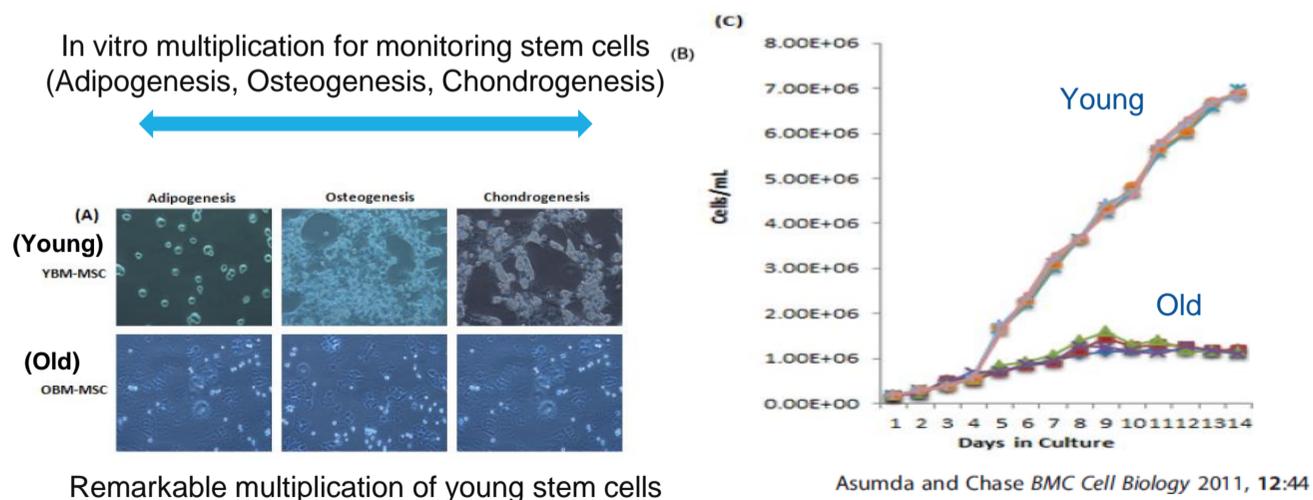
Stem cells multiplication by 200 ~ 500 times

Cytotherapy, 2010; 12: 881-887



Graph 1 : Comparison between young stem cells and old stem cells

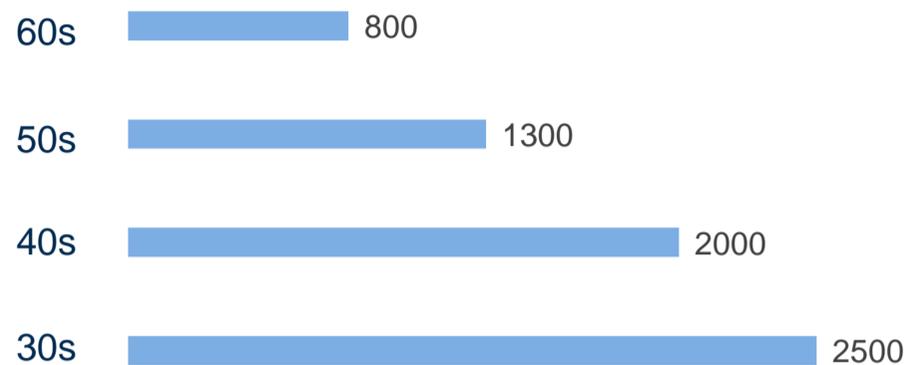
Treatment with stem cells is the only alternative for diseases that are incurable with current medicine, and the core of regenerative medicine. If an insurance is a preparation for 'medical expenses', storing one's own healthy stem cells is a preparation for 'medicine'. Storing your stem cells when you are the youngest and the healthiest is a 'medical insurance in the true sense' making provision for an inveterate illness which can be occurred in the future. Especially, adult stem cells of a young person are advantageous for cell treatment and tissue engineering. This is because, with advancing years, an adult stem cells loses its ability of proliferation and differentiation. A young person's stem cell differentiate faster compared to that of an old person, and the short differentiation time remains the same even when incubation time is lengthened. However, a stem cell of an old person shows a longer differentiation time as incubation time is increased and loses the proliferation ability markedly. Young cells show a firm proliferation ability – proliferating more than millions of times – yet, old cells don't differentiate after some.



Asumda and Chase BMC Cell Biology 2011, 12:44

Young adult stem cells are better at (A)differentiation and (B)proliferation. In the case of cell therapy which uses cells from the patient's own body, using young stem cells produced better results, and this is due to the decline in proliferation and differentiation abilities of stem cells as shown in the graph above.

Cell Number Decrease by Age



It is of utmost importance to store cells when young and healthy as global researches have proven that the younger the body is the more vitality and number of cells have. As stem cells, just like our bodies, age over time. Therefore, transplanting young and healthy cells can maximize treatment effects.

Cell Changes by Age



Younger

Older

Healthy

Aging and Diseases

Maximum number and functions of cell
Maximum anti-cancer ability
Usable as cell treatment
Easy extraction

Cell number decrease
Weakened anti-cancer activity
Decreased utility as cell treatment
Difficult extraction

Problems Stem Cells Tackle

Although it is certain that stem cells are the future of humanity, there still are certain problems that should be solved.

Firstly, there is a high possibility that embryo stem cells or iPSCs differentiate to unintended cancer cells. Secondly, stem cell regulations that vary by each country and sudden policy changes can hinder coherent, predictable medical services. Third, it is hard to find a reliable service provider. Fourth, there always exists a risk of identity theft. Due to these problems, medical services related to stem cells are very costly, and treatments and procedures are practiced in only very limited fields.

Technical Problems to Manage Stem Cells

Stem cells are vulnerable to even very low level of pollutant. Microbiosis and cellular alteration should be prevented through thorough supervision. Also, it has a potential side effect to differentiate to cancer cells as stem cell is highly differentiable to any human body cells.

Government Regulations on Stem Cells

There are scores of phases between stem cells and adult cells. The difficulty of handling increases as stem cells are closer to the early stage, therefore, each country has different stance towards stem cells. In Korea, the court reached its decision that the stem cell incubation of a bio company is applicable to making unauthorized medicine in 2016. A global paradigm change is necessary in order to enable stable stem cell research and new drug development in such volatility.

Threat to Personal Information Leak

In July, 2018, there was Singapore's worst cyber attack that hackers have stolen the personal information of 1.5 million patients from Singapore's largest health care institution. This included personal information of Singapore's prime minister. Stem cell-related information, much more sensitive than general medical information, requires a far higher level of monitoring attention.

Contributing to your happiness through accelerating healthy beauty

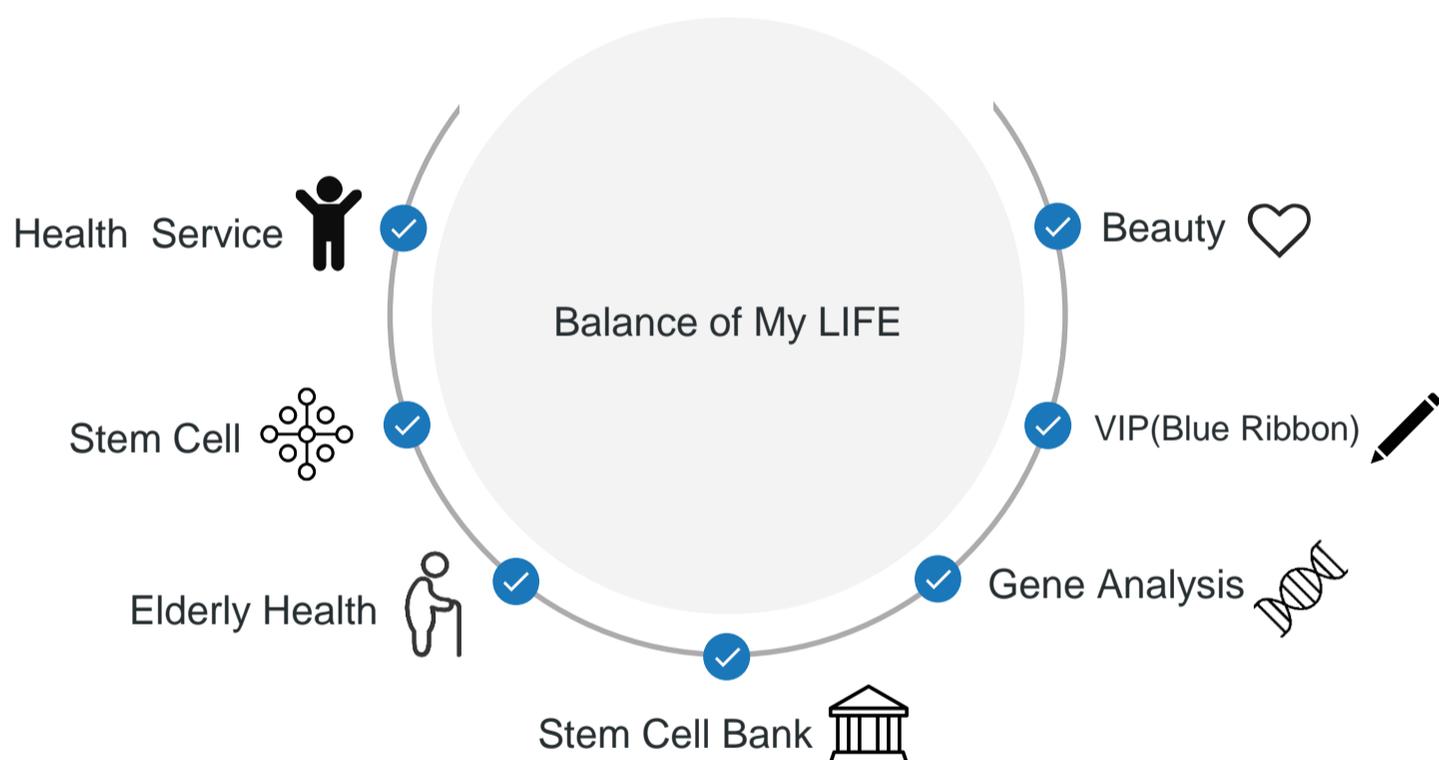
MEDICAL + ANTI AGING = **MEDI-AGING**

KEY WORDS of bio healthcare industries in the fourth Industrial
revolution

Forecast genetic tests, Big Data, Analysis

Prevention stem cell, life style, customization

Happiness With **LUX BIO EXCHANGE COIN** Project



As our vision “Contributing to your happiness through accelerating healthy beauty“ states,

LUX BIO EXCHANGE COIN will pioneer bio researches related with not only stem cells but also redox biochemistry that will lead medicine technology in the fourth industrial revolution era.

Through blockchain-based, top-notch medical services we provide, we are ready to play a vital role as Global Blockchain Bio Healthcare Hub. This will empower us to reach our goal to make everyone have a beautiful and healthy life.

Providing the Best Health Solutions Through LBXC Platinum Plan



Medical Checkup and Tailored Diagnosis

1:1 Checkup Programs Tailored to Individuals

Comprehensive Testing	Cancers	Brain/Heart/Lungs	Metabolic Syndromes	Musculoskeletal system	others		
Anti-aging Testing	NK Cell Activity	Telomere	Hormones	Organic Acid	Oxidation Stress		
Genetic Testing	Prenatal Checkup	Monitoring Diseases	Predicting Cancers	Specialized Testing			
Target Testing	Dementia	Climacterium	Alopecia	Insomnia	Smoking	Skin	Obesity

LBXC Platinum Plan MAIN PROGRAM



Immunocyte Treatment

Immunocyte treatment refers to a type of treatment utilizing human cells natural trait to defeat any foreign viruses or abnormal cells infiltrated into body. In essence, immunocytes in our body recognize any abnormalities, “counter homeostasis.” Immunocytes prevent viruses or germs coming into human bodies. Such cells are utilized for preventing and treating cancers, and also strengthening immunity and Anti-aging therapy. Immunocyte treatment is a next generation treatment that this has little or no pain, or side effects.

Characteristics of Immunocyte Treatment

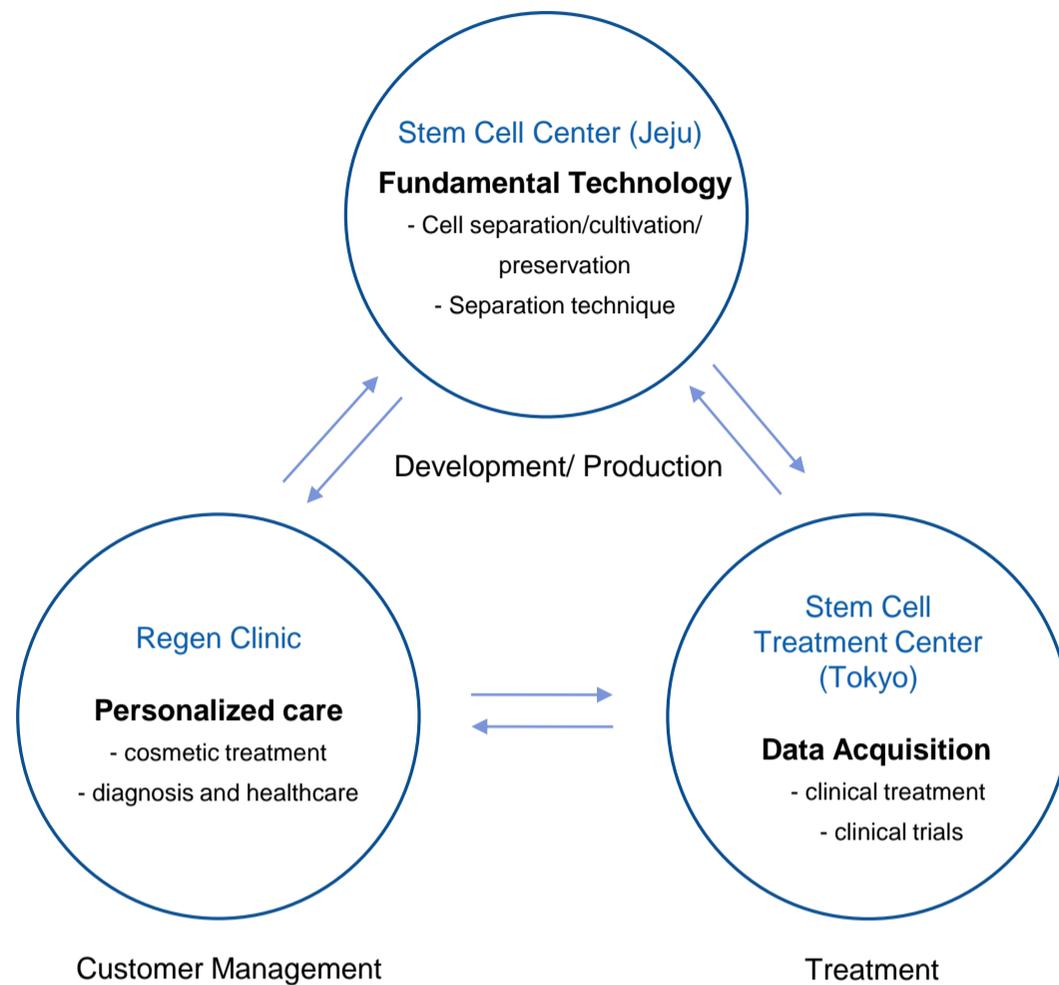
- It is highly effective when combined with surgeries, radiation, chemotherapy, etc.
- It normalizes bodies’ weakened immune system.
- It activates the immune function, which fights against cancer and other viruses at the maximum level.
- It is easy to use and convenient
- There is virtually no side effects as it is using patients’ own cells

Skin Fibroblast Treatment



Skin Fibroblast recovers the wrinkles and lost elasticity from aging by forming collagen and elastin which are the main components of dermal layers, and repairing damaged skin. Fibroblast that generates collagen is incubated after separated from a patient’s own skin behind ears. Self fibroblast incubated more than 1 billion will then be injected in dermal layers. It is an innovative way of treatment to recover the depressed skin.

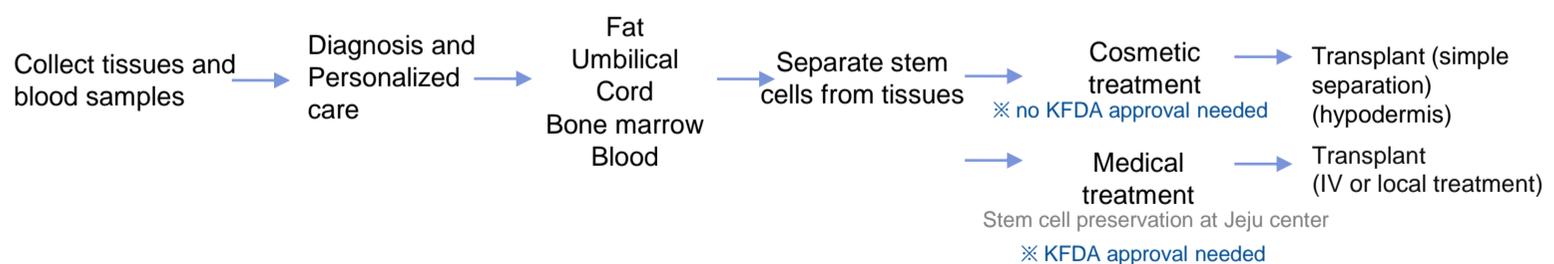
Stem Cell Treatment Operation Plan



Reliability of Adult Stem Cell Treatment

Stem cell treatment is perceived as a safe procedure in general, yet Japan stands as the only state legally allows it to be practiced. In case where differentiation process may be artificially induced, the government of Japan conditionally approves the productions for sales purpose with the requirements of appropriate clinical trials. Japan authorizes medical doctors to conduct the treatments with stem cells extracted within the same building. Discovery of cancer cell growing due to adult stem cell transplant has not been reported until today.

Stem Cell Treatment Process



Applicable Stem Cell Market: Cosmetic/ Plastic Surgery

Applicable Areas

Volume enhancement & Skin Rejuvenation

- forehead, temple, eye wrinkles, cheekbone, nasolabial fold, breasts, etc.

Plastic Surgery Trends

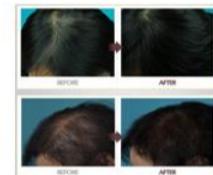
- Volume enhancement → adipose tissue + SVF or adipose tissue + PRP + SVF
- Skin rejuvenation → PRP + SVF or SVF + Growth Factors
- For lipo-related treatment, use SVF (Stromal Vascular Fraction)



1) Breast Implants Cast



3) Hair Loss Treatment



2) Facial Cosmetic Surgery



4) Other Applications: Wrinkles, freckle, etc.

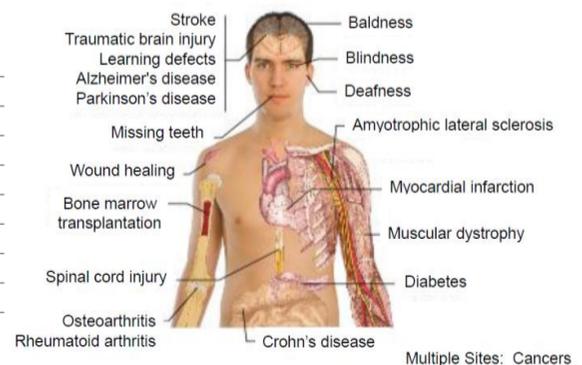
Applicable Stem Cell Market: Disease Treatment

Applicable Areas

- Cures : Direct local area injection, phleboclysis
- Alzheimer(direct injection) , Parkinson's disease, macular degeneration(direct injection), glaucoma(direct injection), arthritis(direct injection), plantar ulcer/ scar removal(direct injection), diabetes(IV), femur avascular necrosis, vertebrae compression fracture
- Degenerative arthritis, patella chondromalacia, rheumathritis, lupus, bronchiectasis, lung disease

Disease	Global Cases (Unit: Million)	질 환 병	Global Cases (Unit: Million)
Cardiovascular disease	840	Alzheimer's disease	26
Lung disease	500	Burns(severe)	10
Arthritis	290	Parkinson's disease	5
Incontinence	240	Liver failure	3
Osteoporosis	200	Multiple sclerosis	3
Diabetes	180	Critical limb ischemia	2
Cancer	150	Crohn's disease	2
Infertility(male)	50	Sickle cell disease	1
Orthopedics	48		

Case Number of Patients Treatable by Stem Cell (2007)



Market Access Strategy by Phase

Phase I: 2019 1st Half

Stem Cell Center
Establishing bridgehead market for
disease treatment Accumulating inter-hospital
clinical trial data

2019 2nd Half

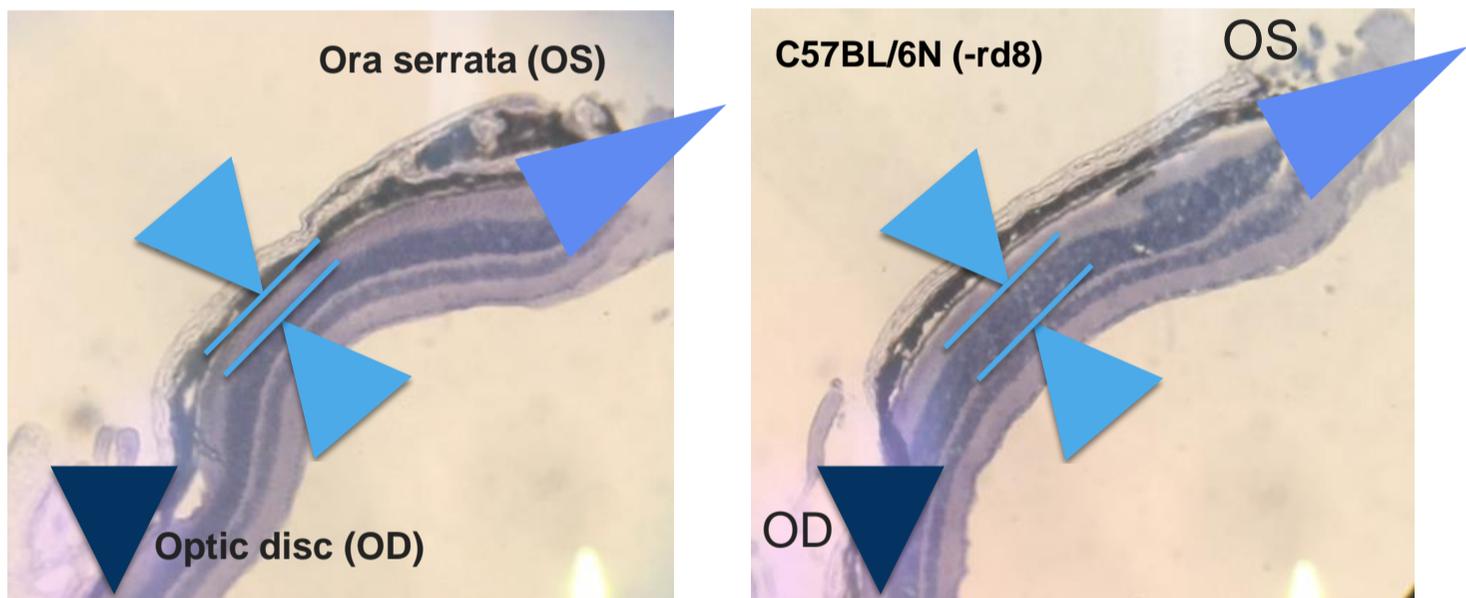
Key Hospitals in Japan

Phase II: 2020 ~

Other Diseases
Market expansion

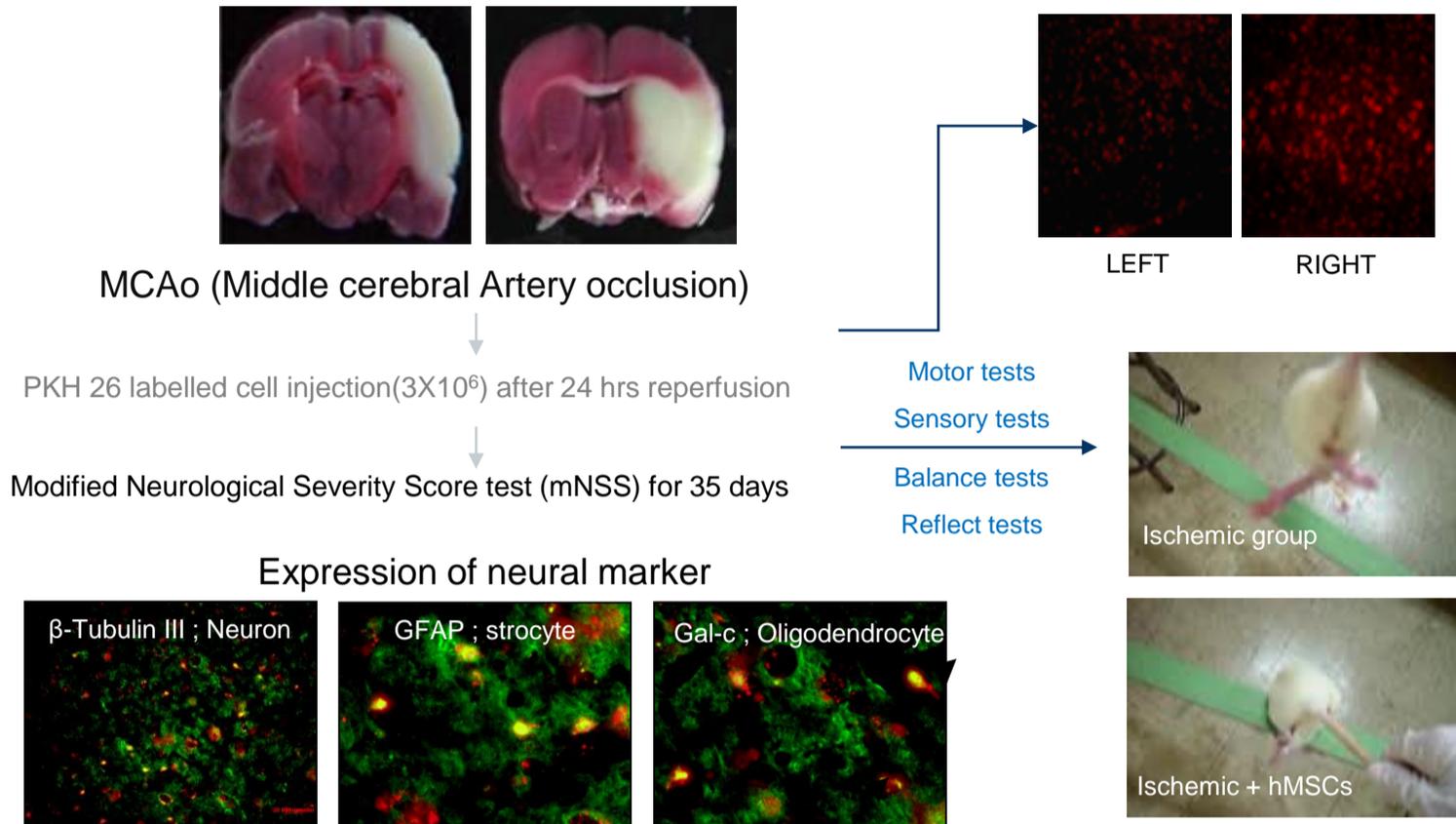
Stem Cell Test Results: AMD

Animal Study

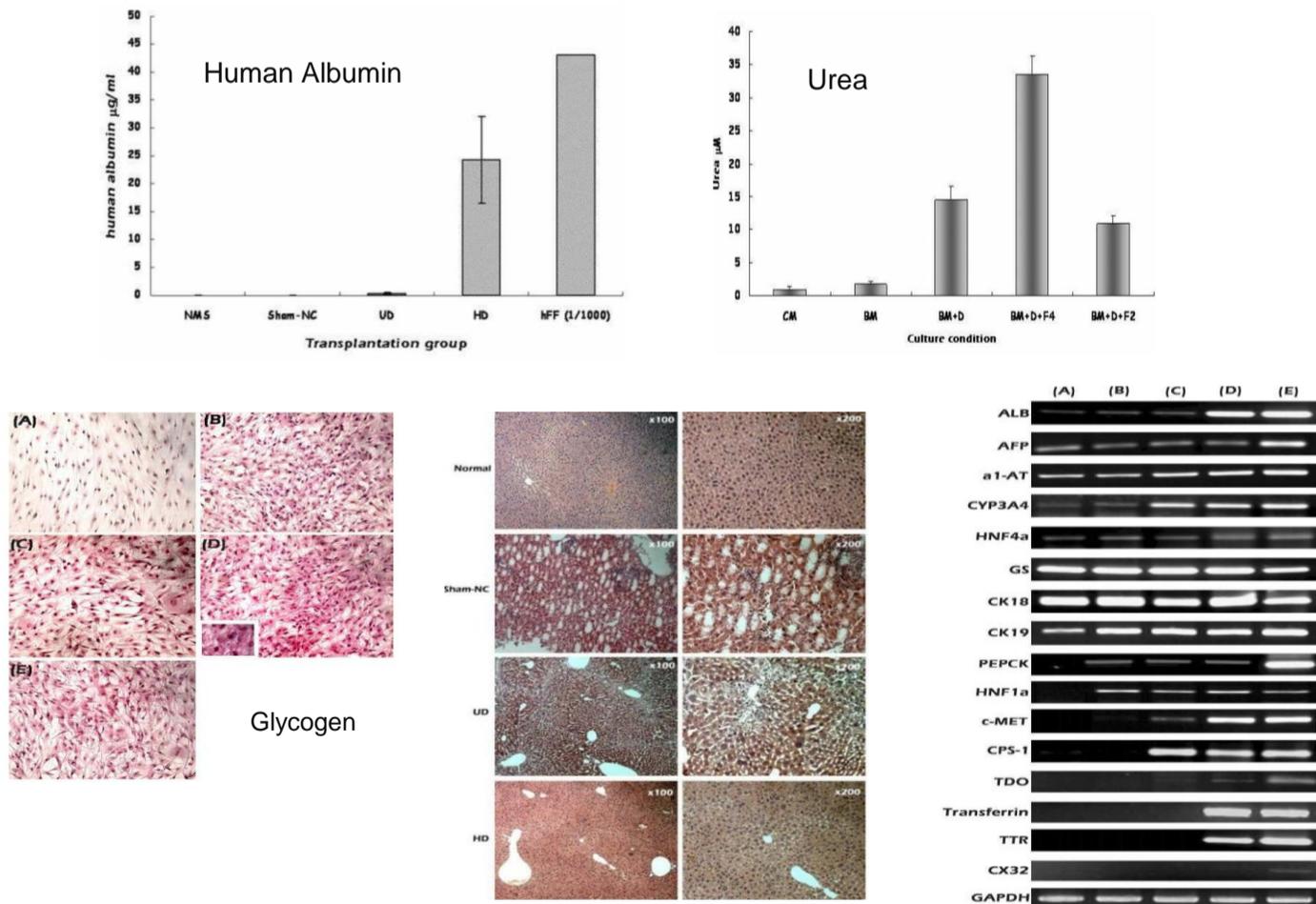


After Stem Cell Treatment

Stem Cell Test Results: Neurologic

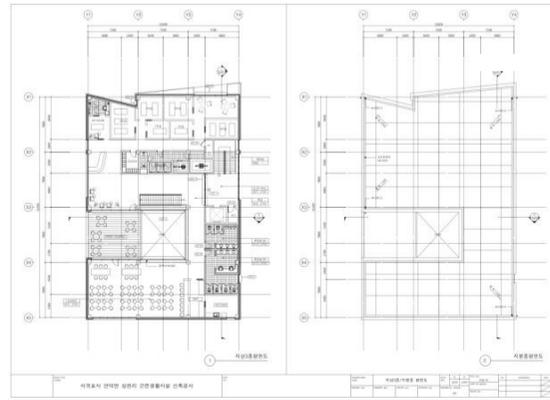
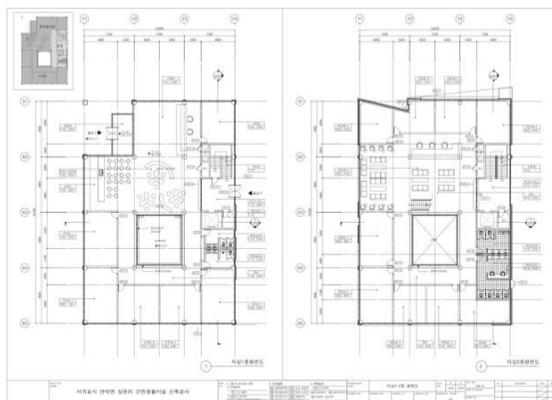
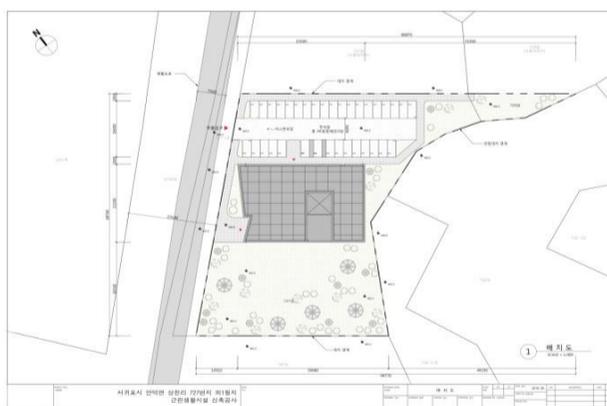
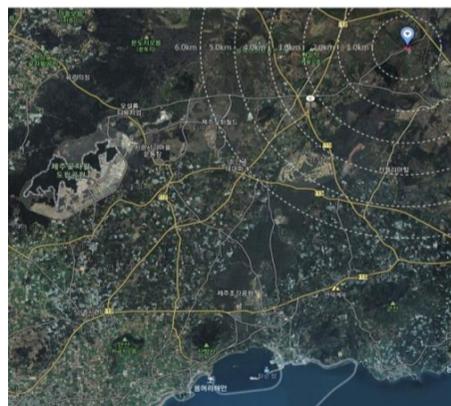
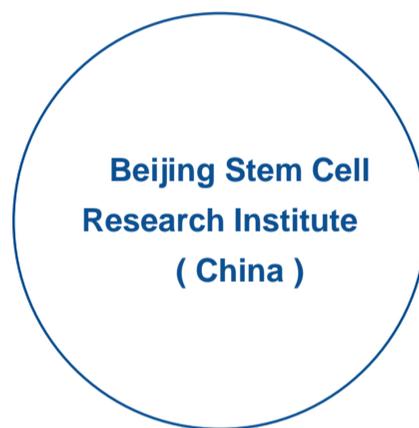
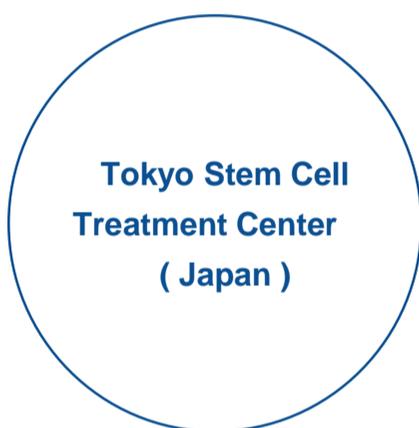
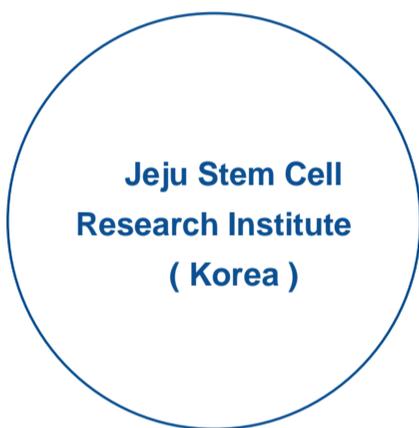


Stem Cell Test Results: Diabetes, Liver Disease



It is certainly the best to preserve stem cells as soon as possible as they tend to be healthier when they are younger. Closely cooperating with global professional stem cell organizations, LBXC accepts applications for stem cell preservation on DBE platform. The cells are to be preserved under cryogenic conditions through the life-time of each client. Cell bank is the pivot of LBXC's stem cell service. To enforce the long-term preservation of the cells, we are considering building additional cell banks in multiple locations, followed by the establishment of a medical facility that would have a capability of stem cell research. LBXC has a long-term scheme to provide clients with one-stop health care services regarding stem cell treatments with every different forms of resources ready.

Guaranteed Safety by Preserving Cell in Different Locations



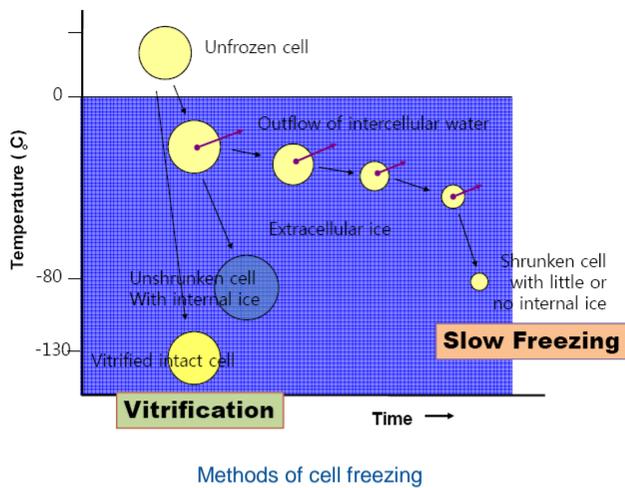
LBXC Cell Bank Planned in Jeju

A 10,000m² Private Wellness Center for foreign patients visiting Jeju, Korea
(scheduled to open in late 2019)

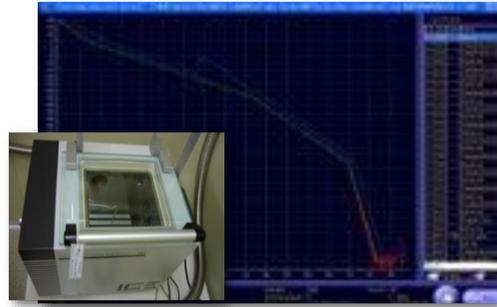
Center with private accommodation and tailored wellness programs only for REGEN Medi-aging clients



Medi-aging Stem Cell Center Japan



Computer controlled freezer Below -170°C vapor type LN₂ tank



1: -1Temp #79C on 7/13/2007 06:17
 Temp #1: -179C on 7/13/2007 07:17
 Temp #1: -179C on 7/13/2007 08:17
 Temp #1: -179C on 7/13/2007 09:17
 Temp #1: -179C on 7/13/2007 10:17
 Temp #1: -179C on 7/13/2007 11:17
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 Temp #1: -178C on 7/13/2007 13:17
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Separate storage in Korea, Japan and China

Stem Cell Key hospitals for anti-aging stem cell treatment and intractable disease



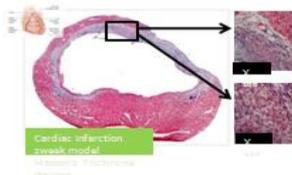
Approved stem cell treatment for securing clinical data and accumulating treatment technology

1) Chondrocyte Treatment



Stem cell transplant

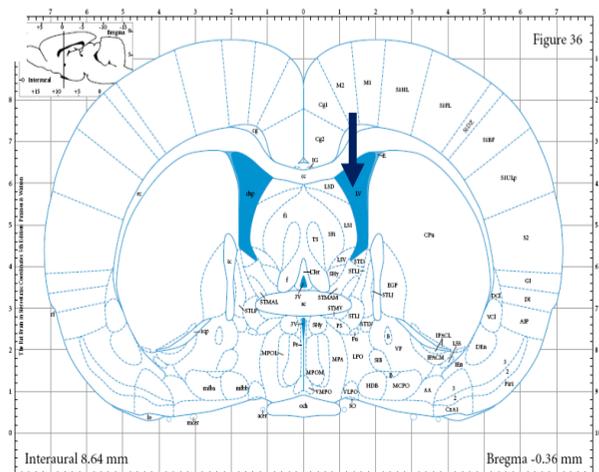
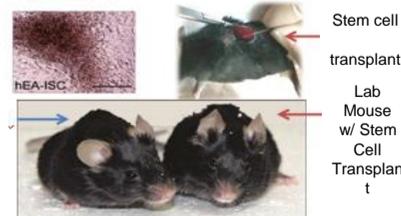
2) Cardiac Disease: Acute myocardial infarction, ischemic heart disease



3) Brain Disease: Stroke, cerebral infarction



4) Diabetes



For the convenience of visitors to the center, we provide one-stop service from visa services before arrival to prognosis management, and offer customized programs that truly define medical tourism including performances · exhibitions · sightseeing · shopping · cultural experiences etc. depending on the visitor's preferences.

REGEN MEDI-AGING



Medical



Living

Before Arrival

- Issuance of medical visa
- Reservations for checkup and treatment

- Issuance of medical visa
- Flight reservation
- Hotel reservation

After Arrival

- Airport pick-up and drop-off
- Professional medical translator
- Counselling followed by examination
- 1:1 customized program

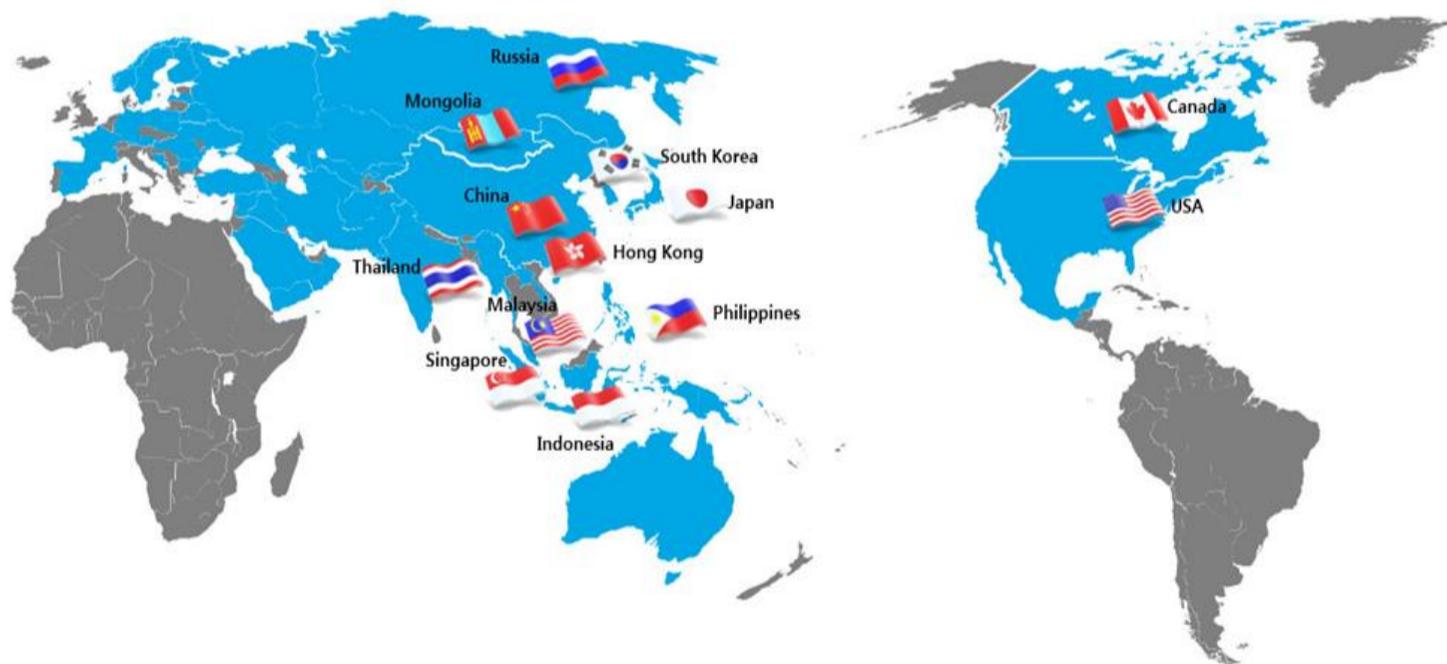
- Airport pick-up and drop-off
- Professional medical translator
- Sightseeing · shopping · cultural experiences
- Information on performances · exhibitions
- Information on Korean cuisine and restaurants

After Departure

- Prognosis management
- Lifestyle coaching
- Improvement (Customer survey)

- Purchasing agent for customer
- Improvement (Customer survey)

Establishment of network of local hospitals



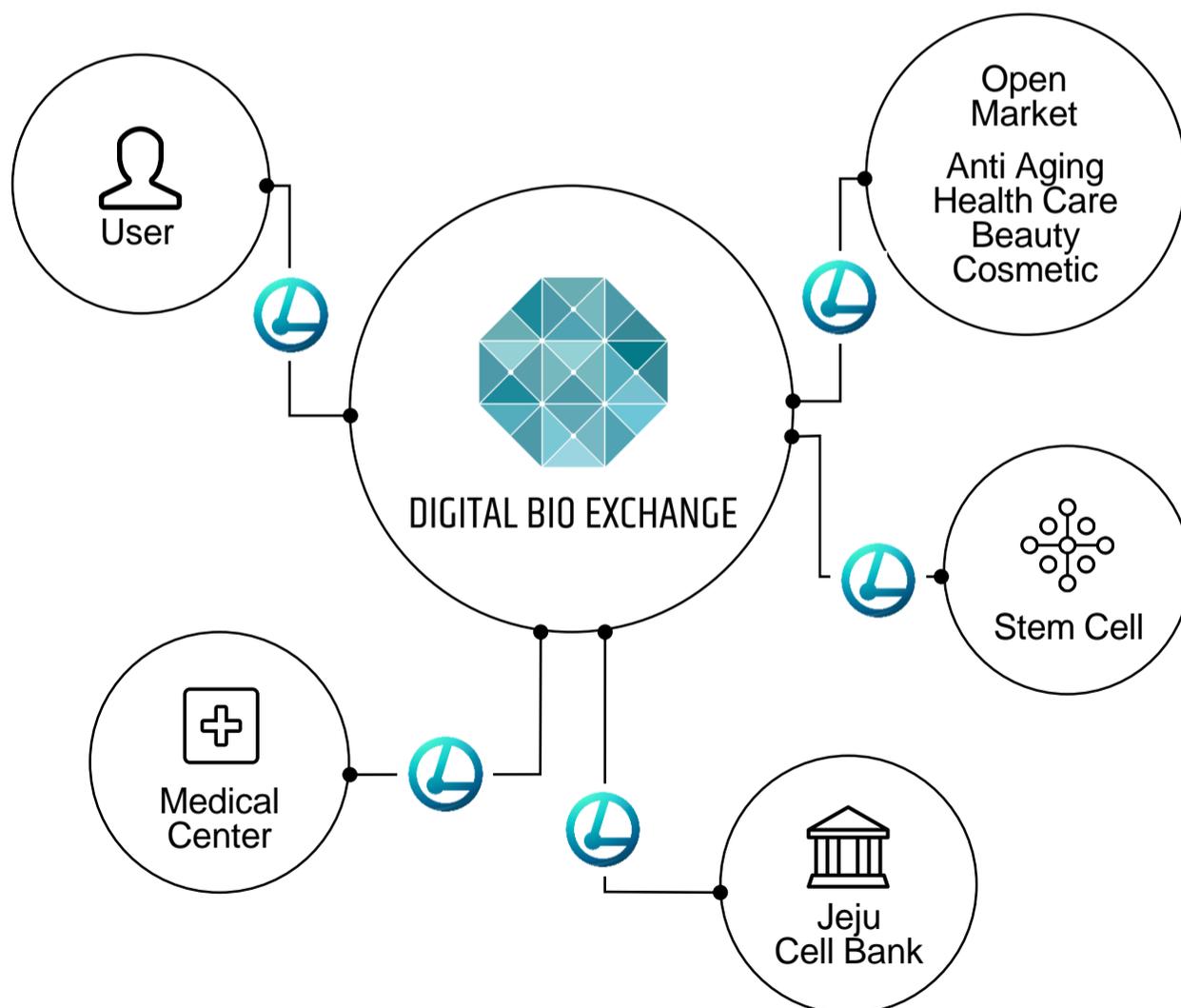
The main program is operated in our centers in Seoul and Jeju, but we are expanding our network of hospitals all over the world in order to provide a smoother, more systematic follow-up service for our customers.

LUX BIO EXCHANGE COIN

LBXC Coin is a dream-realizing project that aims supporting the society to be where everyone stays away from sufferings from illness thus sustain healthy lives from efforts of professionals in stem cell, health care, and beauty care.

LBXC Coin is projected to be evolved to a one-stop health care system driven by stem cell technologies, and we are attempting to build an ecology merging with a block chain system. There are a number of companies developing services with stem cell technologies, yet it is not intuitively easy to clearly see the details of each nor how they fit each client. In LBXC, we are aiming to build a cooperative ecology with divergence of companies, so each client could be suggested with services fit right just for them.

LUX BIO EXCHANGE COIN Scheme



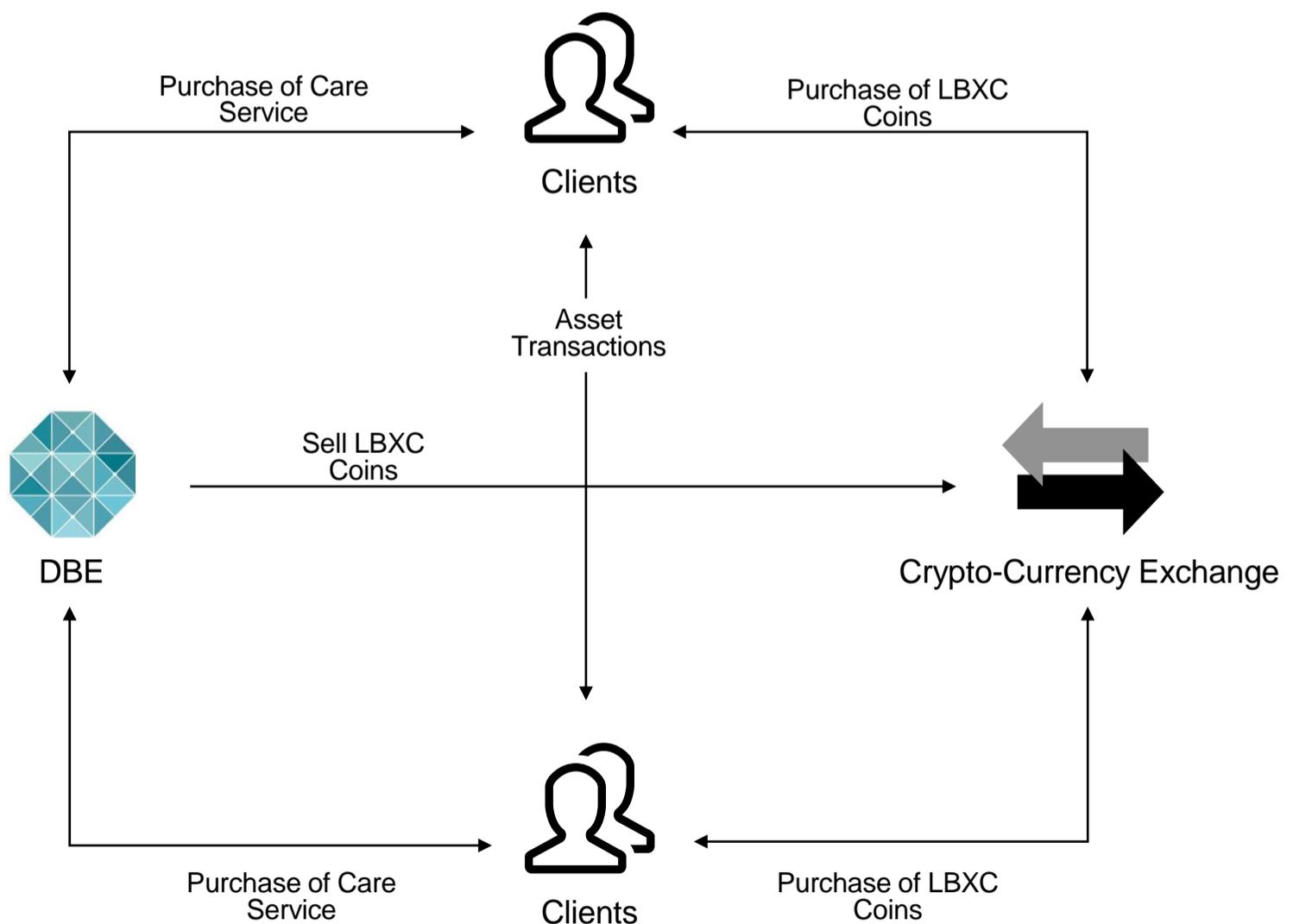
DIGITAL BIO EXCHANGE

DBE platform will bring LBXC's ideal to reality.

Clients will be eligible to safely manage their own medical data, choose particular part of it to be published for better suggestions, then get rewards for publishing them just by signing up.

Services such as anti-aging care, health care, cosmetic care will be available in an open market through DBE with LBXC Coins purchased from Cryptocurrency exchanges. Additional state-of-art stem cell treatment services will also be available through [LUX BIO EXCHANGE COIN Platinum Plan](#). Clients will be able to exchange their LBXC Coins through DBE, or store coins into their savings account on DBE and get rewarded with partial profits of sales on the market.

LBXC Coin Ecosystem Flow

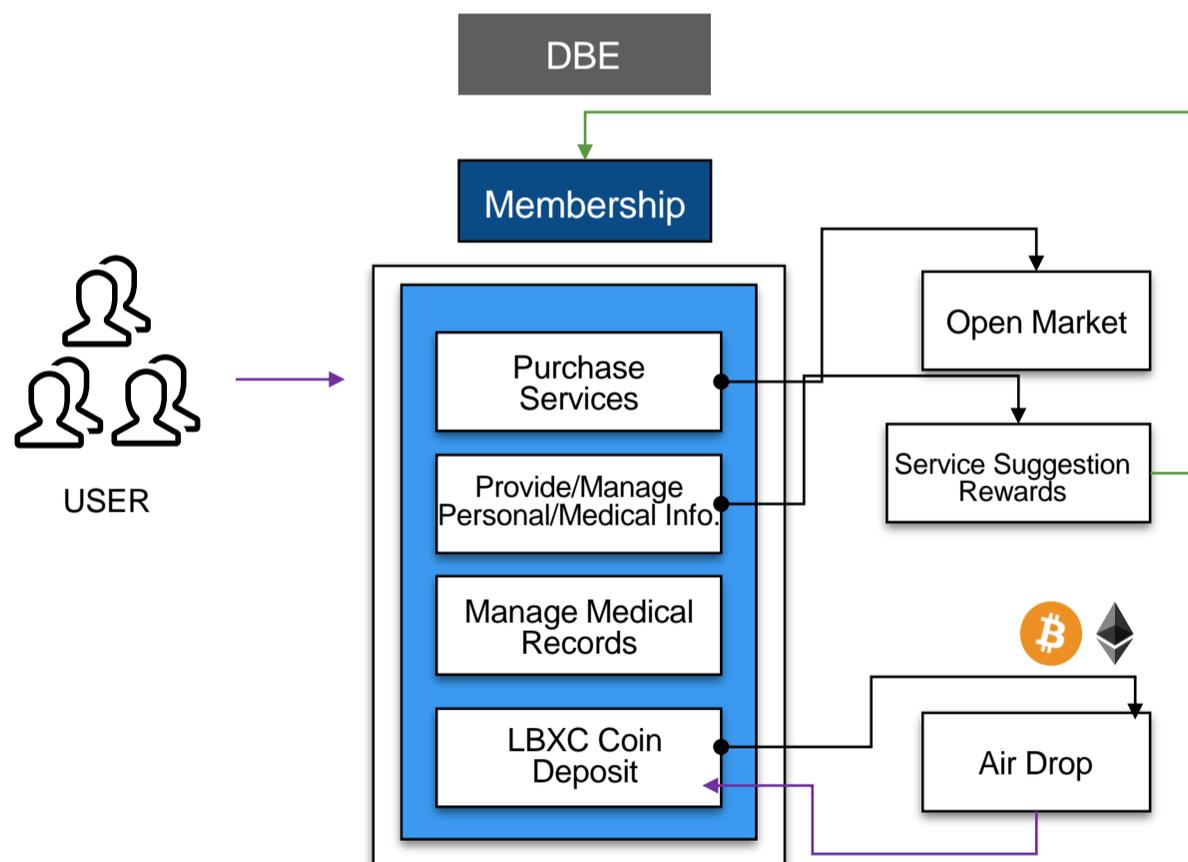


MEMBERSHIP & REWARDS

DBE is a open-platform and a membership, for private medical data and service purchase, can be issued free of charge. All personal medical data is protected by high level block chain security. Clients will be prompted to publish their partial data that will be handed over to the partner service providers. Our partners then would contact the clients with the suggestions for medical services they need with the best conditions for both.

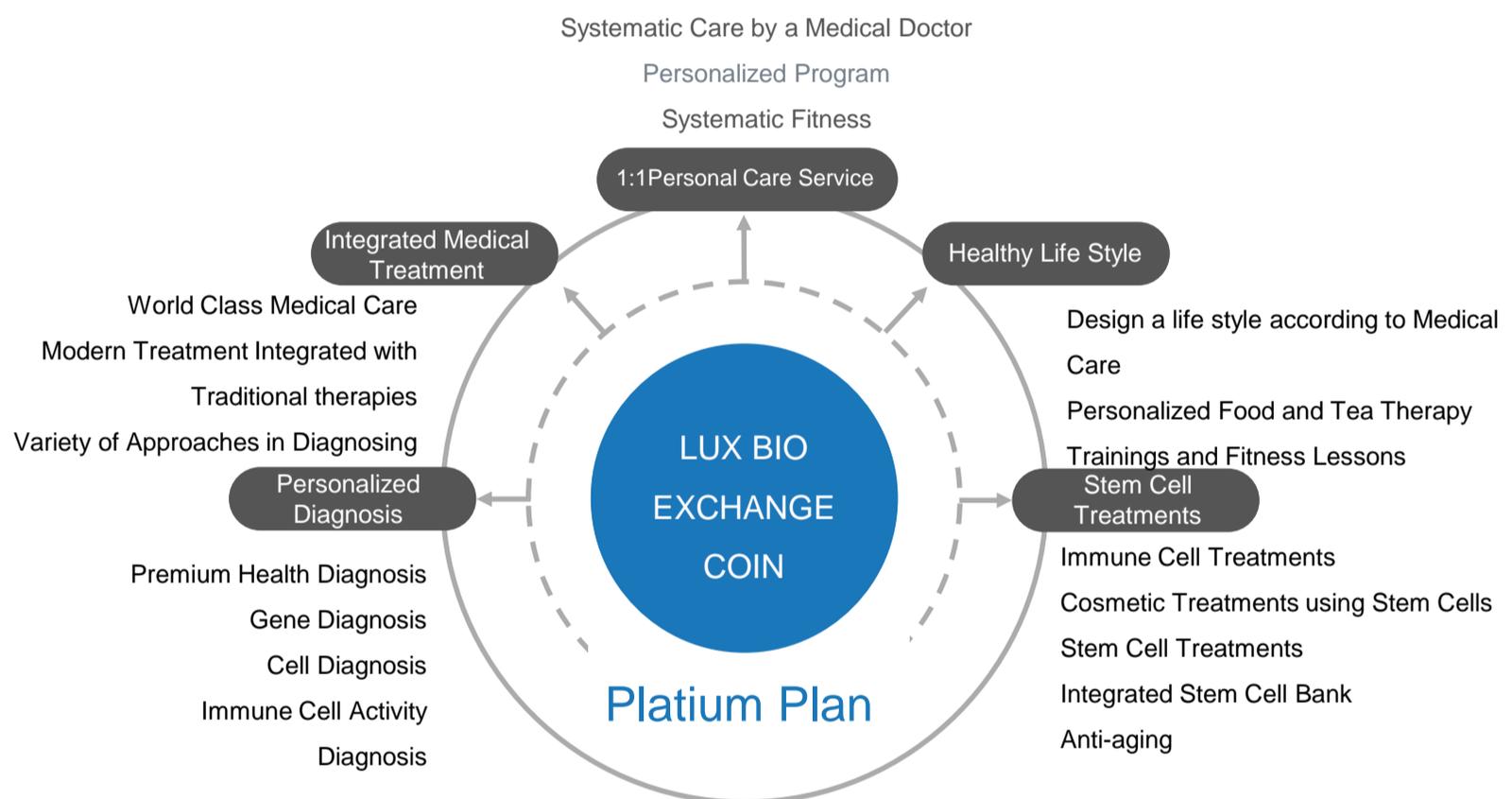
As soon as a transaction is made, the client will be guided to go through medical checkups at a global medical center. These data will also be automatically and securely managed by the block system, so they can safely be used for the best suggestions. When the client chooses which service to go for, the procedures will be handed over to the partners.

The medical data DBE is currently handling are as follow: Genetic information, NK level, biological age, potential diseases, immunity, anti-aging level. We understand the importance of updating the system alongside with emergence of new technologies so the quality of services for our clients advances accordingly.



LBXC PLATINUM PLAN

With the purchase of LBXC Platinum Plan, our primary service, clients are to be eligible for LBXC's stem cell treatments: preserving the cells at safe storages and information of the fitted treatments just for them. Stem cells are to be preserved through the client's life-time, and the client will be eligible for admission in facility near Cell Bank in Jeju on the top of wait list to receive stem cell treatment.



OPEN MARKET SERVICES

You can purchase various Anti-aging/Healthcare services in DBE open market with LBXC and all purchased items will be managed in DBE blockchain ecosystem.

As DBE open market has a great potential to be expanded to global-level, we will always strive to maintain our effective business partnership with partner companies.

Available Open market services are as follow:

Open Market Services

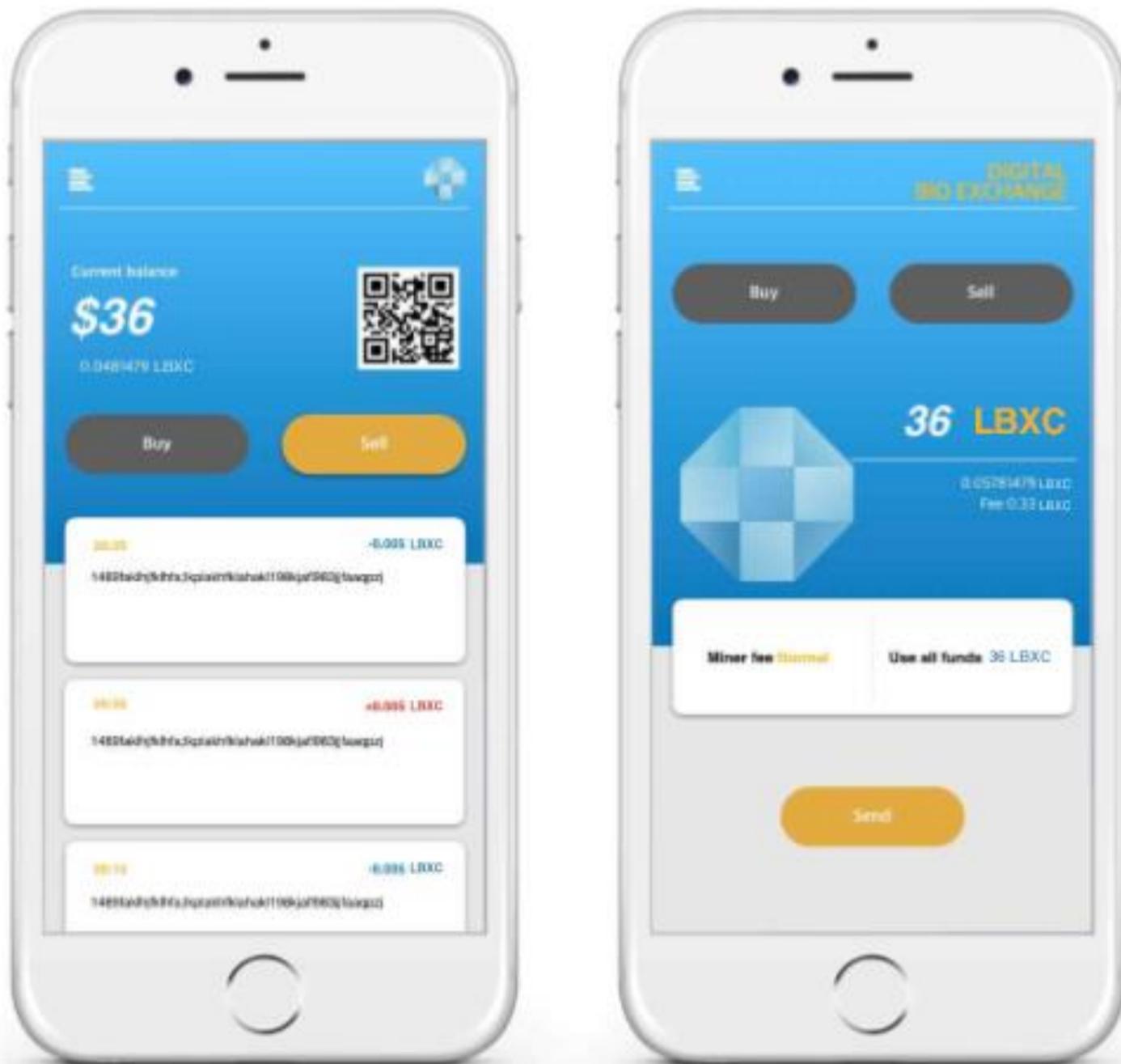
Anti-aging

Health Care

Botox	Overall Health Consulting
Laser Treatment	Genetic Testing
Facial Contour Injection	Infirmarian Service
Thread Lifting	Nursing Home Service
Lifting Laser	Nutritional Diet
Fillers	Vaccination
DNA Injection	
Collagen Injection	
MTS Treatment	
Air Jet Lifting	

LBXC WALLET

LBXC holders can easily access DBE via LBXC Wallet to purchase membership services. Users also can find service history. Furthermore, if a user keeps her LBXC in DBE Wallet, she is eligible for airdrop of some of DBE's profits.



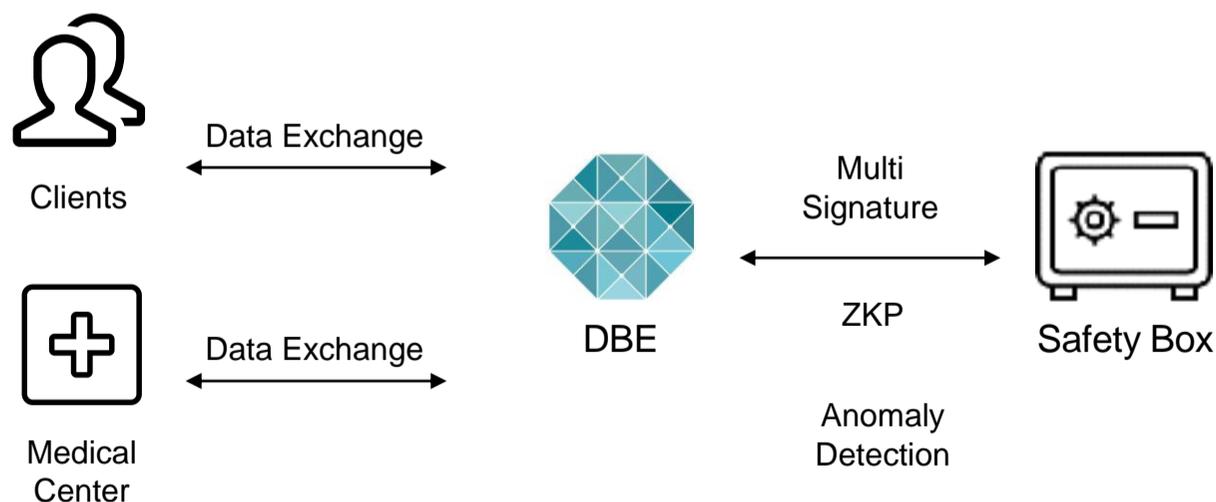
SECURITY & PRIVACY PROTECTION

We understand data can be hacked at any moment without warning and that is why the DBE was designed to run on the highest security level from the very early stage. DBE system will be designed to respond to all known security threats while preparing for the worst-case scenarios at all time.

In order to protect important privacy and assets of our clients, we are planning to introduce SafetyBox system, a management system based on off-chain and M-of-N Multisignature, to safely manage them. Partial data will be classified by significance, then separately managed by both DBE and zero-knowledge proof. An access to the entire data will be limited with Multisignature process. All anti-breach technologies stipulated above are impenetrable without an approval of the client.

However, we will not take any chances to compromise experience in the name of pursuing perfection in security, known that security is a part of the user experience. To deliver stable and secure services, we will utilize machine-learning methods to run anomaly detection for the highest level of security experience.

How Private Data are Exchanged





Yong-moon Kim
CHAIRMAN



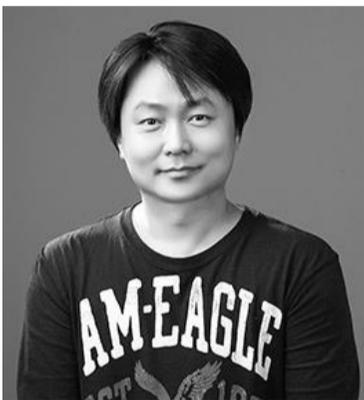
kyung-sun Ryu
DGE CEO



Dong-il Eom
CTO



JA.E
CPO



Kwang-soo Kim
Lead Blockchain Developer



Sung-hee Noh
Crypto Planning Team
Manager



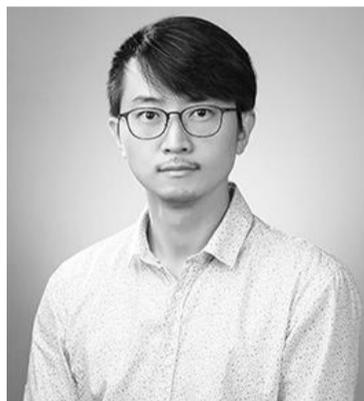
Sung-Hwan Kim
Development Team Manager



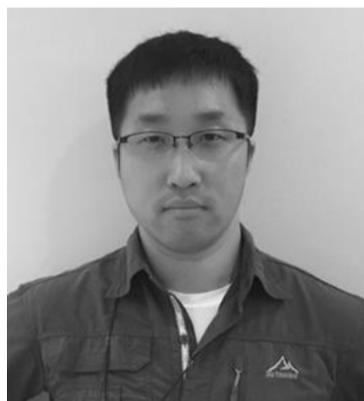
Hyong-Seok Kim
Managing Director



Young-jin Lee
Web Designer Team Manager



Yun-tae Roh
Development team deputy
general manager



Eung-seok Wang
Security Manager



Sang-yoon Lee
Front End Mobile



Yeong-sim Cha
Web Publisher



Choi Seong Uk (ZEUS)
Project Manager



Ham Yong Gil (ZEUS)
Development Team Manager



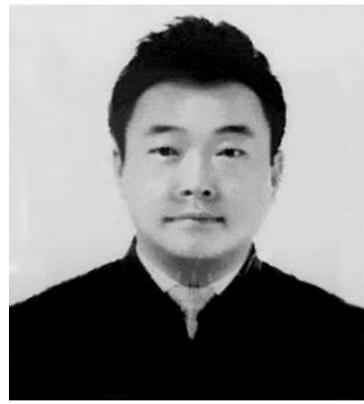
Kim Phil Jong (ZEUS)
Frontend Developer



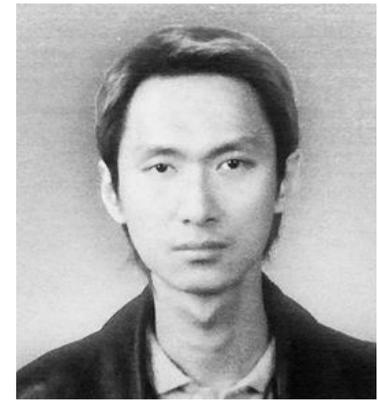
Choi Nam Kyu (ZEUS)
Engineer



Park Jong Hee(ZEUS)
Engineer



Seo Woo Lee
Payment Managing Director



Kim Kyoung min
Payment Managing Director



Hyun-ki Pyo
Game Planner



Sang-il Han
Engineer



Kun-sik Song
Web Programmer



Jae-guek Hong
Web Designer & Character Designer



Ban-seok Jung
Crypto Planning Team
Assistant Manager



Ahreum Han
Crypto Planning Team
Assistant Manager



Xiao-wei Zhang
Chinese Translator



Xian Li
Japanese Translator



Dae-young Lee
Client Programmer & App
Developer

Partners

Partners

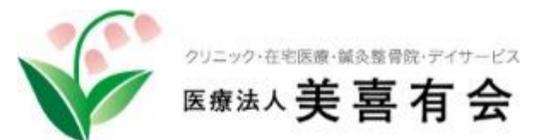


Partners

Partners



医療法人サンセール会





Jeju Center construction has started since October 2018, and will be completed in August 2019.

Japan Stem Cell Center will start its construction in October 2018, and will open in February 2019.

We are currently discussing with other centers that are registered as our affiliates to begin treatment service from December 2018.

Token Specs and Distribution

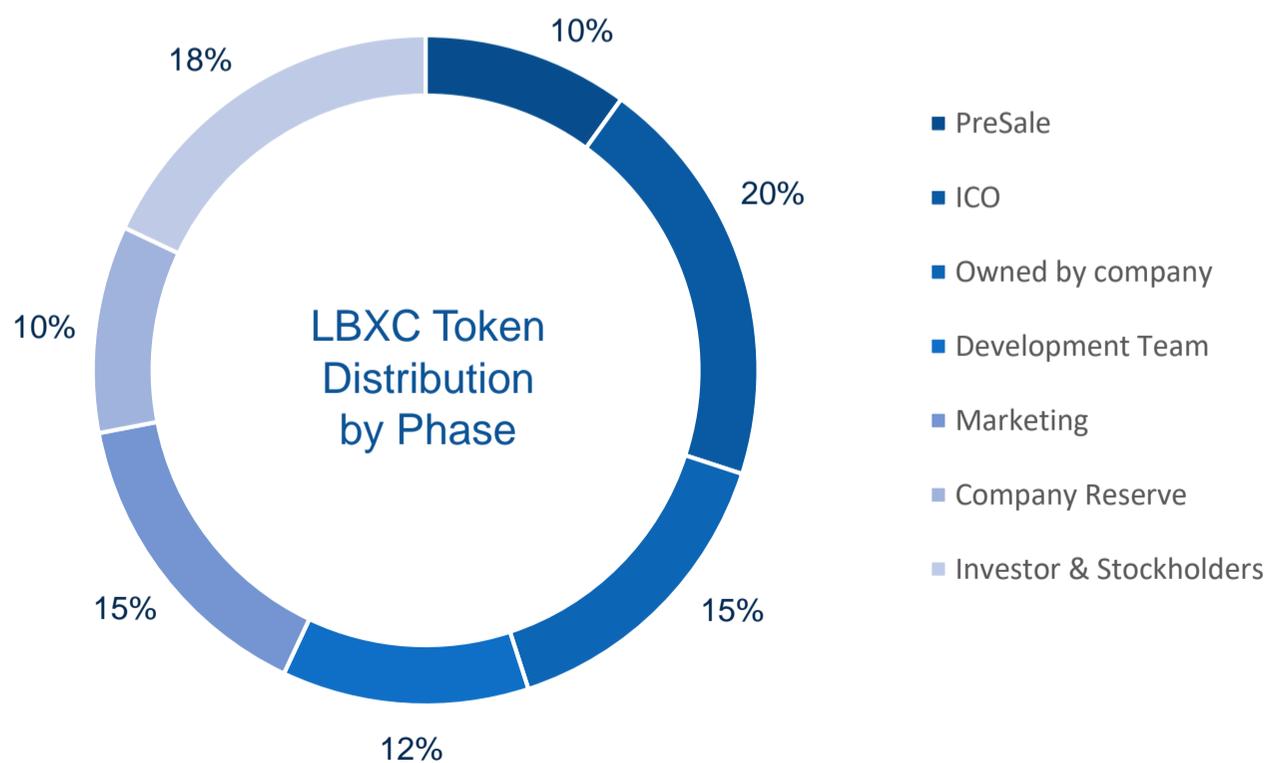
LBXC Token Specifications

Users can trade LBXC Tokens via cryptocurrency exchanges. Purchased LBXC is usable in DBE platform and also tradable and transferrable to other users.

Issuance term

Total issuance	10,000,000,000
ICO issuance	3,000,000,000
The number of tokens to sell	3,000,000,000
Hard cap	ETH 300,000
Soft cap	ETH 30,000
Project protocol	ERC 20
Currency Accepted	ETH

LBXC Token Distribution Scheme



[1] KOSIS, “2016 Life Expectancy”, Dec 2017,

<http://kosis.kr/publication/publicationThema.do?pubcode=LL>

[2] GLOBAL STEM CELL ASSAY MARKET FORECAST 2017-2025, 2017

<https://www.inkwoodresearch.com/reports/global-stem-cell-assay-market-forecast/>

[3] Bio Spectator, “Court Rules Stem Cell Storage and Cultivation is Medical Practice”, July, 2016

http://www.biospectator.com/view/news_view.php?varAtclId=1355

[4] Boan News, “Biggest Privacy Leakage in Singapore History,” July 2018

<https://www.boannews.com/media/view.asp?idx=71582>