



Part of the **Future Health Group**



A GUIDE TO STEM CELLS BANKING



A **healthy** future is in your hands





TABLE OF CONTENT

WELCOME TO FUTURE HEALTH GCC	4
THE WORLD'S MOST ACCREDITED STEM CELL BANK	5
ACCREDITATION AND LICENSES	6
OUR SERVICES	8
EXO-FUTURE	10
WHAT ARE STEM CELLS?	11
UNIQUE BENEFITS AND GUARANTEES	12
WHY CHOOSE FUTURE HEALTH GCC	13
THERAPIES & TRIALS	14
SUCCESS STORY	21
PROTECTING CHILD'S CORD BLOOD SAMPLE	22
OUR PACKAGES	23

WELCOME TO FUTURE HEALTH

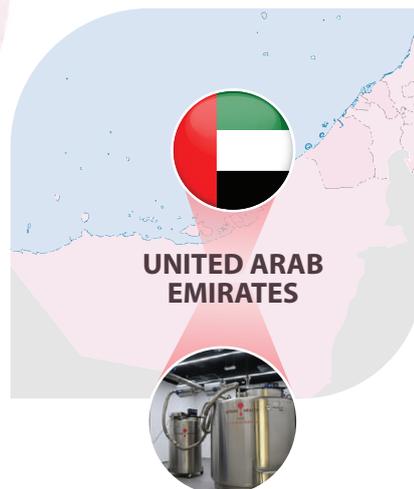
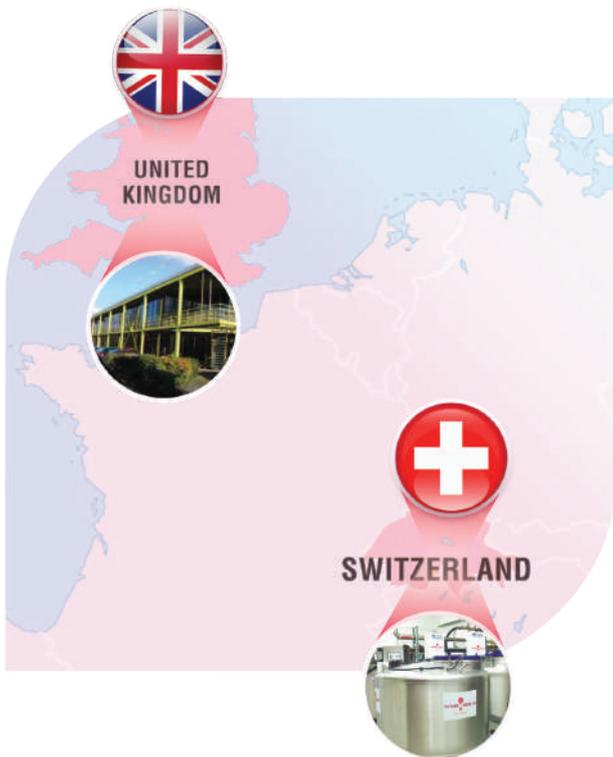
Founded in 2002, we provide families around the world with stem cell banking and diagnostic services including:

- Umbilical cord blood and tissue storage
- Placenta storage
- Amnion storage
- Wharton's jelly storage
- Ready to use MSCs
- MSC-Derived Exosomes

Our Facilities

We are proud to own our laboratory, operating 6 separate storage facilities across 3 geographical locations. With fully accredited facilities in UAE, UK and Switzerland, we ensure each and every sample is stored to our expert standards.

Having our own storage facilities means parents are safe in the knowledge their precious cells are always safe in our care.



FUTURE HEALTH

THE WORLD'S MOST ACCREDITED STEM CELL BANK

Future Health Biobank is the world's most accredited stem cell bank. Regarded by its peers as the most innovative, highly considered centre of excellence for quality and service within the stem cell banking industry. Processes in UAE, UK and Swiss laboratories are licensed and accredited to the highest level and operate to GMP standards.



AABB (formerly American Association of Blood Banks) accreditation

Number: 138834
Date received: July 2016



Human Tissue Authority

License Number: 22503
Date received: April 2006



GMP certification delivered by Swissmedic

Number: 500028
Date received: June 2013



Swissmedic License

Number: 500028
Date received: June 2013



GMP (Good Manufacturing Practices)

Number: QCAS-FHG-24-051581714
Date received: December 2024



ISO:9001 Quality Management

Number: 29, 31, 34, 38
Date received: July 2024



AABB (formerly American Association of Blood Banks) accreditation

Number: 1940574
Date received: November 2025



Medicines and Healthcare products Regulatory Agency Blood Establishment Authorisation

Number: 21314
Date received: November 2004



Federal Office Public Health Authorization

Number: BS2013-nTxZ093-N0-V00
Date received: December 2013



Prestigious Queen's Award for Enterprise and International Trade

Number: n/a
Date received: April 2010



ISO:9001 Quality Management

Number: FS554566
Date received: January 2010



Dubai Health Authority

Stem cells processing license
Number: 7381206



ISO:15189:2022 Medical laboratories

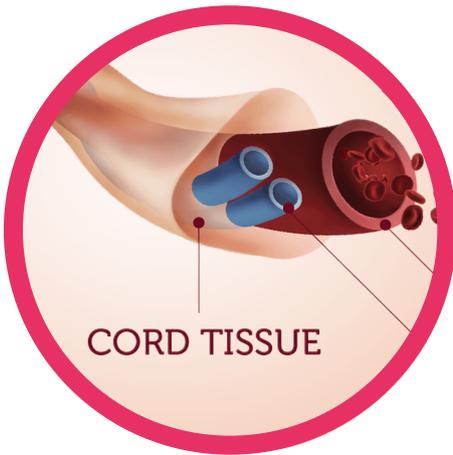
Number: QCAS-FHG-24-051581646
Date received: October 2024

Future Health Biobank began in 2002 and received its Human Tissue Authority (HTA) license in 2005. Over the past 22 years, we have become the largest and most advanced stem cell bank, leading innovations in stem cell banking. Future Health Biobank is the world's most accredited bank, solely owning three storage facilities in the UK, Switzerland, and Dubai. We have collected samples globally and have a presence in over 50 countries, storing over 1,000,000 samples. More than 1,000 samples have been released for therapies worldwide, including in the UK, Europe, the Middle East, and the USA. FUTURE HEALTH GCC, headquartered in Dubai Healthcare City, is our newest branch. Our state-of-the-art lab includes multi EU-GMP graded sample safety. As the largest stem cell laboratory and cryogenic storage facility in the Middle East, FUTURE HEALTH GCC serves the GCC region and beyond, providing exceptional services to ensure peace of mind for parents storing precious samples to protect their loved ones' future health.

OUR SERVICES

Cord Blood

Precious and powerful sources of potentially life-saving which can be used both for the baby and close relatives of the family. Hematopoietic Stem Cells in cord blood can be collected at both vaginal and cesarean deliveries and help us to treat more than 85 diseases like blood cancers such as leukemia, hematological conditions such as anemia.



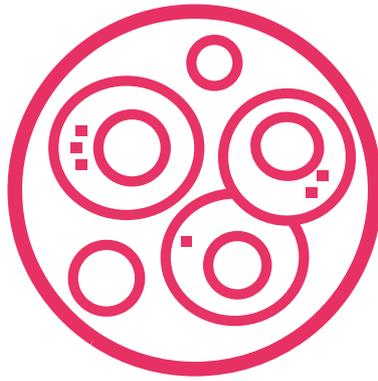
Cord Tissue

Cord tissue is known to be a rich source of Mesenchymal Stem Cells (MSCs). They are known to repair and regenerate damaged tissue cells in bone, cartilage, muscle, and fat cells, and are being studied to treat illnesses such as cerebral palsy, arthritis and type 1 diabetes in over 1,000 clinical trials.

Placenta

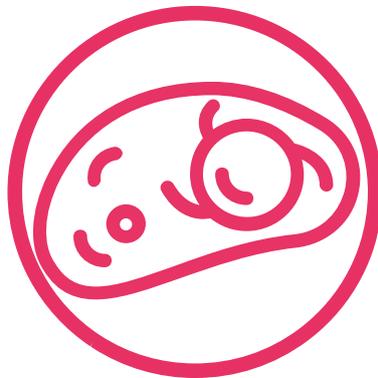
Placenta is a rich and sustainable source of Mesenchymal Stem Cells with higher proliferative rate in culture in comparison to bone marrow MSCs (BM-MSCs) and free of invasive procedures such as adipose tissue collection. More cells stored could enable more treatments. Provides access to as many regenerative therapies as possible such as: Diabetes type 2, Graft vs Host Disease, COVID-19 Pneumonia, Orthopaedic Disorder, and Ankylosing Spondylitis.





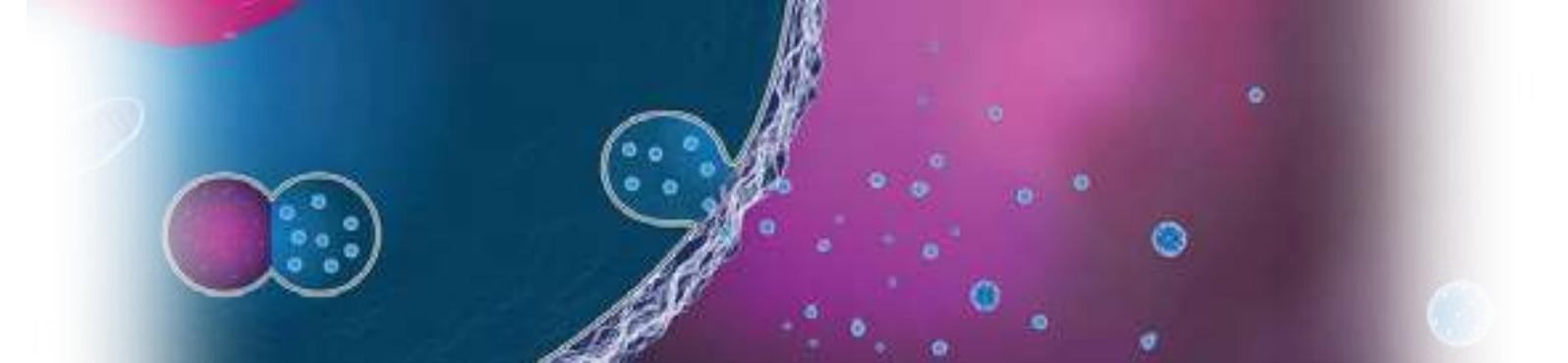
Amnion

The amniotic membrane (AM) is a unique part of the placenta and enriched source of Mesenchymal Stem Cells (MSCs), has gained significant attention in cellular therapy and regenerative medicine due to its potential therapeutic benefits such as Cornea Disorder, Skin Grafts, Spinal Cord Disorders, Liver Fibrosis, Heart Conditions and Brain Injury.



Wharton's Jelly

A thick, jelly-like substance within the cord tissue with various components including Mesenchymal Stem Cells (MSCs), growth factors to promote promising treatments for: Alzheimer's Disease, Orthopedic Disorder, Disc Disorder and Coronary Heart Disease.

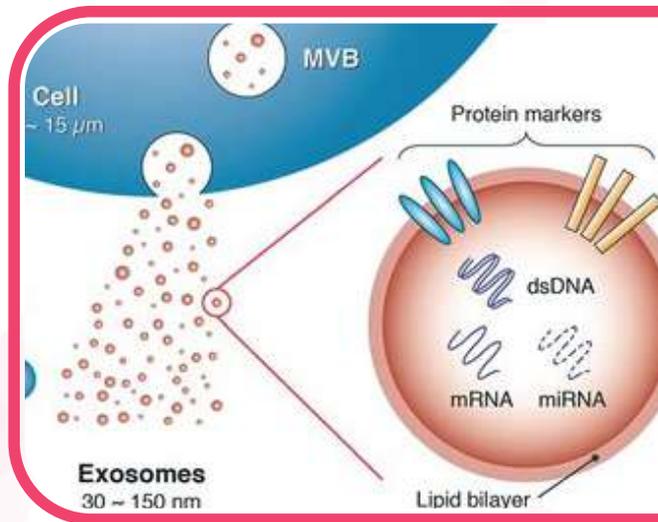


EXO-FUTURE

At FUTURE HEALTH GCC, We are proud to be officially the only facility introducing (EXOSOME) the groundbreaking therapy in stem cells innovations.

With our in-house EXO-FUTURE technologies, Our scientists have developed a top-notch isolation techniques to extract EXOSOME for you and your family.

What is EXOSOME?



Exosomes are emerging as a scientifically advanced therapy in regenerative and aesthetic medicine. Our scientists will expertly isolate exosomes of the highest quality from your stem cells. The future of science lies within these tiny, nano-sized sacs, measuring between 150-30 nm, which are rich in lipids, proteins, cytokines, and numerous growth factors. These components facilitate cell-to-cell communication and can promote processes such as proliferation, migration, and angiogenesis in surrounding tissues.

Why EXOSOME Banking?

Today, there are more than 100 clinical trials researching numerous applications for exosomes because they naturally carry growth factors, and various bioactive molecules (lipids, proteins, cytokines) to act as:

You can potentially use your baby's exosomes in the future by banking them.



Heart Failure



Lung Cancer



Rheumatoid arthritis



Alzheimer's Disease



Spinal Cord injury



Ocular Conditions

What are stem cells?

Stem cells are the "building blocks of life" characterised by their ability to differentiate. When stem cells differentiate, they help to develop, repair and maintain function within blood, muscle, bone, skin and other tissues and organs in the human body. Stem cells are used in standard, often life-saving therapies.

There are two types of stem cells that we store

- Haematopoietic stem cells (HSCs) Found in umbilical cord blood. Used in over 85 standard therapies to treat blood and inherited disorders such as anaemia, bone marrow cancers and leukaemia.
- Mesenchymal stem cells (MSCs) Found in umbilical cord tissue and dental pulp. Present in over 1,000 clinical trials into treating disorders, including spinal cord injury, cardiovascular and autoimmune diseases.



Unique Benefits and Guarantees



Largest global presence

As well as an owned laboratory, Future Health operates **6 storage facilities in 3 separate locations UAE, UK and Switzerland.**

We have a presence in more than 94 countries worldwide, making us a true global leader in stem cell banking.



Most treatment samples released

1000 samples have been released from our labs for applications across the world including in the UK, Europe, Middle East and USA. This is more than any other UK stem cell bank.



99% recovery rate pre-freeze

Our state of the art processing technology enables cell recovery rates of up to 99%, leaving the most stem cells possible in your sample and giving your child the best chance of successful treatment in the future. Final cord blood and cord tissue samples are stored in multiple compartments and locations, ensuring maximum safety and security measurement's for your samples.



Cryobag packaging

In order to prevent any cross-contamination between samples, each cryobag is placed within a protective overwrap before being stored in different freezer tanks over 8-12 compartments to secure your baby's stem cells. Cord blood samples are stored within metal canisters, with metallic bar-coded identification labels, for enhanced mechanical protection and efficient heat transfer.



Interest-free payment plan

Having a baby is an expensive time. We help to lighten the load by offering interest-free payment plans over 6 or 12 months.



Insolvency protection

To give full peace of mind, we have full insolvency protection to ensure you're financially protected for your full contract term, in the event of any natural disaster or insolvency.



Refund guaranteed

You will only be charged for successful samples. should any of your samples fail, you will not be charged for the processing or storage of that sample.



No hidden fees

We let you know the costs upfront, meaning no surprise charges or hidden costs after you've signed up.



High recovery rate as standard

You won't pay any additional charges to take advantage of our high recovery rate.



24/7 customer care

Future Health Biobank are available day and night 365 days a year to answer any of your questions or in an emergency, ensuring you are the highest priority.



Additional services

We also offer our non-invasive prenatal test (Vision) and new-born screening (Outlook), to check your baby's likelihood of developing a range of genetic conditions. Both are highly accurate and straight-forward.

Why choose FUTURE HEALTH GCC?



One of the world's most accredited stem cell banks



1,000,000 stem cell samples processed and stored



Multiple GMP graded cleanrooms



Multiple storage facilities in 3 geographical locations



1000 samples released for treatment



Fully owned Laboratories



The largest dental stem cells bank in the world



The only facility providing Exosome banking (exo-future)



Fully designed Nano-cool collection kit



Unique service cell culture



Largest cryogenic facility



In reference to parents guide for cord blood website, **FUTURE HEALTH BIOBANK** has a top presence in more than 50 countries worldwide, making us a true global leader in stem cell banking.



Our state of the art processing technology enables cell recovery rates of up to %99, leaving the most stem cells possible in your sample and giving your child the best chance of successful treatment in the future. Final cord blood and cord tissue samples are stored in multiple compartments and locations, ensuring maximum safety and security measurement's for your



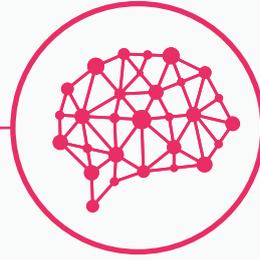
Cryobag packaging In order to prevent any cross-contamination between samples, each cryobag is placed within a protective overwrap before being stored in different freezer tanks over 8-6 compartments to secure your baby's stem cells. Cord blood samples are stored within metal canisters, with metallic bar-coded identification labels, for enhanced mechanical protection and efficient heat transfer.



Additional services

We also offer add on services of Exosome Banking, Cord tissue additional segments as well as Cell Culturing.

THERAPIES & TRIALS



- 01 Standard Therapies - Cord Blood
- 02 Treatment and Clinical Trials with Blood - Forming Stem Cells
- 03 Gene Therapy for Inherited Disorders Using Blood - Forming Stem Cells
- 04 Treatment and Clinical Trials with Cord Tissue Stem Cells
- 05 Treatment and Clinical Trials with Placental Stem Cells
- 06 Treatment and Clinical Trials with Amnion Stem Cells
- 07 Treatment and Clinical Trials with Exosome Cord Blood

01 Standard Therapies - Cord Blood

Anaemias

- Aplastic Anaemia
- Congenital Dyserythropoietic Anaemia
- Fanconi Anaemia
- Paroxysmal Nocturnal Haemoglobinuria (PNH)

Leukaemia

Acute Leukaemia

- Acute Lymphoblastic Leukaemia (ALL)
- Acute Myelogenous Leukaemia (AML)
- Acute Biphenotypic Leukaemia
- Acute Undifferentiated Leukaemia

Chronic Leukaemia

- Chronic Myelogenous Leukaemia (CML)
- Chronic Lymphocytic Leukaemia (CLL)
- Juvenile Chronic Myelogenous Leukaemia (JCML)
- Juvenile Myelomonocytic Leukaemia (JMML)

Myelodysplastic Syndromes (pre-leukaemia)

- Refractory Anemia (RA)
- Refractory Anemia with Ringed Sideroblasts (RARS)
- Refractory Anemia with Excess Blasts (RAEB)
- Refractory Anemia with Excess Blasts in Transformation (RAEB-T)
- Chronic Myelomonocytic Leukemia (CMML)

Lymphomas

- Hodgkin's Lymphoma
- Non-Hodgkin's Lymphoma (Burkitt's Lymphoma)

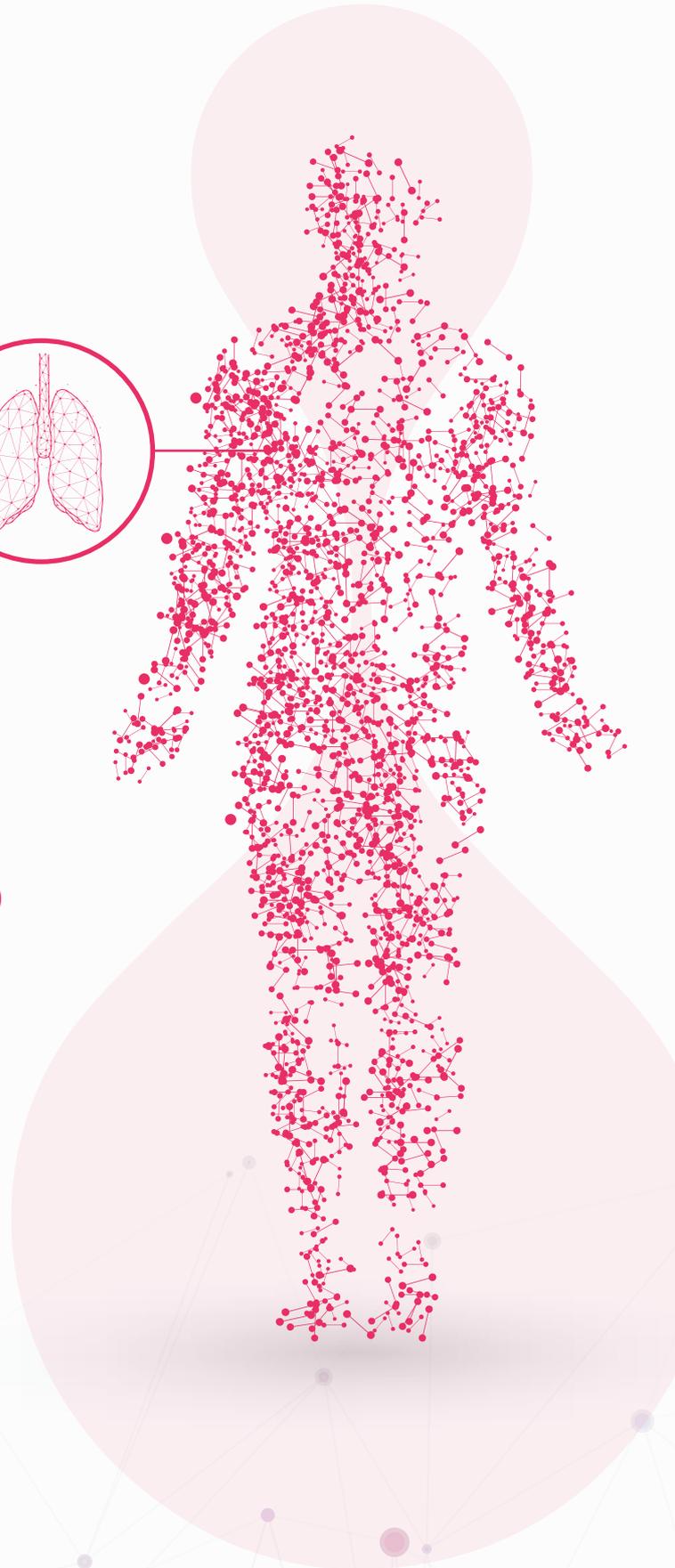
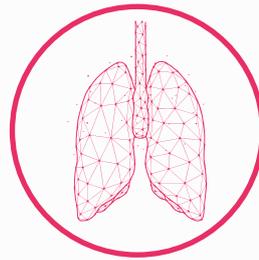
Bone Marrow Cancers (Plasma Cell Disorders)

- Multiple Myeloma
- Plasma Cell Leukaemia
- Waldenstrom's Macroglobulinemia

Solid Tumors

(originating outside the blood and immune system)

- Neuroblastoma
- Medulloblastoma
- Retinoblastoma



Myeloproliferative Disorders

- Acute Myelofibrosis
- Agnogenic Myeloid Metaplasia (**Myelofibrosis**)
- Polycythemia Vera
- Essential Thrombocythemia

Phagocyte Disorders

- Chediak-Higashi Syndrome
- Chronic Granulomatous Disease
- Neutrophil Actin Deficiency
- Reticular Dysgenesis

Inherited Red Cell Abnormalities

- Beta Thalassemia Major
- Diamond-Blackfan Anemia
- Pure Red Cell Aplasia
- Sickle Cell Disease

Inherited Platelet Abnormalities

- Amegakaryocytosis /
Congenital Thrombocytopenia
- Glanzmann Thrombasthenia

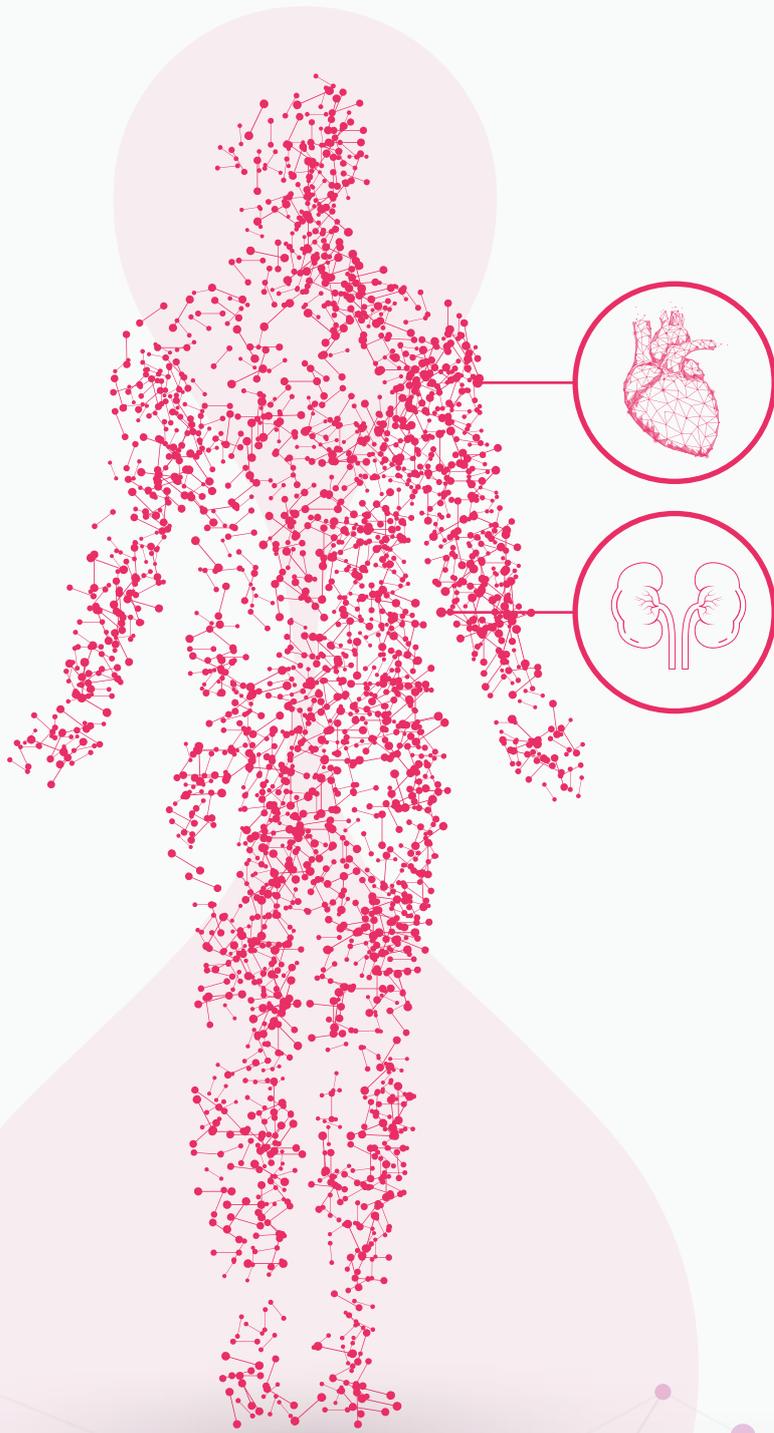
Inherited Metabolic Disorders

Mucopolysaccharidoses (MPS) Storage Diseases

- Mucopolysaccharidoses (**MPS**)
- Hurler's Syndrome (**MPS-IH**)
- Scheie Syndrome (**MPS-IS**)
- Hunter's Syndrome (**MPS-II**)
- Sanfilippo Syndrome (**MPS-III**)
- Morquio Syndrome (**MPS-IV**)
- Maroteaux-Lamy Syndrome (**MPS-VI**)
- Sly Syndrome, Beta-Glucuronidase
Deficiency (**MPS-VII**)
- Mucopolipidosis II (**I-cell Disease**)

Leukodystrophy Disorders

- Adrenoleukodystrophy
(**ALD**) / Adrenomyeloneuropathy (**AMN**)
- Krabbe Disease (**Globoid Cell Leukodystrophy**)
- Metachromatic Leukodystrophy
- Pelizaeus-Merzbacher Disease



Lysosomal Storage Diseases

- Niemann-Pick Disease
- Sandhoff Disease
- Wolman Disease

Other

- Lesch-Nyhan Syndrome
- Osteopetrosis

Inherited Immune System Disorders

Severe Combined Immunodeficiency (SCID)

- SCID with Adenosine Deaminase Deficiency (**ADA-SCID**)
- SCID which is X-linked
- SCID with absence of T and B Cells
- SCID with absence of T Cells, Normal B Cells
- Omenn Syndrome

Neutropenias

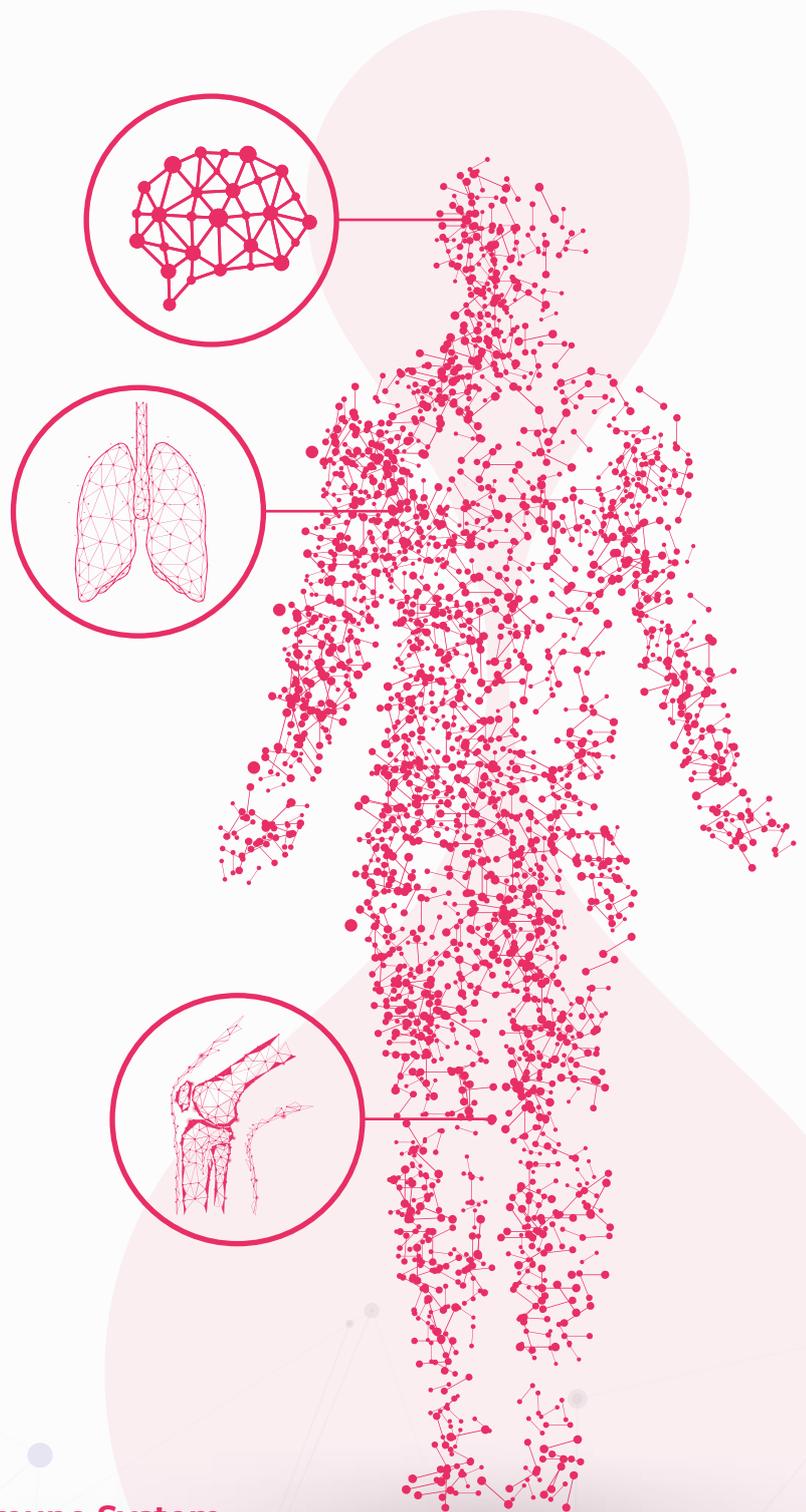
- Kostmann Syndrome
- Myelokathexis

Other

- Ataxia-Telangiectasia
- Bare Lymphocyte Syndrome
- Common Variable Immunodeficiency
- DiGeorge Syndrome
- Hemophagocytic Lymphohistiocytosis
- Leukocyte Adhesion Deficiency
- Lymphoproliferative Disorders (**LPD**)
- Lymphoproliferative Disorder, X-linked
- Wiskott-Aldrich Syndrome

Inherited Disorders effecting the Immune System and Other Organs

- Cartilage-Hair Hypoplasia
- Gunther's Disease (**Erythropoietic Porphyria**)
- Hermansky-Pudlak Syndrome
- Pearson's Syndrome
- Shwachman-Diamond Syndrome
- Systemic Mastocytosis



Treatment and Clinical Trials with Blood - Forming Stem Cells

Neurologic Disorder

- Autism
- Cerebral Palsy
- Global Developmental Delay
- Hearing Loss (acquired sensorineural)
- Hypoxic Ischemic Encephalopathy (HIE)
- Intraventricular Haemorrhage
- Parkinson's Disease
- Spinal Cord Injury
- Traumatic Brain Injury

Autoimmune Disorders

- Alopecia Areata
- Amyotrophic Lateral Sclerosis (ALS)
- Crohn's Disease
- Diabetes Type 1
- Diabetes, Type 2
- Exzema (Atopic Dermatitis)
- Graft-versus-Host-Disease (GVHD)
- Kidney Plus Stem Cell Transplant
- Lupus
- Multiple Sclerosis
- Rheumatoid Arthritis
- Scleroderma
- Systemic Sclerosis

Cardiovascular

Congenital Defects

- Acute Myocardial Infarction (Heart Attack)
- Hypoplastic Left Heart Syndrome (HLHS) Grow Vascular Graft
- Support for Misc. Open Heart Surgery

Ischemia

- Compartment Syndrome (Battlefield Trauma)
- Critical Limb Ischemia (CLI)
- Ischemic Heart Disease
- Ischemic Stroke

Cardiac Repair

- Cardiomyopathy
- Myocardial Infarction
- Peripheral Arterial Disease (PAD)



03 Gene Therapy for Inherited Disorders Using Blood - Forming Stem Cells

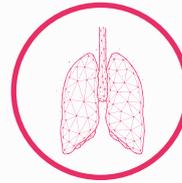
- Adrenoleukodystrophy
- Chronic Granulomatous Disease (X-linked)
- Eye Diseases
- Fanconi Anemia
- Metachromatic Leukodystrophy
- Severe Combined Immunodeficiency
- Wiskott-Aldrich Syndrome
- Sickle Cell
- Thalassemia
- HIV
- Liver Cirrhosis

Orthopedic

- Alveolar Cleft Palate Repair
- Ankylosing Spondylitis
- Knee Cartilage Repair
- Osteoarthritis
- Osteochondral Lesion

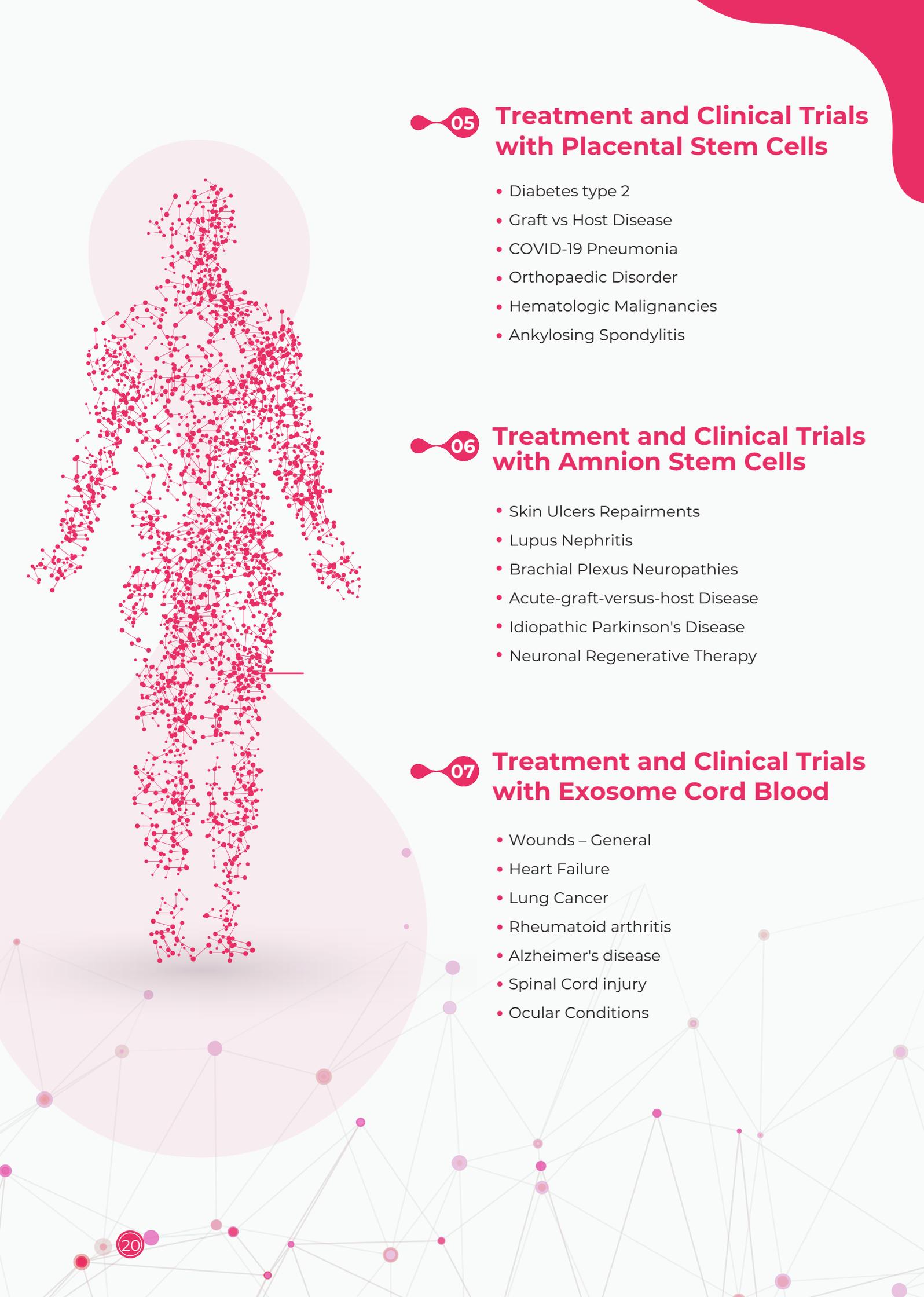
Miscellaneous

- Aging Frailty
- AIDS
- Bronchopulmonary Dysplasia (BPD)
- Epidermolysis Bullosa
- Duchenne Muscular Dystrophy
- Hereditary Ataxia
- Lysosomal Storage Diseases
- Metabolic Syndrome
- Spinal Muscular Atrophy
- Tay-Sachs Disease



04 Treatment and Clinical Trials with Cord Tissue Stem Cells

- Acute Respiratory Distress Syndrome (ARDS)
- Alzheimer's Disease
- Aplastic Anemia
- Cartilage Repair
- Cerebral Palsy
- Connective Tissue Diseases
- Diabetic Foot Ulcer
- Diabetic Peripheral Neuropathy
- Diabetes Type 2
- Erectile Dysfunction
- Fistula
- Global Development Delay
- Heart Failure
- Intraventricular Haemorrhage
- Kidney Failure
- Lung Injury
- Lupus
- Liver Failure
- Liver Cirrhosis
- Muscular Dystrophy
- Multiple Sclerosis
- Myocardial Infarction
- Non-Union Fractures
- Osteoarthritis
- Ovarian failure
- Parkinson's disease
- Peripheral Arterial Disease (PAD)
- Peyronie's Disease
- Premature Ovarian Failure
- Psoriasis
- Retinitis pigmentosa
- Rheumatoid Arthritis
- Sepsis
- Spinal Cord Injury
- Spinal Fusion Surgery
- Stroke
- Traumatic Brain Injury
- Traumatic Optic Neuropathy
- Ulcerative Colitis
- Uterine Scars



05

Treatment and Clinical Trials with Placental Stem Cells

- Diabetes type 2
- Graft vs Host Disease
- COVID-19 Pneumonia
- Orthopaedic Disorder
- Hematologic Malignancies
- Ankylosing Spondylitis

06

Treatment and Clinical Trials with Amnion Stem Cells

- Skin Ulcers Repairments
- Lupus Nephritis
- Brachial Plexus Neuropathies
- Acute-graft-versus-host Disease
- Idiopathic Parkinson's Disease
- Neuronal Regenerative Therapy

07

Treatment and Clinical Trials with Exosome Cord Blood

- Wounds – General
- Heart Failure
- Lung Cancer
- Rheumatoid arthritis
- Alzheimer's disease
- Spinal Cord injury
- Ocular Conditions

We are proud to have successfully released over 300 samples since 2009 to the middle east UK, USA, and Europe samples collected from 94 different countries worldwide.



LAITH ABU AREESH

THE FIRST AND ONLY STEM CELL BANK TO SUCCESSFULLY RELEASE A SAMPLE FOR TREATMENT IN THE MIDDLE EAST

In 2010 Laith Abu Areesh suffered from Fanconi's Anemia, a condition that affects the bone marrow's ability to make healthy blood cells.

Fortunately Laith's stem cells were a perfect match, and a successful transplant took place.



**Scan the QR code
for the full story**

PROTECTING YOUR CHILD'S CORD BLOOD SAMPLE, NO MATTER WHAT THE FUTURE HOLDS



Ensuring your sample is secure, always

The future can often be uncertain, however, we would like you to know that at Future Health we've made careful provisions to ensure that no matter what the coming years may bring for our company, you can be sure that the continued security of your child's cord blood sample will always be protected.



An insurance for the future

While it's highly unlikely that Future Health will ever encounter financial problems, we value the importance of having a contingency plan. This is why we have put measures in place to create a protection scheme that will guarantee the long term storage of your child's sample, even if at some point Future Health ceases to exist.



The Future Health Guarantee Company

As a security against Future Health ever becoming insolvent, we have established 'The Future Health Guarantee Company' (FHGC) as a financially independent part of our organization that will enable every sample we store to remain completely protected. To ensure this, when we store your child's sample, we simply transfer a portion of your storage fee to the FHGC. This creates a secure fund, which if needed, can be used in the future to support the continued storage of your child's sample at another UK based cryogenic storage facility with whom we have a contract. This facility is fully licensed by the Human Tissue Authority and they would take your sample and fulfill the remaining term of your contract.

“PEACE OF MIND FOR THE FUTURE OF YOUR CHILD'S CORD BLOOD SAMPLE”



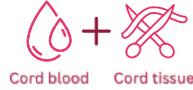
OUR PACKAGES

Future Basic package

Cord blood & Cord tissue

Future Basic

This package includes preservation and storage of Cord blood & Cord tissue.



Cord blood Cord tissue

25, 30, or 60 Years of Storage

Future Premium

This premium package includes preservation and storage of Cord Blood, Cord Tissue and Placenta.



Cord blood Cord tissue Placenta

25, 30, or 60 Years of Storage

Future Platinum package

Cord blood, Cord tissue & Placenta

Future Premium package

Cord blood, Cord tissue, Placenta & Amnion

Future Platinum

This platinum package includes preservation and storage of Cord blood, Cord tissue, Placenta and Amnion.



Cord blood Cord tissue Placenta Amnion

25, 30, or 60 Years of Storage

Future Royal

This Royal package includes preservation and storage of Cord blood, Cord tissue, Placenta, Amnion and Wharton's jelly.



Cord blood Cord tissue Placenta Amnion Wharton's jelly

25, 30, or 60 Years of Storage

Future Royal package

Cord blood, Cord tissue, Placenta, Amnion & Wharton's Jelly

Future Diamond package

Future Royal Package, Ready to use MSCs, & MSC-Derived Exosomes

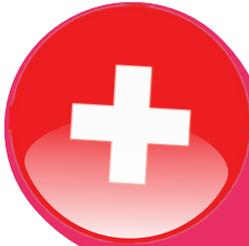
Future Diamond

This Future Diamond includes preservation and storage of Cord blood, Cord tissue, Placenta, Amnion, Wharton's jelly, Ready to use MSCs, and MSC-Derived Exosomes. 30 years storage.



Cord blood Cord tissue Placenta Amnion Wharton's jelly Ready to use MSCs MSC-Derived Exosomes

30 Years of Storage



Future Health GCC

Dubai Healthcare City,
Building 64-Alrazi Medical Complex,
Block F, Ground Floor 8R3-9R8
P.O Box 336509, Dubai, UAE

800-STEMCELL
+971 54 404 8100
+971 4 564 6292

infoUAE@fhbb.com
www.futurehealthgcc.com



Part of the **Future Health Group**

A healthy future is in your hands