

American CryoStem Corporation Antigua Bio Tourism

2014

Forward

American CryoStem Corporation has developed a turnkey platform for the creation of a stem cell processing and storage facility to quickly create and support the introduction of Bio-Tourism into Antigua with local partners and stakeholders. Working with all stakeholders including the appropriate representatives and departments of the Antiguan government will ensure proper development and oversight of the industry and provide appropriate financial incentives to each stakeholder.

The proposed state-of-art laboratory facility operating validated processing protocols is the necessary prerequisite for a current tourist destination to create the facilities for offering adipose (fat) tissue derived stem cell applications, integrated wellness programs and state of the art cosmetic surgery tissue grafting and tissue transfer procedures.

Regenerative Anti-Aging Industry

Global Anti-Aging Market Size = **\$300+ Billion by 2015**

One of the World Health Organization's "ten global health targets for the 21st century" is "to achieve an increase in life expectancy and in the quality of life for all."

“It is predicted that, by the year 2029, advancements in stem cell research, therapeutic cloning, and nanotechnology will be harnessed into applications that improve and extend the human life span. In this manner, Anti-Aging Medicine is anticipated to have a profound and permanent impact on the future of preventative health care.”

- The American Academy of Anti-Aging Medicine

Development

Developing the foundation to become a leader in **Integrated Wellness**

1. Establish Local Entity

Clinical Laboratory

2. Treatment Facility

The initial focus will be to assist in the coordination of a new local entity with local stakeholders responsible to construct and validate a commercial adipose tissue processing laboratory. Local stakeholders will include the appropriate Antiguan government agencies, medial community and investors.

Upon completion the new entity will be responsible to create the laboratory facility to provide regenerative medicine and wellness treatments through existing or newly created treatment facilities located in Antigua

The laboratory facility will be the premier regional cGMP facility offering collection, processing and storage of clinical grade adipose derived stem cells to support the establishment of a Biotourism industry in Antigua

Upon establishment of the clinical, cGMP, laboratory, and the delivery of treatments through current facilities, the new entity will create a state-of-the-art treatment facility to provide wellness, cosmetic and specific therapeutic procedures to qualified patients and as a international licensing model.

Adipose Tissue (FAT) Based Platform

A significant, easily accessible source of **regenerative cells**



Available Source

A simple liposuction performed by a cosmetic or plastic surgeon is required to obtain a minimum of 60mL of tissue.

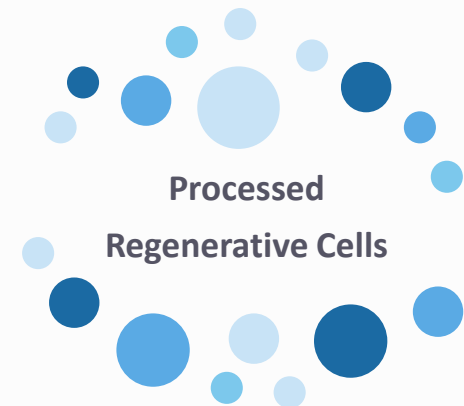
This procedure may be completed in less than 40 minutes and requires no down time by the patient.



Multiple Uses

Regenerative medicine samples may be processed into multiple products and/or stored for future treatments.

- Whole Adipose Tissue
- Stromal Vascular Fraction
- ATCELLs (Adipose Derived Stem Cells)
- Personalized Skin Care



Regenerative Medicine

Processed adipose tissue can be isolated into Stromal Vascular Fraction or ATCELLs (Adipose Derived Stem Cells) and expanded to create a personalized application.

Clinical Laboratory Services

Standardized cellular products for **consistency and reliability**

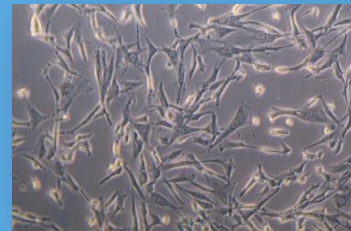
Our laboratory facility will have the ability to process multiple products from each patient's adipose tissue depending on the prescribed final cellular product.



CELLECT
(Adipose Tissue
Collection)



ATCELL-SVF
(Stromal Vascular
Fraction)



ATCELL
(Adipose Derived Stem
Cell Isolation &
Expansion)



**Multinational
Inbound Tissue
Transportation**

Laboratory Partner

The facility will operate under licensed protocols from **American CryoStem Corporation**



The new entity will secure exclusive licensing rights for Antigua to American CryoStem's cellular processing platform. This platform will serve as the foundation for cellular therapies and wellness platforms.

The licensed technology conforms with the FDA core regulations that control Human Cells, Tissues, and Cellular and Tissue-Based Products (HCT/Ps) (Title 21 CFR Part 1271 and 21 CFR 210,211).

The laboratory facility will process cellular samples according to American CryoStem's validated Standard Operating Procedures and Quality Assurance Programs.

Laboratory Highlights

- Clinical cGMP Tissue Processing & Bio-Banking Facility
- Conforms with American Association of Tissue Banks & American Association of Blood Banks
- Operates under current FDA guidance
- Multiple in-process quality management controls
- Transparent processing batch records and reporting
- Complete end to end record keeping
- Proprietary chain of custody methodologies

About American CryoStem

Access to **leading research** and key scientific personnel

www.americancryostem.com
www.acslaboratories.com
www.personalcellsciences.com



A Partner for Success

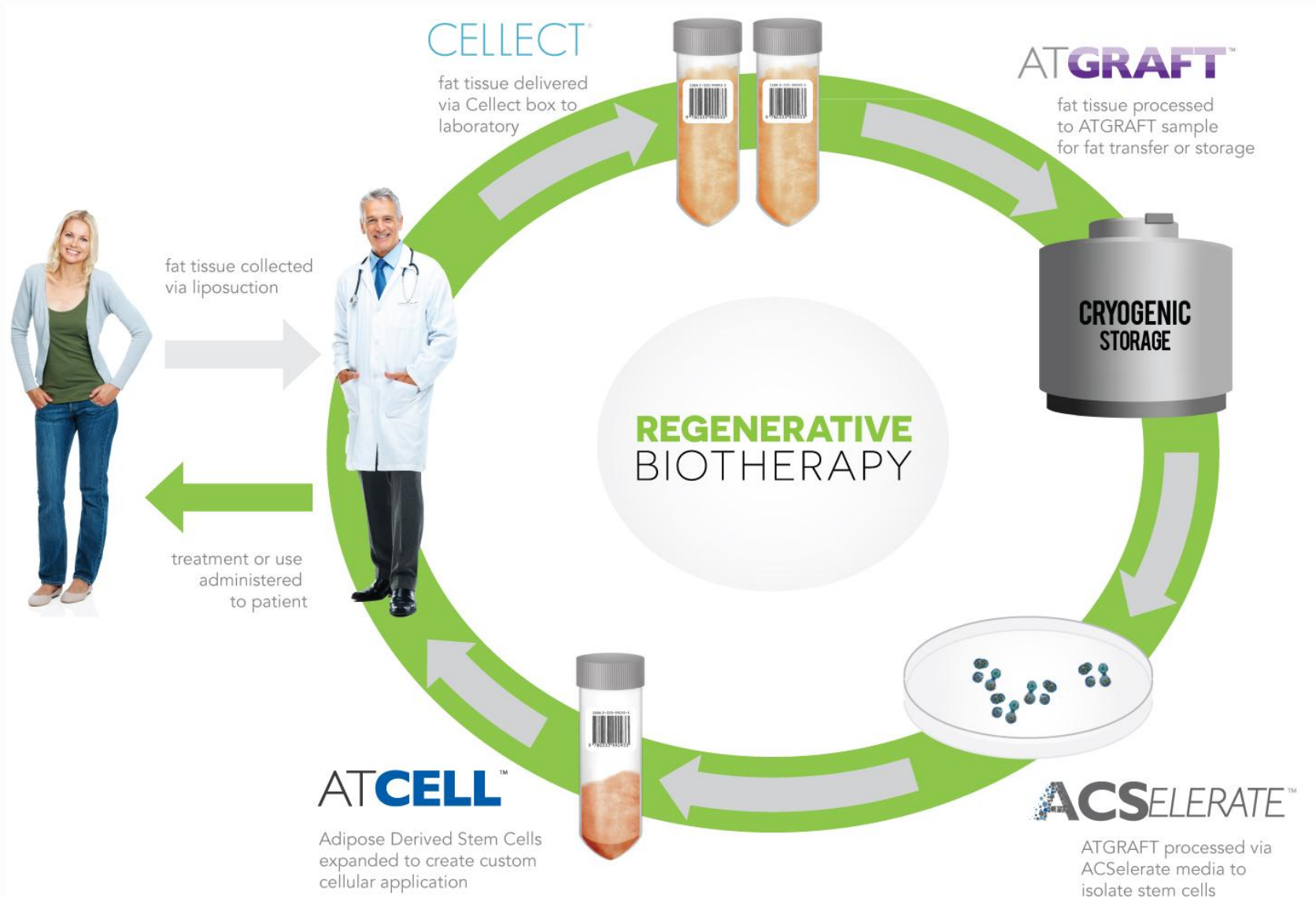
American CryoStem is a leading biotechnology developer and licensor of patented adipose tissue-based adult stem cell technologies.

Our licensing agreement with American CryoStem allows access to key scientific personnel for continual support of our laboratory facility. Additionally the facility will receive annual updates to its licensed SOPs.

Additionally, collaborative research being conducted with American CryoStem and leading institutions such as Rutgers University and the University of Washington may be made available to the facility for use.



Bio-Tourism Cellular Platform Cycle



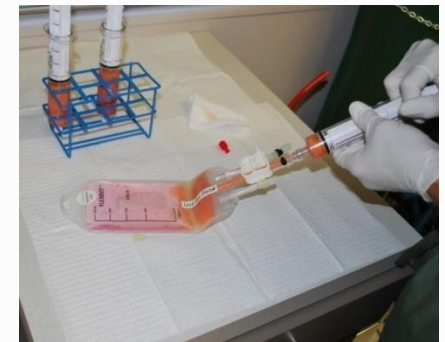
Global collection and transportation

Validated tissue collection and transportation system

CELLECT[®]

Product Highlights

- Ability to collect tissue from the United States and surrounding territories and deliver next day to Antiguan Facility.
- Unbreakable “chain of custody” between sample collection and laboratory
- ICCBBA labeling and facility identifier
- Cellect[®] system is used for all cGMP tissue collection and products
- Proprietary methods and materials to ensure highest cellular viability during transportation
- End-to-end temperature tracking of sample



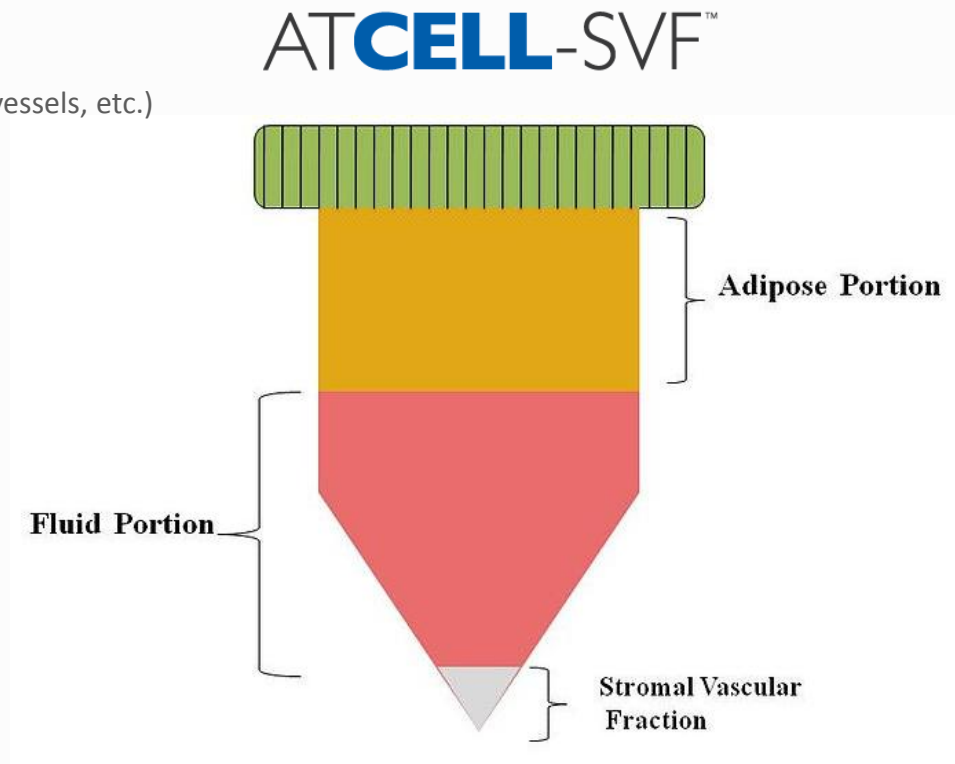
Cell Therapy Products

Stromal Vascular Fraction Processing (ATCELL-SVF)

Our IRB approved, licensed product, ATCELL-SVF™ provides for the isolation and storage of the stromal vascular fraction obtained from adipose tissue.

Components of SVF

- Adult Stem Cells (heart, bone, muscle, cartilage, blood vessels, etc.)
- Pre-Adipocytes (fat cells)
- Endothelial Cells (veins, artery, capillaries)
- Smooth Muscle Cells (muscle)
- Pericytes (capillaries)
- Fibroblasts (connective tissue, skin)
- Erythrocytes (red blood cells)
- B and T Cells (immune response)
- Macrophages (immune system)
- Monocytes (white blood cells)
- Mast cells (wound healing)
- Natural Killer Cells (immune system)
- Growth Factors (cell growth hormone and proteins)



Cell Therapy Products

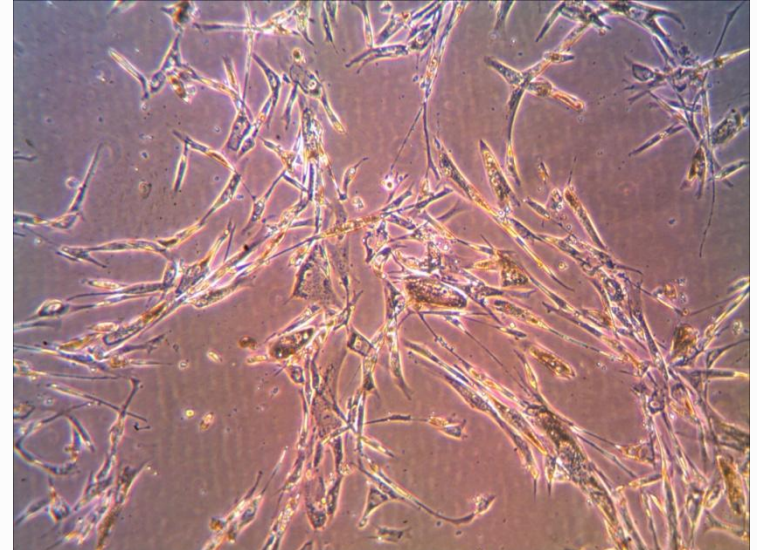
Adipose Derived Adult Stem Cells (ADSCs)

Our IRB approved, licensed product, ATCELL™ provides consistent cellular characteristics required for the development, repeatability and standardization of commercial Regenerative Medicine therapies:

ADSC Product Highlights

- 96% pure, highly concentrated ADSCs
- Specific antigenic markers unique to mesenchymal stem cells
- 96%+ ADSC purity confirmed by third party flow cytometry
- Maintains cellular identities throughout culture
- Can differentiate into multiple cell types
- Consistent results and comparable data for clinical studies

ATCELL™



ATCELL™ (clinical human adipose derived stem cells)

Cellular Platform Products

Licensed products and services used in cellular platform

ATGRAFT™

Whole tissue storage service for future processing of master sample.

Patent Pending PCT/US13/44621

Product Highlights

- Uses the Collect® tissue collection system
- Stored tissue may be used as a natural filler for cosmetic and reconstructive surgical procedures
- FDA and PHS 361 compliant
- Stored fat may be further processed into additional products.
 - ATCELL-SVF™
 - ATCELL™
 - Autokine-CM®

ACSELERATE™

Cell media line for transporting, growing and storing human cells.

Issued Patent # 7,989,205

Product Highlights

- Specifically designed for use with adipose tissue and adipose tissue derived stem cells
- Superior growth capabilities
- Animal product free, GMP manufactured.
- Suitable for human clinical and therapeutic uses

personal CELL SCIENCES

Adipose Derived Conditioned Media for a personalized anti-aging skincare

Patent Pending

Product Highlights

- Autologous conditioned media contained growth factors, matrix proteins and cytokines
- Conditioned media processed and cultured using ACSelerate
- Main ingredient (Autokine-CM) is used to create a personalized suite of skincare products.

IRB Approved Protocols

Our products are processed under an approval from the Institutional Review Board (IRB) of the International Cell Surgical Society (ICSS). These approvals allow for a standardized cell line processing and further advance our transparency to provide outcome data for clinical studies, clinical trials and peer reviewed research publications.

CERTIFICATE OF APPROVAL

This is to certify that
American CryoStem
 Has, on the 27th day of June 2013
 Been granted approval by the
Institutional Review Board
 of the
International Cell Surgical Society
 for the
Culture Expansion of Autologous ADSC





Chair Secretary

IRB Approval Number: ICSS-2013-003 Valid until: June 26, 2014

IRB Approval does not constitute exemption from applicable state, local or federal regulations or requirements, is not a substitute for any required pre-market approval and is reserved solely for investigational studies that fall outside the scope of regulation of the Food and Drug Administration

AT**CELL**™

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AT**CELL**-SVF™

CERTIFICATE OF APPROVAL

This is to certify that
American CryoStem
 Has, on the 21st day of November 2013
 Been granted approval by the
Institutional Review Board
 of the
International Cell Surgical Society
 Comparative Viability Assessment of Human Adipose Tissue
 Before and After Cryopreservation





Chair Secretary

IRB Approval Number: ICSS-2013-010 Valid until: November 22, 2014

IRB Approval does not constitute exemption from applicable state, local or federal regulations or requirements, is not a substitute for any required pre-market approval and is reserved solely for investigational studies that fall outside the scope of regulation of the Food and Drug Administration

AT**GRAFT**™

cGMP Processing Laboratory



16' x 12' ISO 6/ Class 1,000 Clean Room

As part of our commitment to providing the highest quality cellular products and services the processing laboratory will operate within a certified modular ISO 6 / Class 1,000 clean room designed specifically to clinically process adipose tissue within the proposed laboratory.

In the certified clean room the technicians will process all cellular sample in a Bio Safety Level II hood.

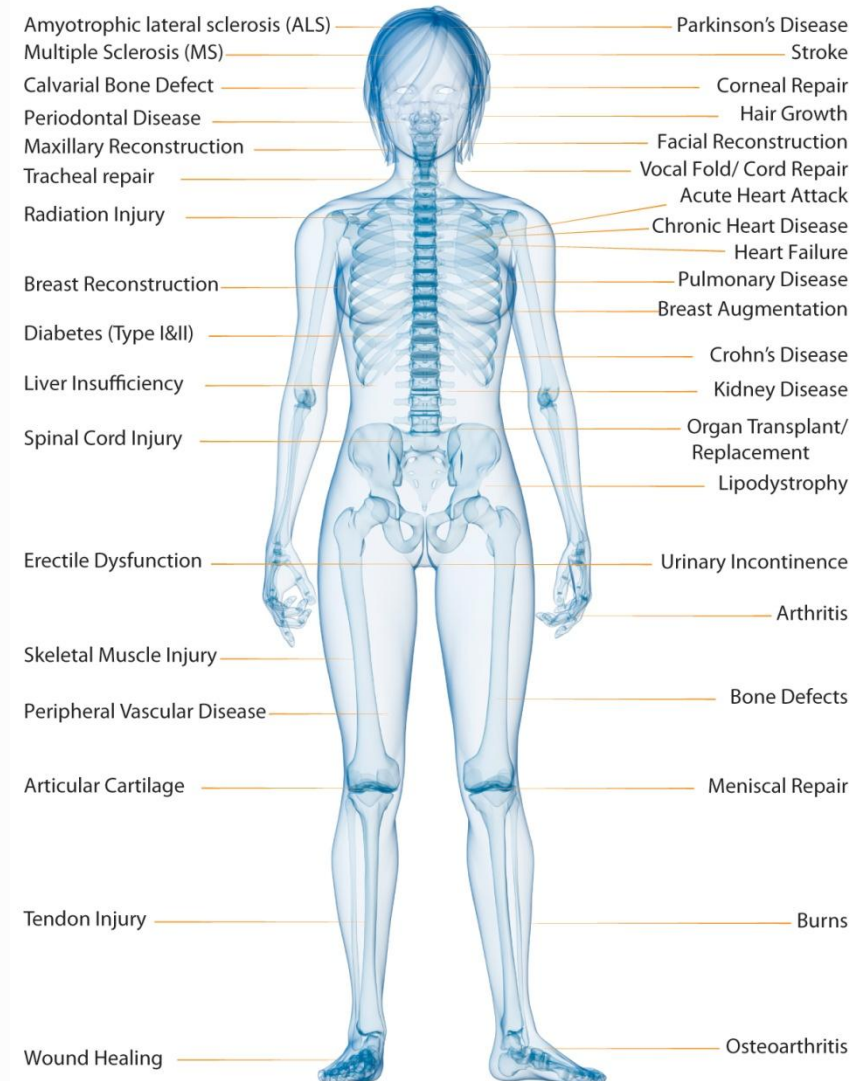
QC (quality control) cellular samples will be made available to American CryoStem as part of its ongoing quality management programs.

Identified Cellular Applications

Worldwide scientific advances using stem cells in therapeutic, reconstructive, orthopedic, cosmetic, and anti-aging applications, are the future of personalized and regenerative medicine.

A partnership with local existing facilities will accelerate the timeline for offering treatments to clients.

Research indicates that offering select treatments locally enter while referring patients to affiliated clinics for specific treatments and therapies increase patient traffic and revenue.



The Financing Transaction

Organize New Antigua Corporation

Determine Budget and Financing Plan



Phase 1 – Finalize Operational Plan

Laboratory construction and Antiguan treatment center affiliation



Phase 2 – World Class Treatment Facility

Build New Antiguan Bio-Tourism Facility

Phase 2 – Treatment Facility



Construction of a world class anti-aging alternative medical center with a focus on **combining cutting edge, anti-aging stem cell treatments for internal rejuvenation with advanced cosmetic procedures performed by highly skilled plastic surgeons.**

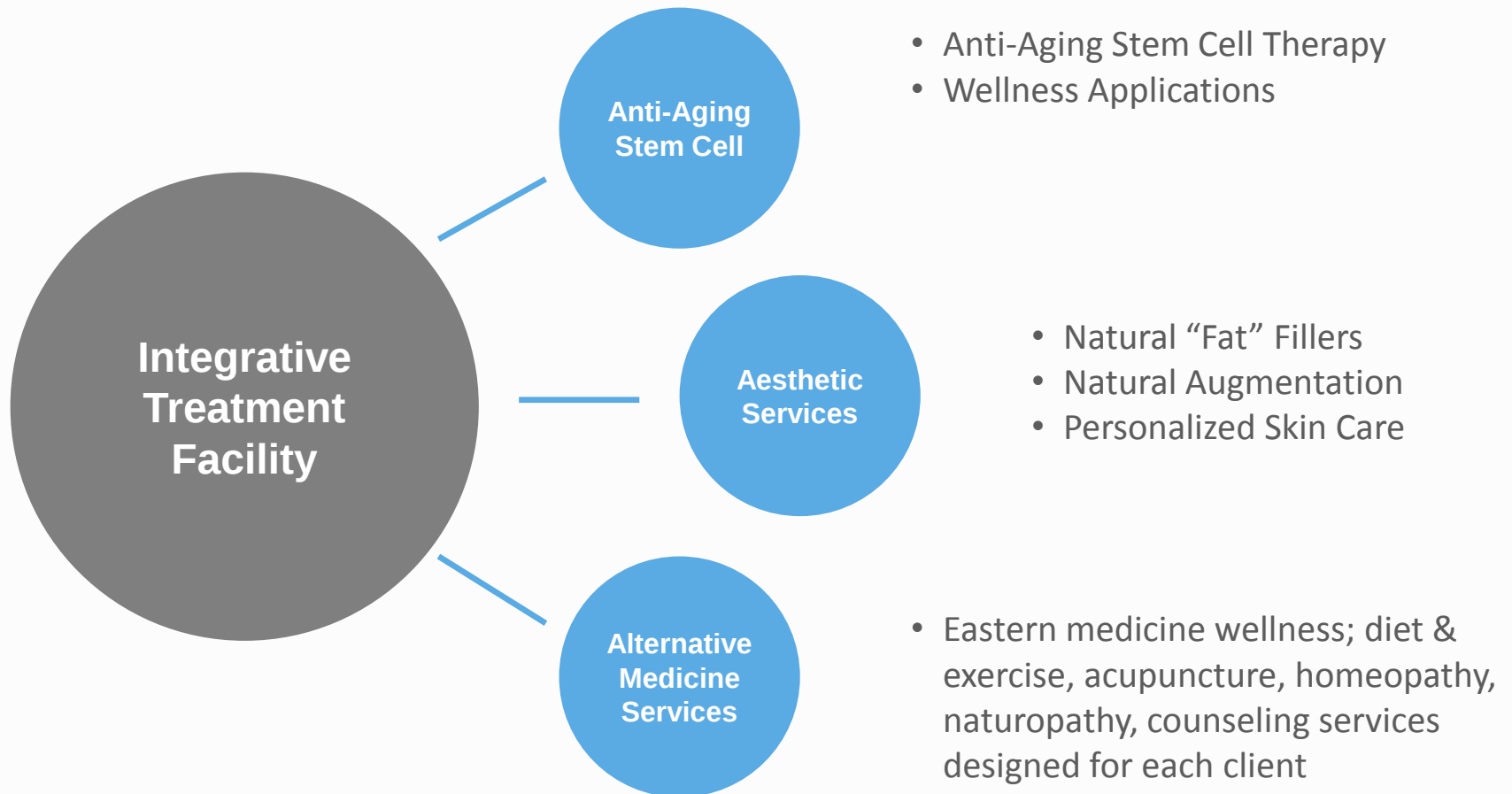
This focused approach is centered around providing leading anti-aging medical treatments with functional medicine programs; homeopathic, naturopathic, allopathic and oriental medicine to determine the underlying causes(s) of a person's symptoms using advanced diagnostic testing to treating the underlying condition with the most progressive medical therapies.

List of Services for the Anti-Aging Center

- Stem Cell therapy
- Heavy Metal Detoxification
- Immunity
- Medical Aesthetics
- Mesotherapy
- Natural Hormones
- Plastic and Reconstructive Surgery
- Hyperbaric Chamber treatments
- HCG therapy
- Neurological
- Nutritional

Personalized Integrative Approach

A comprehensive personalized wellness facility centered around using adipose tissue and its regenerative cells.





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