The Engine for Longevity

GeminiDT BioTech Medical Condition Discovery Engine

Precision Medical Data ScienceTechnology

Enabling doctors to see what they've never been able to see

www.GeminiDT.com

What is GeminiDT?

Gemini DT is the world's most accurate 3D Digital Twin data provider that uses a proprietary new process to transform 2D sliced scan data into 3D spatial data sets.

The data sets are optimized to take advantage of powerful computer platforms and artificial intelligence for the medical industry to perform comparative data science analysis on current and historic scan datasets to minimize subjective, human interpretation errors.

Medical Imaging in not empirical it is interpretive

THE PROBLEM

Seeing and identifying the presence of a tissue anomaly, such as cancer, is identified by the radiologist

with their eyes looking at through low resolution, grey scale,

flat two-dimensional pixel based visual imagery.

This visual limitation can lead to missed interpretation or inconclusive diagnosis and result in a wide

discrepancy in evaluations.

Radiologist provides best guess!

Many anomalies are misdiagnosed or missed entirely until the cancer has become too large or has

spread, making it sometimes too late to intervene.

The human eye can see 400 microns… a cancer cell is 20 microns.

GeminiDT is Empirical

GeminiDT embedded technology
is a paradigm shift from greyscale imaging and analysis
to three-dimensional Spatial Data Structure
with advanced data science.

Now math can be performed on a volumetric structure.

GeminiDT's solution now enables doctors to detect disease anomalies
at its earliest stages.
Many times years ahead of when it can be detected with current imaging
technologies.

The current protocol for example, in cancer identification, is through using medical

imaging such as MRI, CT, Xray and PET scan.

This is why the industry flying blind

So little is being presented to the radiologist it takes 3 years of training to read an image and render an opinion. Below illustrates the data loss that occurs.

Original Full fidelity of what the CT machine captures in each slice as the patient is scanned 31,000 values are captured

Data loss by magnitude as the image is converted to 256 shades of grey per slice by the CT machine presented as a 2d view

What the radiologist sees.. as the human eye can only see 30 shades of grey

Enlarged area of interest. Educated guess? The eye can't see smaller that 200 microns let alone a cancer cell at 10 microns.

Solution

GeminiDT turns interpretational medical imaging into true spatial data science that minimizes subjective, human interpretation errors.

Anomalies can be identified in near real-time.

Patient data sets are then optimized to take advantage of powerful computer platforms and artificial intelligence.

Destructive contrast dyes no longer need to be administered to the patient. The fidelity of the data is inherently higher than can be re-produced in ink. AI can sift through this data and see earlier signs of issues.

Now the medical industry can perform comparative data science analysis on current and historic scan datasets.

Progressions, cause and effect, predictive analysis, and personalized medicine can be enabled.

A Paradigm Shift

GeminiDT is enabling a paradigm shift from greyscale two dimensional pixel base visual imaging and analysis to a three-dimensional Spatial Data Structure

Features

Advanced data science, AI, machine query, and XR.

Ecosystem deployment for distributed operations

Conscience AI neural network and hyper processing with blockchain edge computing

Capabilities

https://youtu.be/i30wHEogv5A

What is the MCDE - Medical Condition Discovery Engine

The MCDE is an embedded suite of programs designed to help doctors more quickly and accurately diagnose diseases than with the tools currently in use. These analytics are designed to help improve medical care and efficiency in some very common situations.

- Improve biopsy success and treatment efficacy by identifying, locating, and measuring anomalous tissues in scans from 3D scan.

- Identify potential problems earlier by digitally recognizing problems that are not yet symptomatic or are too small for visual identification.

- Reduced or removed need for contrast chemicals by digitally enhancing tissues in lieu of chemical enhancement.

- Reducing scan assessment time from hours to seconds.

- Providing a comprehensive assessment of all scans, allowing for detection of auxiliary issues even when the scan is intended for a specific acute problem.

Benefits

These capabilities allow doctors to make better informed decisions, and thus have effects that can greatly increase patient recovery, reduce patient suffering, and provide better efficiency and efficacy of the healthcare system overall.

Now the industry can precisely measure, specific patient conditions.

In the following section, we look at how the MCDE can impact a patient's care, and how with broad application…the MCDE can improve population health and longevity, the value of healthcare,
the value of research to medical science,
and an improved understanding of how to predict the costs of medicine to society.

The MCDE for Longevity Powering a New Market

By implementing the medical condition discovery engine in Miami's aging community, alongside a focus on biologics and regenerative medicine, brings several benefits for longevity.

These include:

- Early detection of age-related conditions
- Personalized care
- Access to advanced therapies
- Attraction of businesses and skilled professionals
- Empowerment of hospitals and medical schools
- Collaboration opportunities for research and innovation.

Collectively, these advantages position Miami as a desirable place to live and work, with an advanced healthcare ecosystem that prioritizes precision medicine and improves the well-being of the aging population.

How GeminiDT empowers the longevity Market

The emergence of the longevity enhancement market represents a paradigm shift in how we approach aging and the pursuit of longer, healthier lives.

With a focus on

- Anti-Aging Therapies - Health Monitoring Technologies

- Personalized Medicine   - Nutraceuticals

- Longevity Lifestyles - Educational Initiatives

This Miami market will offers a range of solutions to promote a longer healthspan and potentially extend the human lifespan.

As scientific research progresses and new discoveries are made, the market for longevity enhancement is expected to grow further, providing opportunities for businesses and individuals alike.

Economic Development Strategy

GeminiDT is a B2B technology group founded in Silicon Valley

Partner engagement

Embedding and licence with strategic partners

Medical Research institutions and medical schools

Wellness companies and assisted living

Sports medicine and restorative and regenerative clinics

Wellness Tourism

Biologics for anti-aging, Empowering regenerative therapies and products

Animal Husbandry

Biologics and stem cells for Animals and Equine solutions for regenerative and restorative therapies

GeminiDT Solution Features

• Medical Condition Discovery Engine
Parses and queries volumetric data with AI, Machine Learning & Predictive Analytics

• Spatial Data Technology
Combines quantitative analysis and image renderings to generate a true Digital Twin for progression queries and lens filtering

• Computational Data Integration
Provides interrogation of collective data sets cross-populations and comparative analyses

• Virtual Reality Integration
Provides data structure for immersive collaborative environments.

Thank You

Investment, License and Strategic Partnerships

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Industry: Data science for Medical

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