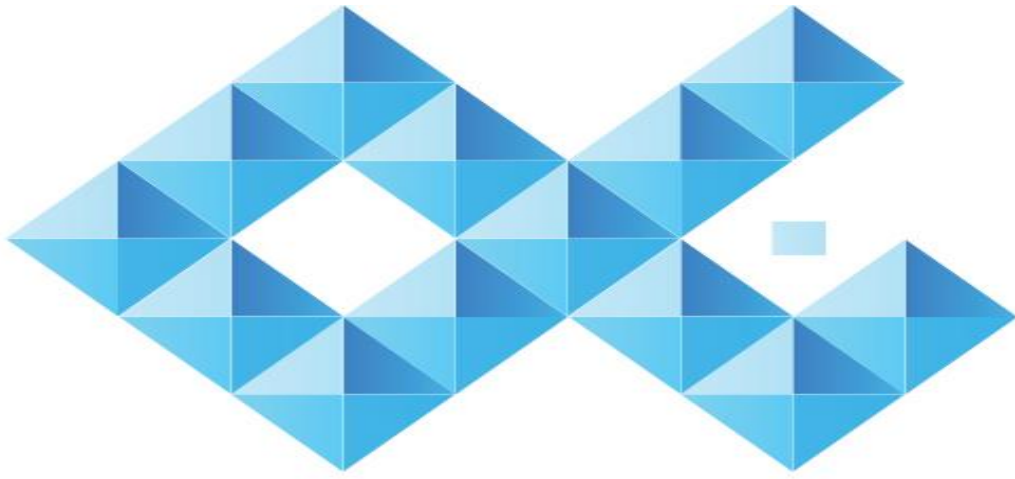




GENEIS

■ GENETIC SYSTEM SOLUTIONS ■

Who is Geneis?

GENEIS Medical Genetics Diagnosis and Therapy Center is a founded by Nesrin Ercelen, MD, PhD.

Dr. Nesrin Ercelen has been working for more than 25 years to provide Genetic, Regenerative Medicine regulatory and medical application consultancy to Academics Hospitals, Clinics, and Companies.

GENEIS Genetic Medical Diagnosis and Therapy prepares projects for companies and/or hospitals related to “Genetic Diagnostic Centers”, “Stem Cell GMP and Treatment Centers”, as well as research clinics and centers.

Establish “Genetic Diagnostic Centers”, “Stem Cell GMP and Treatment Centers” or Research Clinics and Centers.

Our Vision

To become a leading biotechnology company at national and international levels in the fields of genetics and regenerative medicine; enhancing quality of life through scientific expertise and delivering sustainable innovations in healthcare.

Our Mission

To develop projects in clinical genetics, stem cell therapies, and tissue engineering for hospitals, clinics, and companies, contributing to the healthcare system with ethical, scientific, and innovative solutions. To lead the establishment of genetic diagnostic centers, GMP-compliant stem cell and treatment centers, and research clinics.

Our Values

Patient safety and application of new biological treatments in safe conditions and under patients approvals

Product quality, safety and efficacy

Optimization of resource utilization

Promotion of academic and productive collaborations

Support of innovative production of biological products

Adherence to scientific and ethical excellence

GENEIS MEDICAL GENETICS DIAGNOSIS AND THERAPY CENTER LABORATORY AND CLINICAL SERVICES

1. GENETIC TEST / GENETIC CONSULTATION
2. PERSONALIZED GENETIC CHECK-UP / PREVENTIVE MEDICINE
3. CANCER GENETICS / Targeted TREATMENTS
4. REPRODUCTIVE (INFERTILITY) GENETIC
5. REGENERATIVE MEDICINE / STEM CELL THERAPY

1. PERSONALIZED GENETIC CHECK-UP / PREVENTIVE MEDICINE

At the point where the science of genetics has reached today, it has become possible to apply special treatment to individuals, not based on statistics. Your health problems that may occur with increased age are analyzed with personal and preventive medicine. Your appropriate health plan will be removed and appropriate follow-up and treatment plans will be created for your high-risk vulnerabilities.

Evaluations made by taking into consideration the differences of your own DNA are determined by the consequences of adverse reactions that can be understood and treated, and your own specific genetically engineered, appropriate nutrition and sports program can be created.

The aim of your DNA booklet is to create a special health guide for you to live a healthier and longer life.

Personalized DNA test is the analysis of the chemical database of our body functions, DNA. It is possible to learn about genetic alterations and mutations in your genes through genetic check-up.

Although personalized DNA test gives information about the diagnosis, treatment and prevention of diseases, consulting your doctor or genetic counselor is an important step of genetic check-up.

If you have symptoms of a genetic disease, family history or you want to learn about the medication and dosage suitable for you, you are pregnant, have a newborn or want to have a child, you can get genetic check-up.

Cardiovascular diseases, diabetes, high blood pressure, obesity, metabolic syndrome, peripheral metabolism, lactose malabsorption, lipid metabolism genes are analyzed in your personalized DNA report for a better and healthier life plan.

2.CANCER GENETICS / TREATMENT

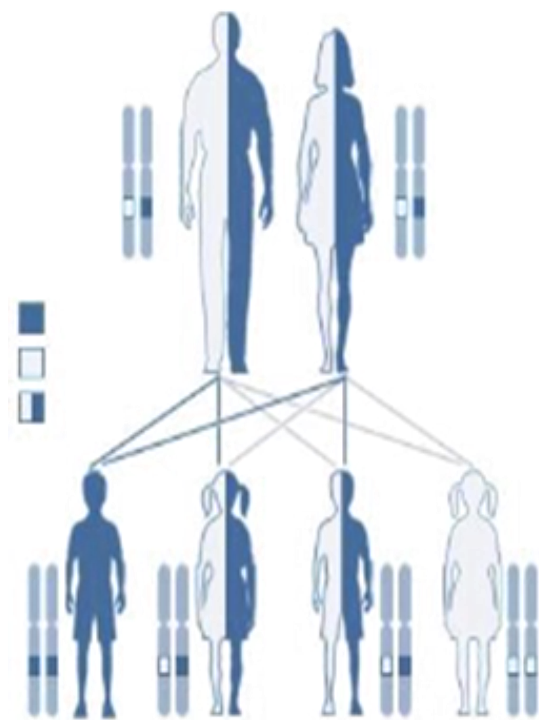
Although the developing technology has improved the treatment methods for many diseases, the targeted results could not be achieved for many cancer types yet, because of their different developing path in every different case. Cancer can be simply defined as, uncontrolled and mistimed cell division because of some problems occurring in proteins which have roles in cell cycle and it is hard to diagnose cancer early in some types. Genetic factors also play an important role in some cancer types. Especially if there is a person in the family with breast, colon or ovarian cancer, the other family members are also at risk and genetic tests and health scanning must be done for early diagnosis. 10% of these 3 types of cancer are hereditary. As well as being hereditary they can also occur sporadically (first time in the family).

There are approximately 23.000 genes in humans. There are differences in human DNA called single nucleotide polymorphisms (SNP) and these differences are the main causes of variety among people. But some differentiations on genes (mutations) can cause diseases like cancer. For example, the tumor suppressor gene, TP53, produces a protein called p53 which stops cells to over-grow during cell cycle and keeps the growth under control. A problem (mutation) on this gene, therefore this protein, disrupts this balance and plays an important role in occurrence of many different cancer types.

3.GENETIC TEST / GENETIC CONSULTATION

Science of genetics has shown a rapid progress recent years as the Human Genome Project was completed. As a result of this study it is determined that the human genome consists of 23.000 genes. Another important discovery made after this study is that approximately 10 million single nucleotide polymorphisms (SNP) can be found in every person. These polymorphisms cause the variety and differences among people. While some

SNP's may cause diseases, some may increase the tendency for some diseases. Genetic consulting becomes very important at this point. Genetic consulting determines a personal treatment way via genetic test opportunities offered by the developing technology. Genetic consulting especially becomes more important for those who have a background of genetic diseases in family history. These people can be informed by genetic consulting about which genetic problems he or she has or has not and which diseases this problem may cause. Patients can be led to an efficient treatment method for this disease that has a possibility to occur. Parents, who a genetic problem has been spotted in their babies by prenatal diagnosis method during pregnancy, may also take the advantage of genetic consulting for healthy and objective information based on scientific facts, about



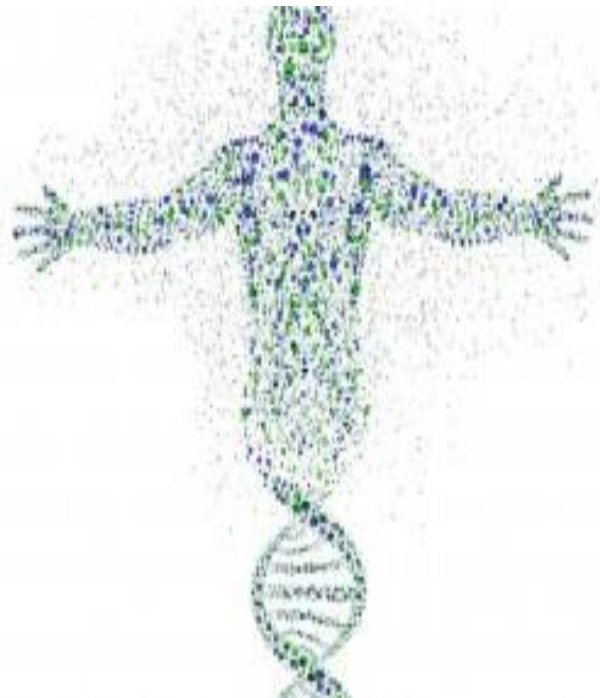
the future of their pregnancy.

Geneis Clinic provide genetic counseling to patients anywhere in Turkey. The average session includes the following:

- Evaluation of hereditary clinical diagnosis and family history

- Discussion of genetic testing and possible test results, including the risk of family members
- Coordination of the genetic testing process, including the assessment of wages
- Documentation of the genetic counseling session and transmission of test results to the patient

DIAGNOSTIC TESTS



- GENETIC CHECK-UP
- WHOLE GENOME SEQUENCING FOR DETECTION OF MENTAL RETARDATION
- PREMIUM PANEL (FEMALE)
- PREMIUM PANEL (MALE)
- DNA BOOK
- ANTI AGING PANEL (FEMALE)
- ANTI AGING PANEL (MALE)
- WEIGHT AND WELL BEING PANEL
- ONCOLOGY PANEL (MALE)
- CARDIAC METABOLIC PANEL
- SKIN QUALITY PANEL
- GENETIC CHECK-UP GENE PANELS
- CANCER RISK
- AUTISM
- REPRODUCTION / IN VITRO FERTILIZATION GENETIC TESTS
- TEST FOR BLOOD DISEASES
- DRUG SENSITIVITY ANALYSIS
- MIKROBIOLOGICAL TESTS
- MALE INFERTILITY TESTS
- ANALYSIS OF CHROMOSOMAL ANOMALIES
- TESTS FOR HEREDITARY DISEASES

4. REGENERATIVE MEDICINE / STEM CELL THERAPIES

Regenerative medicine is being used on many fields recent years. It is possible to make cells, tissues and even organs which have lost their normal function, functional again via this branch of medicine. Regenerative medicine expression was first used by Leland Kaiser in 1992 in a paper he wrote. The regenerative cells and stem cells obtained from the patient's self are particularly preferred biological materials on this field. This method is preferred especially because it has fewer side effects compared to other treatment methods during and after treatment. Nowadays, regenerative medicine has started being utilized on type-1 diabetes, cardiovascular diseases and even on diseases that affect central nervous system.

Treatment methods for increasing people's life quality are also possible by using regenerative medicine's opportunities. It makes this treatment method applicable because it comes up with a solution on problems like diabetic foot wounds, fat atrophy on face and burn wounds with minimum complications by using regenerative cells obtained from patient's self. Besides, because these cells enable to regenerate skin and aging areas it is also preferred on cosmetic fields. The process of this treatment has three steps. Firstly, fat tissue is obtained from the patient by biopsy or liposuction. Regenerative cells obtained from these tissues are refined and concentrated after certain procedures. Then, regenerative cells are injected in proper areas according to the patient's needs alone or as natural cocktails.



REGENERATIVE MEDICINE AND STEM CELL

Regenerative medicine uses the innovative cells of the patient's own tissues to solve medical and aesthetic problems that can not be treated by traditional methods.

Regenerative medicine works with all branches to provide a lasting solution to many problems that medicine can not answer with classical treatments. Regenerative medicine, which regenerates unhealthy,

deprived cells and tissues using biological products, uses practices defined by legal and scientific procedures when performing these applications

REGENERATIVE MEDICAL APPLICATIONS

- Peripheral circulatory failure treatments,
- Diabetic foot treatment,
- (Chronic) spinal cord incisions,
- Cartilage, bone tissue regeneration applications,
- Plastic surgery applications (aesthetic and reconstructive)
- MS, diseases such as coronary artery disease, diabetes

BIOLOGICAL TREATMENT IN ORTHOPEDIC

- Applications in cartilage problems
- Tendon and muscle injuries
- Applications in joint degeneration
- Applications in spinal problems
- Emergency applications in sports injuries

STEM CELL APPLICATIONS:

DIABETIC FOOT INJURIES

25% of diabetic patients suffer from diabetic foot complaints to some degree; 8% of these result in amputation of the foot or toes. Regenerative cell treatment finally allows effective treatment of the surgical area with far less extreme and tolerable results.

BURNS

Heavy (third degree) burns are amongst the most difficult conditions to treat and present special challenges to surgeons. Regenerative medicine applies healthy regenerating tissue from the patient to treat such burns and restore a healthy natural appearance.

ISCHEMIC LIMB PROBLEMS

Vascular occlusions can also be treated using regenerative and stem cell methods. This disease is usually treated using medication, ozone or high pressure treatments. Surgical amputation is a last resort in these cases, or sympathectomy can be implemented. Instead of these methods, new stem cell and regenerative methods can now be used to close the wound and restore circulation.

BIOLOGIC TREATMENT FOR COLORECTAL FISTULAE

Colorectal fistulae are openings around the anus, between the large intestine and the skin. Severe cases can lead to infection and discharges. One of the main problems in treating this complaint is post-op recurrence. The latest research indicates the effectiveness of regenerative cell use in treatment, with lower recurrence rates – especially in advanced cases. Single application success rates are around 70%.

CARTILAGE AND DEGENERATIVE JOINT DISEASE

Stem cell applications are of particular significance in cartilage treatment and repair. Regenerative tissue from the patient obtained by means of a biopsy can even regenerate cartilage in areas where there was almost none left. This allows structural and functional regeneration in the joint regions.

PLASTIC SURGERY AND STEM CELL APPLICATIONS

The use of regenerative cells obtained from the patient herself has cosmetic applications as well. This allows the renewal of the skin and other regions that show signs of ageing. This treatment is administered in three stages. First, fatty tissue is extracted by liposuction or biopsy methods. The regenerative cells obtained are refined and concentrated by various methods. The regenerative cells are then injected into the appropriate area according to the patient's requirements, either by themselves or in the form of a natural cocktail.

FACIAL AND BODY FILLING (ANTI-AGING)

Fillings using non-natural products such as implants are subject to a reabsorption rate of up to 70%. Filling that uses regenerative cells from the patient's own body has a far better appearance than fillings that use artificial means. Rather than having to have continuous repeat operations, a one-time injection is sufficient.

BREAST RECONSTRUCTION

Breast cancer is the most common form of cancer in women. Nowadays, reconstruction can be carried out using regenerative stem cells after the removal of the patient's breast, cancerous tissue under the breast and lymph nodes.

TREATMENT OF SCARS AND SKIN INJURIES

Regenerative cells obtained from the patient him/herself can be used to treat scars and injuries on the skin, reducing allergy risks. The treatment restores the affected region's previous natural structure and appearance.

REGENERATIVE MEDICINE APPLICATIONS

Orthopedics	Cosmetics / Plastic	Anti Aging Medical	Medical Wellness	Obesity Metabolic Balance	IVF Assistance
Stem Cell Therapy Package	Surgical Stem Cell Therapy Package	Wellness Treatment Package	Cell Therapy Package	Treatment Package	Cell Therapy Package

WE INVITE YOU TO REQUEST GENETIC COUNSELING FOR THE PACKAGES LISTED ABOVE AND THE ADVANTAGE OF OUR COMPLIMENTARY FREE MEDICAL CONSULTATION SERVICES.

