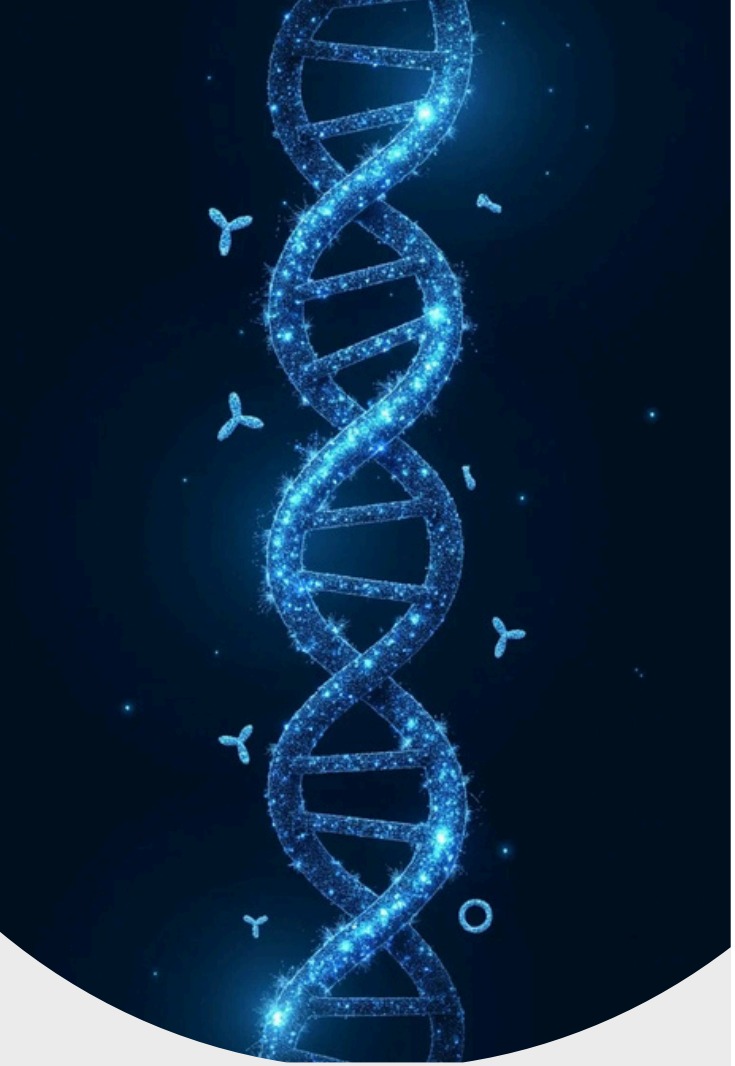


Knowing your genetic information can help personalise your medical check-ups

About iGenetx

At iGenetx, we are pioneers in genetic testing and personalized health solutions. Founded with the vision of bringing genetic science closer to everyday health, we are Egypt's pioneers in DNA-driven wellness.

Using state-of-the-art technologies and the highest safety standards, iGenetx helps individuals, healthcare professionals, and institutions worldwide to understand and anticipate genetic risks, enabling more informed and proactive health decisions. With a focus on innovation and accessibility, iGenetx transforms the way we understand and care for health at every stage of life

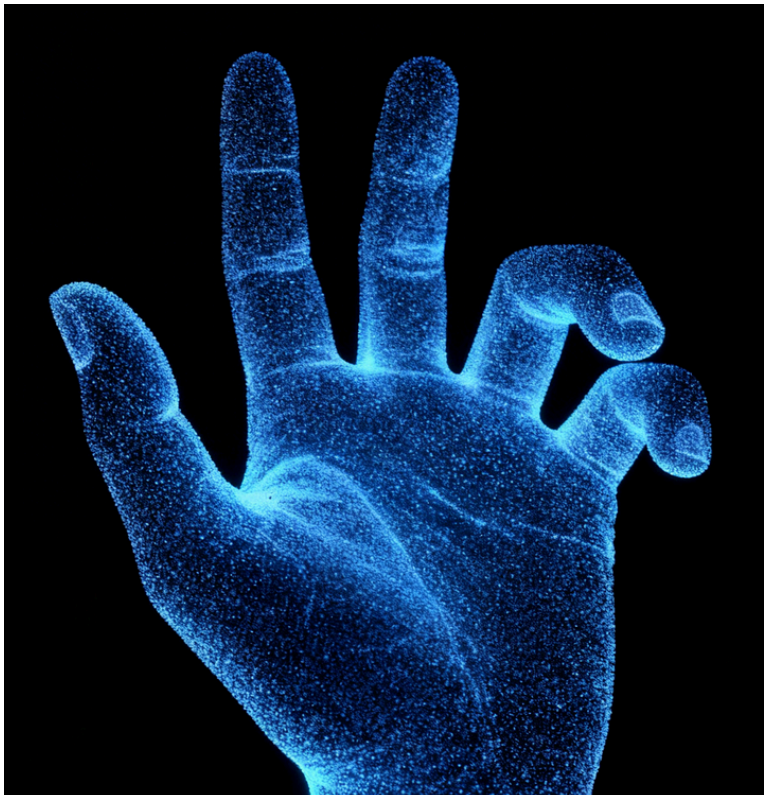
iGenetx

info@iGenetx.com | iGenetx.com

my GeneticRisk

Genetic test to assess the risk for common diseases

View on mobile



iGenetx X Veritas

myGeneticRisk

What is myGeneticRisk?

myGeneticRisk is the preventive genetic test that determines the hereditary risk of cardiovascular disease and cancer, *the most common conditions worldwide.*

Knowing the predisposition to these actionable diseases *allows the specialist to establish medical management strategies to prevent them or detect them in early stage, when it is possible to treat them effectively.*

Why is it important?

5-20%[1]

of cancer cases *are hereditary in origin, the percentage varies depending on the type of cancer.*

30%[2]

of sudden deaths *are due to genetic abnormalities related to the structure of the heart muscle or heart rhythm.*

5,4%[3]

of people have a variant in genes recommended to be analysed by international genetics societies (ACMG), as they are related to actionable diseases. *American College of Medical Genetics and Genomics*

75%[4] of people with a risk variant related to cancer or familial hypercholesterolemia do not have a known family history.

1. Nielsen FC, et al. Nat Rev Cancer. 2016 Sep;16(9):599-612. 2. Orland, et al. Current Genetic Medicine Reports 7.3;2019:145-152. 3. Internal data 4. Grzymski JJ, et al. Nat Med. 2020;26(8):1235-1239. 5. Miller DT, et al. Genetics in Medicine. 2022 Jun. DOI: 10.1016/j.gim.2022.04.006

Why is genetic information key?

The new era of preventive medicine

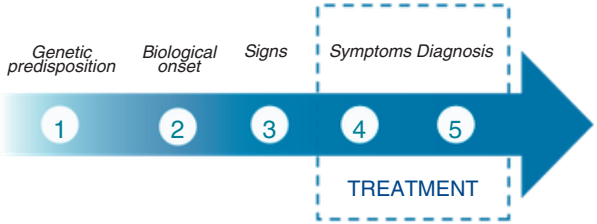
The incorporation of genetic information into patient care and health check-ups provides key information before the onset of symptoms, allowing a truly preventive approach.

Actionable disease: a medical approach exists to prevent its development or detect it early.

TRADITIONAL REACTIVE MODEL

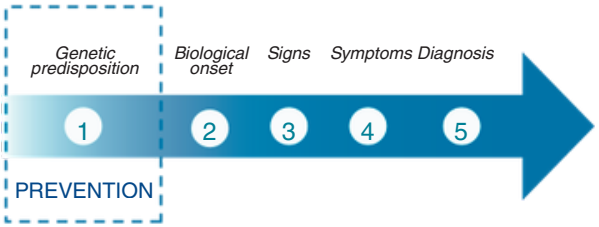
Disease-focused

This approach begins when the symptoms of the disease appear, the effectiveness of the treatment depends on stage of the disease at the time of diagnosis.



PREVENTIVE GENETIC MODEL *Patient-focused (myGeneticRisk)*

This approach anticipates the risk of disease before the onset of the first symptoms and therefore allows the implementation of preventive measures and an early detection, where treatment is most effective.



What is included in myGeneticRisk?

It includes the analysis of 162 genes related to the following diseases:

HEREDITARY CANCER

- *Breast cancer*
- *Gynaecological*
- *Prostate cancer*
- *Colorectal cancer*
- *Gastric cancer*
- *Pancreatic cancer*
- *Skin cancer*

HEREDITARY CARDIOVASCULAR DISEASE

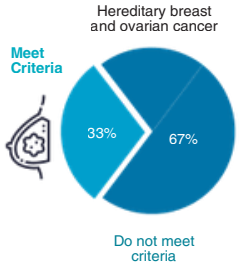
- *Cardiomyopathies*
- *Arrhythmias*
- *RASopathies*
- *Syndromes with vascular involvement*
- *Other syndromes linked to cardiac pathology*
- *Familial hypercholesterolemia*

OTHER CONDITIONS

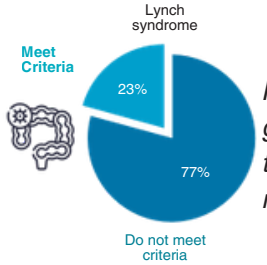
The assessment of other diseases recommended to be analysed by the ACMG [5], such as haemochromatosis, malignant hyperthermia or maturity onset diabetes of the young (MODY), among others.

Why is family history not enough?

Recent studies show that the current eligibility criteria, based primarily on family history, to use genetic testing for cardio vascular and cancer risk screening, exclude a significant percentage of the population at risk variants.



More than 65% of women with genetic variants that increase the risk of breast and ovarian cancer have no family history.



More than 75% of people with genetic variants that increase the risk of colon cancer have no family history.