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Genetics for people

My *Pharma*



NEURO

OPTIMIZE AND PERSONALIZE YOUR TREATMENTS THROUGH GENETICS

Personalized medicine

In a broad sense, personalized medicine could be defined as medicine specifically adapted to each individual, not thinking of a group or set within the population, but of each person, so that treatments are adjusted as much as possible to the specific individual characteristics of each patient.

This concept is linked to knowledge of the patient's genetics, since both the genome and the environment are responsible for the phenotype of the individual, which is the set of visible characteristics that an individual presents as a result of the interaction between his or her genotype and the environment.

What is MyPharma Neuro used for?

The MyPharma Neuro test determines the presence/absence of problematic genetic variants associated with a wide variety of drugs used in neuropsychiatry. This genetic information allows to know:

- Which drug and/or at what dose offers the greatest therapeutic benefits
- Which drug and/or at what dose adverse reactions are least likely to occur

Who is MyPharma Neuro for?

To all professionals who wish to develop a pharmacological treatment with one or more drugs included in any of the modules of the MyPharma test, and to those whose patients are already receiving treatment with any of the drugs analyzed and present adverse reactions and/or an inefficient response.

What is pharmacogenetics?

Pharmacogenetics studies genetic variability in relation to the response to a drug, in order to optimize its safety and efficacy.

Having this genetic information helps to determine the most appropriate drug for each patient and to adjust the dose to be administered more precisely. In other words, knowing this genetic variability makes it possible to optimize the pharmacological treatment for each patient in a personalized way. This increases the efficacy of the treatment and avoids possible adverse reactions.

This is especially relevant on those occasions when, due to the severity of the disease, it is crucial to ensure the efficacy of the treatment and minimize the risk of toxicity.

**MINIMIZES RISKS
AND MAXIMIZES
MAXIMIZES THE
BENEFITS OF THE
MEDICATION**

What does the MyPharma Neuro test analyze?

The test analyzes genetic markers involved in the pharmacokinetics and pharmacodynamics of a wide variety of neuropsychiatric drugs. Specifically, genes involved in the transport, activity and metabolism of the following drugs are taken into account:

Anticonvulsants

- Valproic acid
- Carbamazepine
- Phenytoin
- Phenobarbital
- Gabapentin
- Lamotrigine
- Mefenitoin
- Oxcarbazepine
- Pregabalin
- Topiramate

Anxiolytics

- Alprazolam
- Lorazepam
- Midazolam
- Oxazepam
- Nitrous oxide

Antipsychotics

- Amisulprida
- Aripiprazol
- Chlorpromazine
- Clozapine
- Fluphenazine
- Haloperidol
- Iloperidona
- Lithium
- Lurasidona
- Nortriptyline
- Olanzapine
- Perfenazine
- Paliperidona
- Quetiapine
- Risperidona
- Thioridazine
- Trifluoperazine
- Ziprasidona

Antidepressants

- Amitriptyline
- Bupropion
- Citalopram
- Clomipramine
- Desipramine
- Duloxetine
- Escitalopram
- Fluvoxamine
- Fluoxetine
- Isoniazid
- Liothyronine
- Milnacipram
- Mirtazapine
- Morphine
- Naltrexone
- Paroxetine
- Sertraline
- Venlafaxine

Smoking cessation treatment

- Clonidine
- Nicotine
- Varenicline

Attention deficit

- Dextroamphetamine
- Methylphenidate

Introducing MyPharma Neuro:

- MyPharma Neuro is a genetic test that determines the presence/absence of problematic genetic variants associated with neuropsychiatric drugs.
- MyPharma Neuro helps to establish a more effective and safer pharmacological treatment, as it allows to characterise the patient's response to a wide range of drugs.
- MyPharma Neuro is a non-invasive test. DNA is obtained from a saliva sample, is completely painless and is suitable for any person of any age.
- MyPharma Neuro is performed once in a lifetime, your genetics do not change.
- MyPharma Neuro analyses genetic markers at the highest level of scientific evidence.
- Innovative technology that offers greater precision and depth in the results.
- Once the sample is received in the laboratory, you will receive your results within a maximum of 20 days.