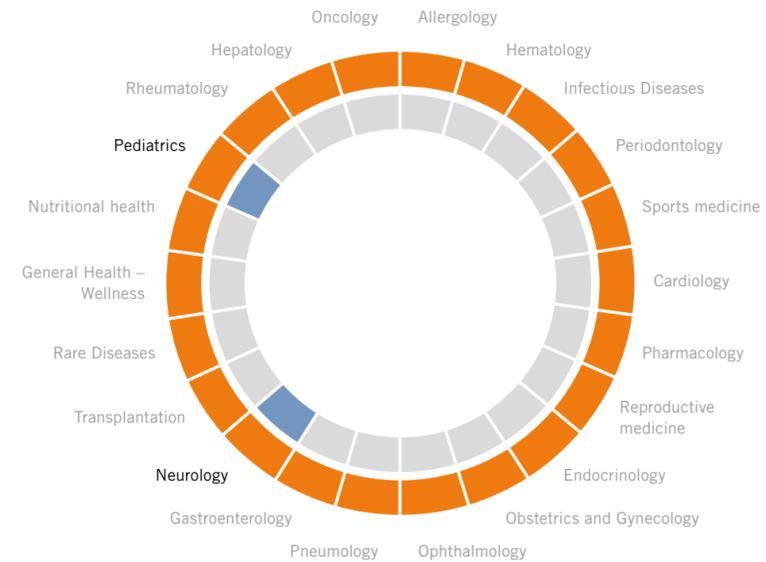


The most complete service at the highest quality standards

Eurofins stands for a conception of clinical diagnostics entirely focused on excellence, innovation and technological investment. With tens of thousands of clinical diagnostic tests performed every day, we strive to ensure that every patient, wherever he or she lives, is assured access to the most specialized and most innovative techniques for diagnosis, monitoring and therapeutic adjustment. Eurofins clinical diagnostics offers testing services in all medical specialties, from routine testing to esoteric testing including genetic testing.



The commitment of our laboratories: with our logistics expertise and our daily sample collection and delivery network, we guarantee perfect continuity in the provision of care, and the same quality and access to innovation across all the regions that we serve. It is our mission to offer the most innovative tests to the wider population at a cost that is affordable for society.

Neurology by Eurofins Clinical Diagnostics



- Focus on early diagnosis for early management
- Clinical genetics testing for diagnosis confirmation or for disease screening
- Whole exome sequencing (WES) capabilities
- From sample pick-up to medical counseling
- Clinical interpretation provided
- Accredited laboratories



Find Eurofins Clinical Diagnostics in your country!

V1-2018-EN



Clinical Diagnostics



Neurology

Innovating today for the health of tomorrow



Clinical Diagnostics

For more information on Eurofins Clinical Diagnostics Services please contact us!

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Improving diagnosis with genetic testing

Most neurological disorders present heterogeneous phenotypes that make it difficult to diagnose a patient based only on presented symptomatology. Thanks to recent advances in genetics, it is now possible to screen patients for a broad panel of possible diseases and get an accurate diagnosis much faster than ever before.

Neuropediatrics

The prevalence of some neurological disorders in children has increased in recent years. Although those disorders can have a genetic component, several external factors also play a role in the development of the disease. Therefore, Eurofins Clinical Diagnostics offers genetic testing to look for mutations, methylations and other alterations in the child's genome. When the symptomatology is not clear, Whole Exome Sequencing (WES) is recommended.

Migraine, fibromyalgia and depression treatment

Both migraine and fibromyalgia are more common in women than in men, particularly in women of childbearing age. Chronic headache and fibromyalgia can occur at the same time in many cases. Diagnosis of these diseases is not easy, and some patients suffer from not having a timely diagnosis. Clinical genetics offered at Eurofins can facilitate an easier and faster diagnosis.

Those patients that required to be medicated to treat depression, can suffer side-effects that make treatment adherence a challenge. Dosage personalization based on the genetic profile of each patient minimizes side effects and improves treatment outcome.



Better disease management

Early diagnosis of neurodegenerative diseases is difficult because the symptoms for many of those disorders overlap. Moreover, neurodegenerative diseases usually progress for many years before the patient manifests any symptoms. Advanced clinical diagnostics can help in identifying patients predisposed to these diseases, or who are at an early stage of developing them. This strategy will allow targeted therapies to be recommended as soon as possible, avoiding further tissue damage.

Neurodegenerative diseases

Alzheimer's disease is the most common type of dementia. Symptoms include changes in memory, something that can be considered as part of the normal aging process. The difficulty in diagnosing the disease makes early treatment not always possible. For those predisposed to suffer the disease, genetic testing can allow them to start treatment early and slow down disease progression. Parkinson's disease is usually diagnosed when motor symptoms appear. At that stage the disease is already quite advanced with many dopamine receptors in specific regions being lost already. Clinical genetic testing at Eurofins can help with early management of the disease, even before motor symptoms appear. Diagnosis via identification of particular mutations responsible for Amyotrophic Lateral Sclerosis (ALS) and Huntington's disease are also available at Eurofins.



Eurofins Clinical Diagnostics finding new ways

1. NEURODEVELOPMENTAL DISORDERS

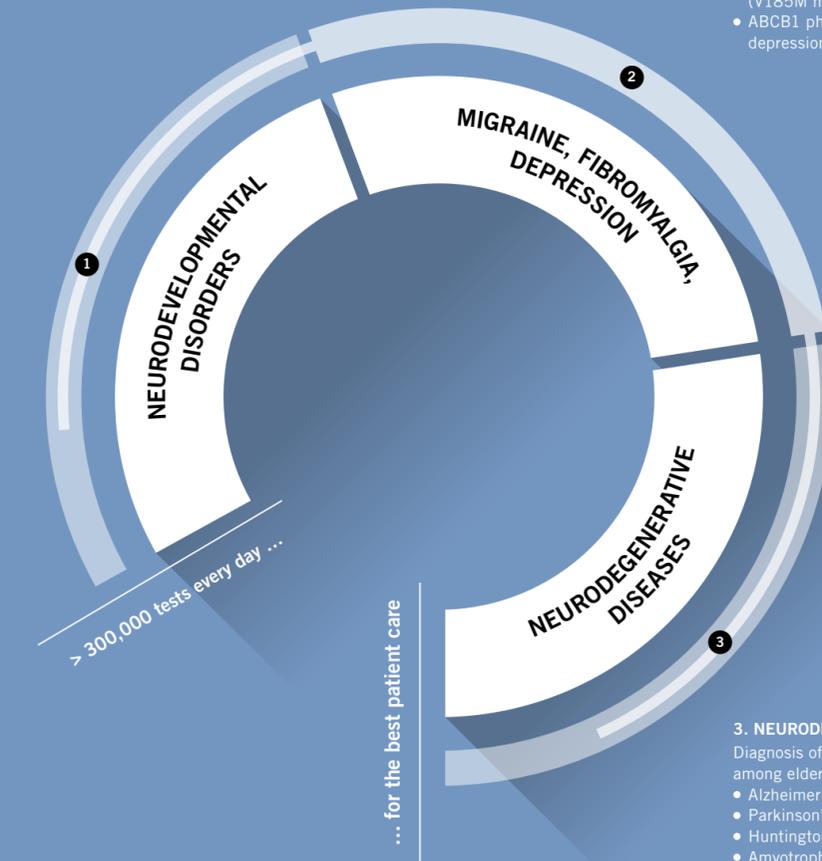
Genetic diagnosis of neurological diseases affecting children and young individuals:

- Attention deficit hyperactivity disorder (ADHD)
- Autism spectrum disorders (ASDs)
- Learning disabilities
- Intellectual disability (ID)
- Behavioral disorders
- Motor disorders
- Cerebral palsy
- Vision/Hearing impairment
- Neurotoxicants influence (heavy metals, dioxins, PBDEs and PCBs)

2. MIGRAINE, FIBROMYALGIA AND DEPRESSION

Testing for better management of diseases:

- Genetic panels and DAO enzyme analysis to help in migraine diagnosis and management
- Genetic diagnosis of fibromyalgia (V185M mutation in COMT gene)
- ABCB1 pharmacogenetic test to optimise depression treatment



3. NEURODEGENERATIVE DISEASES

Diagnosis of diseases with high prevalence among elderly population:

- Alzheimer's disease and other dementias
- Parkinson's disease
- Huntington's disease
- Amyotrophic lateral sclerosis (ALS)