

EU General-Purpose Electronystagmography



Overview

Electronystagmography (ENG) is a diagnostic test to record involuntary movements of the eye caused by a condition known as. It can also be used to diagnose the cause of, or dysfunction by testing the. Electronystagmography is used to assess voluntary and involuntary. It evaluates the and the (CN III). The ENG can be used to determine the origin of various eye and ear disorders.

AI Overview

Electronystagmography (ENG) is a widely used diagnostic method in Europe for evaluating vestibular and ocular motor function, particularly in patients with dizziness or balance disorders. Clinical Principles and Applications ENG is a neurological and otolaryngological test that records rapid eye movements using electrodes placed around the eyes to assess the vestibular and ocular motor systems. It evaluates the vestibulo-ocular reflex, saccades, smooth pursuit, optokinetic responses, and fixation stability, providing objective data on balance and eye movement function. ENG is primarily indicated for patients experiencing vertigo, dizziness, or equilibrium disturbances, and it helps identify peripheral or central vestibular dysfunction and the affected side. During testing, patients may be asked to follow moving visual targets, undergo positional maneuvers, or receive caloric stimulation (warm or cold water/air in the ear) to induce nystagmus, which is then recorded and analyzed. ENG remains valuable despite the rise of videonystagmography (VNG), which uses infrared cameras for eye movement recording and offers higher resolution and comfort. Technological Advancements In Europe, ENG technology is evolving with AI-powered signal analysis, IoT-enabled remote diagnostics, and portable devices that allow out...

Article Content

Electronystagmography

Electronystagmography is defined as the recording of corneo-retinal potentials to confirm the presence of nystagmus, involving the placement of electrodes around the eyes to assess eye movement

General-purpose artificial intelligence

General-purpose artificial intelligence General-purpose artificial intelligence (AI) technologies, such as ChatGPT, are quickly transforming the way AI systems are built and deployed.

Article 53: Obligations for providers of general-purpose AI models | AI ...

Providers of general-purpose AI models who do not adhere to an approved code of practice or do not comply with a European harmonised standard shall demonstrate alternative adequate means of

EU's General-Purpose AI Obligations Are Now in Force, With New

The EU AI Act's obligations on general-purpose AI providers have now come into force alongside the publication of new guidance, a code of practice and a disclosure template.

Guidelines on the scope of obligations for providers of general-purpose ...

These guidelines focus on the scope of the obligations for providers of general-purpose AI models laid down in the AI Act, in light of their imminent entry into application on 2 August 2025.

Data Act

The Data Act is a comprehensive initiative to address the challenges and unleash the opportunities presented by data in the EU, emphasising fair access and user rights, while ensuring

Electronystagmography and Videonystagmography

Electronystagmography (ENG), videonystagmography (VNG), and rotation testing measure nystagmus to provide objective assessment of the function of the vestibular system. The

General-purpose AI models: The European

Despite industry pressure and its previous signals, the European Commission confirmed the EU Artificial Intelligence Act will take effect for

Electronystagmograph

This chapter discusses the purpose, principle, specifications, and applications of electronystagmography. Electronystagmography (ENG) is a test that is designed to evaluate eye

Regulation

Regulation (EU) 2018/1725 of the European Parliament and of the Council of 23 October 2018 on the protection of natural persons with regard to the processing of personal data by the Union institutions,

EU AI Act Omnibus 2026-Article 53 GPAI Copyright Compliance

Introduction : On 7 May 2026, negotiators from the European Parliament, the Council of the European Union, and the European Commission reached a provisional political agreement on the

Chapter 4 Electronystagmography and Videonystagmography

Electronystagmography and Videonystagmography ements and has been in clinical use for over 50 years. It has been widely used as a diagnostic t ol to evaluate patients with dizziness or

EU Releases Final Code of Practice for General-Purpose AI Models

On July 10, 2025, the European Commission (EC) published the final version of the General-Purpose AI Code of Practice (Code). This voluntary instrument provides guidance on how providers of general

The AI Act Explorer | EU Artificial Intelligence Act

The scientific panel of independent experts (the Scientific Panel) is a body established under the EU AI Act to support the enforcement of rules on

General-Purpose AI Models in the AI Act – Questions

General-purpose AI models play an important role in that regard, as they can be used for a variety of tasks and therefore form the basis for a range of

General-purpose AI obligations under the AI Act

General-purpose AI models (GPAI) are the foundation for many different AI systems. To ensure safe and transparent AI, the AI Act sets obligations for all providers of GPAI models and

Latest wave of obligations under the EU AI Act take effect: Key ...

Obligations for providers of general-purpose AI models As of August 2, 2025, providers of certain GPAI models (models which display significant generality and are capable of competently

Guidelines for providers of general-purpose AI models

The Commission has issued guidelines to clarify the scope of the obligations for providers of general-purpose AI models under the AI Act. These obligations entered into application on 2 August 2025.

Electrophysiological measurement of the visual system: advances ...

Abstract Physiological assessment of the visual system uses techniques that provide objective insight into its functioning. This review examines four primary electrophysiological methods:

Electronystagmography

Electronystagmography (ENG) is a diagnostic test to record involuntary movements of the eye caused by a condition known as nystagmus. It can also be used to diagnose the cause of vertigo, dizziness or balance dysfunction by testing the vestibular system. Electronystagmography is used to assess voluntary and involuntary eye movements. It evaluates the cochlear nerve and the oculomotor nerve (CN III). The ENG can be used to determine the origin of various eye and ear disorders.

Exporting dual-use items

Dual-use items are goods, software and technology that can be used for both civilian and military applications.

Electronystagmography | Springer Nature Link

Electronystagmography (ENG) is a test that measures horizontal and vertical eye movements. It is somewhat difficult to perform, and in the United States has largely been replaced by

Commission publishes guidelines for providers of general-purpose AI ...

The European Commission has published guidelines to assist providers of general-purpose AI models in meeting the AI Act's obligations kicking in on 2 August 2025.

Electronystagmography (ENG): What You Need to

Electronystagmography, or ENG, is a test that measures how well the nerves inside your brain are working by examining your eye movement.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.sphplantsales.co.za>

Email: info@sphplantsales.co.za

Phone: +27 64 827 3915

Address: Unit 9, Highveld Technopark, 43 Atlas Road, Johannesburg, 2196,
South Africa

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