

temnography.com



Temnograph Encephalic Subcranic

**TEMNOGRAPHY:
THE NEW HORIZON OF DIAGNOSTIC**

Fast, mobile and safe

www.ttcldiagnostic.com



TEMNOGRAPHY®

HELPS CLINICIANS SAVE
MORE LIVES AND REDUCE
DISABILITIES.

Here's how it works:

Tissue and detection: The electromagnetic fields, generated by microwaves, propagate through tissues undergoing complex alterations generated by reflections, refractions, and phase angle changes, considered in both the time and space domains. These perturbations alter the characteristic imprint of the healthy brain and are captured by the Temnograph, which uses them as a radar to determine the presence or absence of the sought-after lesions.

Safe: TES is non invasive, does not employ ionizing radiation and exam can be repeated with no limits. TES utilizes very low-power energy, the intensity and duration of exposure are kept at minimal levels to ensure the safety of both patients and operators.

Fast and Easy: TES technology, through its detection process, directly yields the exam result as a simple "YES" if the target brain lesion is present or "NO" if it's absent. It doesn't require interpretation by an expert user. The result shows the location of the lesion detected.

R. Solimene, B. Basile, J. Browne, A. Cuccaro, A. Dell'Aversano and G. Ruvio, "An Incoherent Radar Imaging System for Medical Applications," 2021 IEEE Conference on Antenna Measurements & Applications (CAMA), Antibes Juan-les-Pins, France, 2021, pp. 493-498, doi: 10.1109/CAMA49227.2021.9703549.

THE ADVANTAGES OF TEMNOGRAPHY®



1

FAST

5 minutes
per test



2

PORTABLE

Small size, light,
transportable



3

SAFE

No-ionizing
radiation and very
low power



4

RELIABLE

Very High specificity
and sensibility



TES A

Gives **faster identification** of **brain hemorrhage ongoing** in stroke and other cases of possible risk of brain bleeding presence with a **YES/NO result**.

TES A can be used **where the patients are**.

TES HT

Gives **fast brain lesion detection screening** in head trauma and other cases of possible **damage of brain**, providing a **YES/NO result**. TES HT can be used **where the patients are**.



TES was granted a patent in 2016 as a technology and in 2018 as a medical device.

TES has certifications:

CE Medical Devices Class I

TUV 60601-1-2 IEC

ISO 13485-2017

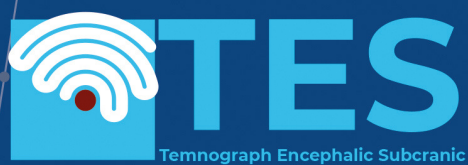
THE MOST SUITABLE DEVICES FOR ALL POTENTIAL CASES OF EMERGENCY AND SCREENING

- Departments of Neurology and Neurosurgery
- Emergency vehicles such as ambulances, helicopters and mobile clinics
- First aid centers
- Hospitals and clinics
- Rehabilitation clinics
- Departments of Cardiology, Intensive Care and Traumatology





Detect now
Save lives



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