

Groundbreaking electromagnetic brain imaging solution



Safe and rapid stroke assessment and monitoring that complements MRI and CT, bringing stroke diagnosis closer to symptom onset

IN-AMBULANCE BRAIN IMAGING FOR TRIAGE OF STROKE PATIENTS



EMTensor *BrainScanner* allows paramedics to quickly scan a patient's brain in the ambulance before transportation, within 10 minutes of arrival at the scene. A 3D image is transferred wirelessly to a neurologist or radiologist for immediate diagnosis. This allows quick triage of the stroke patient and early initiation of stroke treatment.

This solution reduces transfer time and costs by the correct routing based on a clinical decision.

EMTensor BrainScanner A Model for ambulances.

- Not yet FDA cleared or CE marked.

- Available for customization and integration into emergency vehicles.

COMPLEMENTARY BEDSIDE BRAIN IMAGING SOLUTION



EMTensor *BrainScanner* is a unique, small, and cost-effective imaging modality that complements MRI and CT in diagnostic and management of stroke.

EMTensor BrainScanner is a cost-saving bedside brain imaging solution for the general hospital environment, including (but not limited to) the emergency room, intensive care unit, and radiology department.

- Can be positioned anywhere in the hospital, bringing brain imaging to the patient and thereby avoiding the complications, risks, time, and costs of moving a sick patient to an MRI or CT scanner.
- Rapid set-up and scanning ability saves time during the scanning process, quickly providing results.
- Can be operated by a team of two trained personnel without the involvement or supervision of highly qualified radiologists.
- Allows 24/7 in-hospital head scanning capabilities, promoting efficient time management.

EMTensor *BrainScanner* **H** Model for in-hospital settings.

Not yet FDA cleared or CE marked.
Available for clinical studies.

CONTINUOUS BRAIN IMAGING FOR STROKE MONITORING



As a safe and comfortable device with a fast scanning procedure, EMTensor *BrainScanner* provides radiologists and neurologists with a series of 3D images continuously throughout an observation period.

- A radiologist or neurologist can remotely view the scans at any time.
- ICU teams can use EMTensor *BrainScanner* in "monitoring mode" to provide alerts when a patient's condition changes. This will facilitate management of adverse effects of interventions.
- The device can be used in a stroke patient's room or in the ICU and as part of rehabilitation process.

EMTensor BrainScanner FN Model for in-hospital setting

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- Available for clinical studies.



The products are under clinical investigation. The products are not available for sale in the USA and worldwide.

PRODUCT FEATURES

Our unique and patented technology has empowered us to develop this novel medical imaging device. As the smallest among all available brain tomographic imaging technologies, EMTensor *BrainScanner* is very compact and maneuverable. It can be brought to the stroke patient, eliminating the need for intrahospital transportation of unstable patients. Without ionizing radiation, EMTensor *BrainScanner* eliminates exposure to harmful radiation and reduces the risk of injury to patients and clinical staff. It fits into the limited space of an ambulance or emergency room and is easily accommodated in an intensive care unit. As a complement to MRI and CT, EMTensor *BrainScanner* enables 24/7 head scanning.

Cost-effective

Based on unique technology, this novel medical imaging device is the smallest of all available brain scanning technologies. Its cost-effectiveness will enable healthcare organizations to manage strokes from onset of symptoms until and including rehabilitation, reducing hospital length of stay and in-patient care costs.

Does not require expensive consumables or contrast agents and only requires a single-use patient cap filled with soft matching gel.

A true bedside brain imaging solution

Can be positioned and used next to a standard patient bed or an emergency room trolly, eliminating the need to move an unstable patient.

Easy-to-operate and maneuver

A team of two nurses or paramedics can perform the scanning procedure after just 1 day of training. Radiologists can remotely review the 3D images at a workstation or tablet.

Set-up time is less than 10 minutes

The scanner acquires data in less than a second. These data are reconstructed into 3D images and become available to a radiologist within 7 to 10 minutes. EMTensor *BrainScanner* is DICOM-compatible and can be integrated into a hospital's PACS.

No power adaptors are required

Can be powered by a standard mains electricity supply or by an ambulance's power supply.

Safe to use

Because our technology does not emit harmful radiation, a patient can safely undergo multiple studies and there is no danger to medical staff from repeated radiation exposure. In addition to these safety benefits, there are also cost benefits because an isolated room or protective shields are unnecessary.

Patient friendly

It is quiet, even during the scanning process, and has no claustrophobic effects. The scanning procedure is effective and safe for all patients, including pregnant women and obese patients.

NO LIMITATIONS



Ohese



Infant

Pregnant

Claustrophobic





Old







Average Man

Average Woman



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