

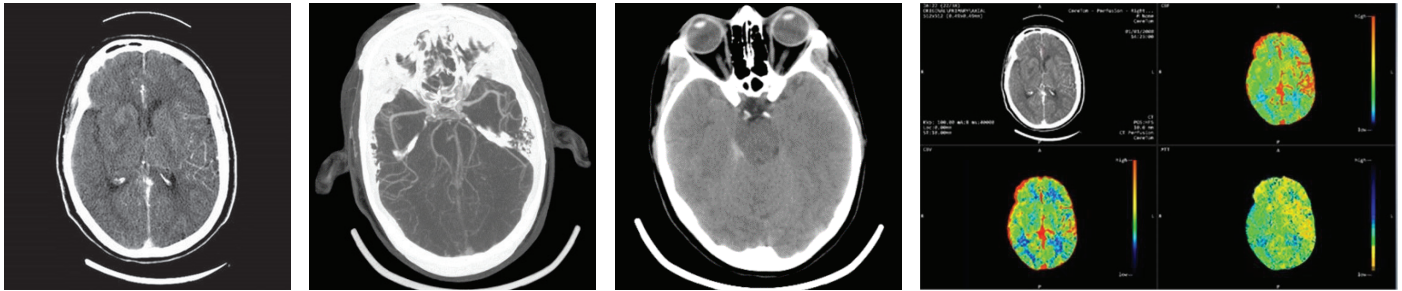
CereTom[®]-Equipped Mobile Stroke Unit



CereTom[®] -Equipped Mobile Stroke Unit

Samsung NeuroLogica's innovative solution brings the ER to the patient, saving time and saving lives.

Approximately 87% of strokes are ischemic and could be treatable with tPA if administered within 3 hours. Reducing time to treatment is critical to the health of a stroke patient. Samsung NeuroLogica developed the world's first mobile stroke ambulance equipped with a CereTom CT scanner. CereTom produces real-time, high-quality low contrast images at the site of triage. Diagnosis onsite can reduce time to tPA treatment or transport to a comprehensive stroke center by up to 33%.¹



CereTom 8-slice mobile CT is designed from the ground up for ambulance use:

Small footprint

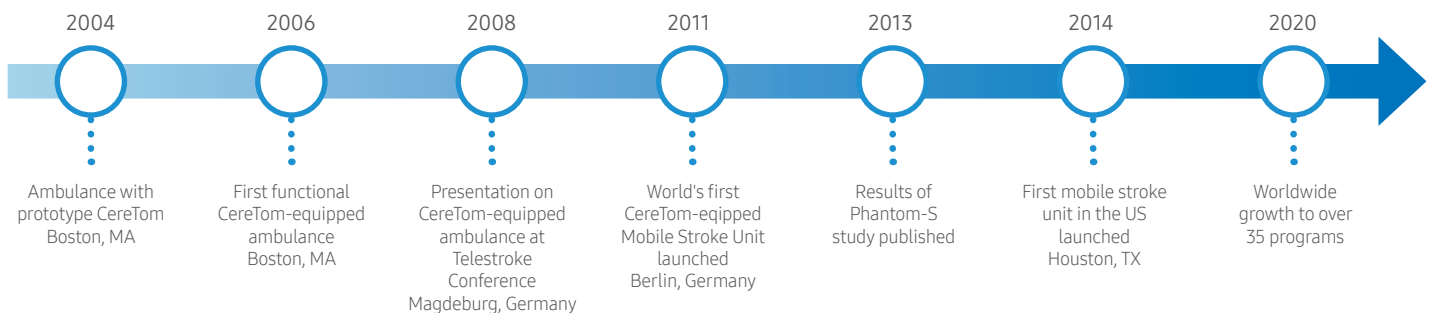
- Stays out of the way until needed, allowing for movement inside the vehicle
- Does not necessitate increasing the size of the ambulance

Powerful imaging, low powered device

- IAC CT accredited for image quality²
- Extremely low radiation scatter
- 1300 watts peak off 120v standard wall plug

Rugged and reliable

- Precise engineering in a small package to reduce harm to the machine from shaking, idling, and sudden movements
- Crash test certified vehicles



1. Pre-hospital, C. (2017). Reduction in time to treatment in prehospital telemedicine evaluation and thrombolysis. Cerejo, R., John, S., Buletko, A. B., Taqui, A., Itrat, A., Organek, N., ...Hussain, M. S. (2015). A Mobile Stroke Treatment Unit for Field Triage of Patients for Intraarterial Revascularization Therapy. *Journal of Neuroimaging*, 25(6), 940–945. <https://doi.org/10.1111/jon.12276>

2. Gutiérrez, J. M. J., Emery, R. J. R., Parker, S. A. S., Jackson, K., & Grotta, J. C. (2016). Radiation Monitoring Results from the First Year of Operation of a Unique Ambulance-based Computed Tomography Unit for the Improved Diagnosis and Treatment of Stroke Patients. *Health*. Retrieved from http://journals.lww.com/health-physics/Abstract/2016/05002/Radiation_Monitoring_Results_from_the_First_Year.5.aspx