

Stroke is an emergency!

In Germany, a stroke occurs every three minutes, and it turns out to be lethal for about every third patient. A further third survives with severe disabilities. Anyone can have a stroke, but the risk increases with age. Due to demographic changes in our society, direct costs of medical treatment are estimated to exceed 100 billion Euro in Germany over the next two decades.



... time is **brain!**

There is an efficient, but high-risk therapy (thrombolysis) for the most frequent type of stroke. However, this therapy can only be applied by experienced doctors (ideally stroke unit specialists) within three hours after symptom onset and only after a computed tomography (CT) of the head has been completed. Therefore currently only 3 % of all patients receive thrombolytic therapy.

This holds especially for rural areas as e.g. the north of Saxony-Anhalt, where the therapy is currently not available. Therefore, emergency treatment of stroke patients is of immense importance: reliable diagnosis of the condition by the EMS, choice of a suitable hospital, and early involvement of the hospital in the emergency treatment pathways have the potential to considerably improve the quality of medical care.

Information about the event

The innovation forum is organized by the InnoMed e.V. (Network for Neuromedical Technology) and by the Chair of Medical Telematics at the University of Magdeburg, in cooperation with the Departments of Neurology and Neuroradiology.

Start: Thursday, 14. February 2008 - 1:00 pm
End: Friday, 15. February 2008 - about 2:00 pm
Location: Kulturwerk Fichte
Fichtestr. 29 / 29a
39112 Magdeburg
www.kulturwerk-fichte.de

Service charge: 50 Euro
For InnoMed members: 25 Euro

Please find further information on registration / travel / accommodation and the most recent program at www.telestroke.net/aster

Contact

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**Akut-Schlaganfallversorgung -
TElemedizin im Rettungswagen**

Acute Stroke Care - Telemedicine in the Ambulance

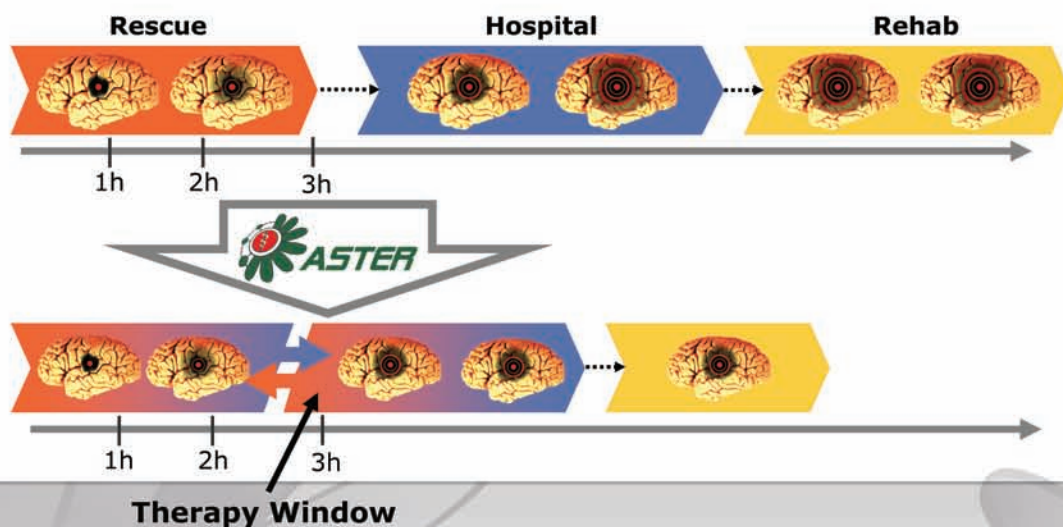


Objectives of the ASTER project

Within the framework of the ASTER project, strategies for the optimization of medical care for stroke patients are developed – especially in the emergency medical service (EMS). ASTER is guided by the objective to make available the expertise of a stroke unit in ambulance cars. ASTER investigates the telemedical technology concept of an “intelligent ambulance” and develops efficient scenarios in cooperation with emergency service providers, medical doctors and health insurances. A further objective of the project is to devise technical solutions for telemedicine in ambulance cars. Planning and realization will involve specialized SMEs present in Saxony-Anhalt in order to achieve sustainable economic effects for the region.

Objectives of the innovation forum

The objective of the innovation forum is to initiate a network of industrial companies, institutions (emergency service providers, statutory health insurances, associations of medical doctors) and hospitals, as well as to foster public discussion of our concepts and solution approaches.



Agenda of the innovation forum

- Medical background of stroke
- Stroke treatment: from emergency call to therapy
- Telemedical solutions in hospitals and emergency medical service
- Telemedical concepts and scenarios for ambulances
- Technological challenges and solutions
- Live demonstration
- Concept of a pilot study for the evaluation of telemedicine in ambulance cars
- Telemedical projects in Saxony-Anhalt
- Telemedicine from the viewpoint of health insurances and the association of medical doctors

Speakers

- Dr. R. Haseloff, Minister for Economic Affairs, Magdeburg
- H. P. Hiepe, Head of Division, Fed. Ministry for Education and Research
- Prof. Dr. K. E. Pollmann, Magdeburg
- Prof. Dr. B. Griewing, Bad Neustadt
- U. Kippnich, Bad Neustadt
- Dr. C. McDonald, Boston
- Prof. Dr. M. Raith, Magdeburg
- Prof. Dr. P. Sefrin, Würzburg
- Prof. Dr. M. Siebler, Düsseldorf
- Prof. Dr. C.-W. Wallesch, Magdeburg

ASTER competency

ASTER is part of the activities in the area of stroke research at the neuroscience research center in Magdeburg.

The chair of Medical Telematics at the Otto von Guericke University Magdeburg and the InnoMed e.V. gather excellent competencies in the area of telemedicine.

The InnoMed e.V. possesses thorough experiences in building up and coordinating networks and has excellent contacts to the local economy.

Furthermore, one of the biggest manufacturers of ambulance cars in Germany is located in this region.

