Researchers find major inequalities in acute stroke treatment across Europe

Every year, up to 1.3 million people in Europe suffer a first stroke. Acute stroke treatment strategies such as acute treatment of patients in a stroke unit, intravenous thrombolysis and endovascular treatment significantly improve the outcome for patients with ischaemic stroke and thus reduce its socioeconomic burden. However, reliable data on access to and delivery of acute stroke treatment strategies throughout Europe are lacking.

The European Stroke Organisation (ESO), the European Society of Minimally Invasive Neurological Therapy (ESMINT), the European Academy of Neurology (EAN) and the patient organisation Stroke Alliance for Europe (SAFE) have therefore surveyed stroke experts from 44 of 51 European countries on the best available information regarding national access to and delivery rates of acute stroke unit care, intravenous thrombolysis, and endovascular treatment.

The results of this survey identify major inequalities in acute stroke treatment, with many countries reporting rates that were far below highest country rates. This article shows in which countries patients still have no or obviously inadequate access to appropriate acute stroke treatment.

According to Urs Fischer, Professor for Acute Neurology and Stroke at the University Hospital Bern, up to 226,662 additional patients could be treated with intravenous thrombolysis and an additional 67,347 with endovascular treatment each year. “Many stroke victims in Europe still have no access to acute stroke treatment,” he said. “If stroke unit care, intravenous thrombolysis and endovascular therapy would be routine practice throughout Europe, many more victims could survive their stroke without a major handicap”. According to Prof. Fischer, these inequalities not only have a major impact on the patients, but also on their families and the socioeconomic burden. “Recent studies have shown, that acute stroke treatment is highly cost effective – if you treat your patients right, you will not only improve the quality of life of the patient and his family, you will also save money for your society”, he said. Therefore, efforts have to be done to increase the number of stroke units, intravenous thrombolysis and endovascular stroke therapy. “We have to talk to governments, politicians, health care specialists and stroke physicians in order to set up and improve the system in regions, where acute stroke treatment is lacking”

In May 2018, ESO and SAFE presented the Stroke Action Plan for Europe to set achievement goals for stroke care by 2030. This survey already provided important insights for the Stroke Action Plan authors. The findings from this survey are relevant for future health-care planning in Europe and beyond.

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