Dokumenttyp: journal article

Autor(en) des Beitrags: Etgen, T; Freudenberger, T; Schwahn, M; Rieder, G; Sander, D

Titel des Beitrags: Multimodal strategy in the successful implementation of a stroke unit in a community hospital.

Abstract: Etgen T, Freudenberger T, Schwahn M, Rieder G, Sander D. Multimodal strategy in the successful implementation of a stroke unit in a community hospital. Acta Neurol Scand: 2011: 123: 390-395. © 2010 John Wiley& Sons A/S. Objectives - Thrombolysis in stroke remains underutilized in daily practice. We analyzed the impact of a multimodal strategy on the rate of thrombolysis and specific procedure times during the implementation of a community hospital stroke unit. Material and methods - During a period of 2 years before and after implementation of a stroke unit, we prospectively recorded all patients with thrombolysis and specific procedure times. Calculated door-to-needle time (DNT), door-to-CT time (DCT) and CT-to-needle time (CNT) were analyzed. All structural changes before and after the implementation were analyzed. Results - The number of patients with thrombolysis increased from 24 in 2005-2006 (4.8% of all admitted patients with ischemic stroke) to 95 in 2007-2008 (12.8%). DNT was significantly reduced from 62.2 ± 36.1 to 38.5 ± 22.2 min (P< 0.001). DCT remained unchanged at 10.3 ± 9.5 to 10.4 ± 13.9 min (P = 0.974), whereas CNT improved from 45.7 ± 23.1 to 28.3 ± 20.3 min (P = 0.001). Several structural changes concerning staff, logistics, procedures and laboratory were identified which contributed to decreasing DNT. Conclusions - A multimodal strategy including several structural changes enables the
successful implementation of a community hospital stroke unit offering rapid access to thrombolysis with a very short DNT.

Zeitschriftentitel / Abkürzung:
Acta Neurol Scand

Jahr:
2011

Band:
123

Heft / Issue:
6

Seiten:
390-5

Sprache:
eng

Pubmed:

Print-ISSN:
0001-6314

TUM Einrichtung:
r Psychiatrie und Psychotherapie; Neurologische Klinik und Poliklinik

Occurences:
- Einrichtungen > Fakultäten > Fakultät für Medizin > Kliniken und Institute > Klinik und Poliklinik für Psychiatrie und Psychotherapie > 2011
- Einrichtungen > Fakultäten > Fakultät für Medizin > Kliniken und Institute > Neurologische Klinik und Poliklinik > 2011

entries: