

UniversitätsKlinikumHeidelberg **Klinikum Frankfurt Höchst**

## Definition, epidemiology and modern emergency management of hemorrhagic stroke, aSAH and ICH

Thorsten Steiner  
 Department of Neurology, Klinikum Frankfurt Höchst, Germany  
 Department of Neurology, Heidelberg University Hospital, Germany  
 Department of Clinical Medicine Copenhagen University, Denmark

Thorsten Steiner 10th EAN/AFAN RTC, Antananarivo, 24.-26.10.2018

UniversitätsKlinikumHeidelberg **Klinikum Frankfurt Höchst**

## What is „hemorrhagic stroke“?

= intraparenchymal hemorrhage

Thorsten Steiner 10th EAN/AFAN RTC, Antananarivo, 24.-26.10.2018

UniversitätsKlinikumHeidelberg **Klinikum Frankfurt Höchst**

## Global and regional burden of stroke during 1990-2010: findings from the Global Burden of Disease Study 2010

Thorsten Steiner Krishnamurthi, R V et al. Neuroepidemiology, 2015; 45 (3): 190-202  
 10th EAN/AFAN RTC, Antananarivo, 24.-26.10.2018

UniversitätsKlinikumHeidelberg **Klinikum Frankfurt Höchst**

## Age-standardized incidence of hemorrhagic stroke per 100 000 person-years for 1990 (a), 2005 (b), 2010 (c)

increasing in low- and middle income countries

Thorsten Steiner Feigin, V L et al. Lancet, 2014; 383 (9913): 245-54  
 10th EAN/AFAN RTC, Antananarivo, 24.-26.10.2018

UniversitätsKlinikumHeidelberg **Klinikum Frankfurt Höchst**

## Causes of death data in the Global Burden of Disease estimates for ischemic and hemorrhagic Stroke

Thorsten Steiner Truesden, T et al. Neuroepidemiology, 2015; 45 (3): 152-60  
 10th EAN/AFAN RTC, Antananarivo, 24.-26.10.2018

UniversitätsKlinikumHeidelberg **Klinikum Frankfurt Höchst**

## Fraction of ‘unspecified stroke’ assigned to the 3 types of stroke by GBD region in men aged 50–69 years

Thorsten Steiner Krishnamurthi, R V et al. Neuroepidemiology, 2015; 45 (3): 190-202  
 10th EAN/AFAN RTC, Antananarivo, 24.-26.10.2018

