



## AMIS Plus Newsletter Nr. 38 – July 2012

Dear Current & Potential AMIS Plus Participants & Sponsors

We are celebrating another milestone: the **40,000<sup>th</sup> patient** has been enrolled in the AMIS Plus registry! This success could only be achieved thanks to the painstaking work of all 80 participating hospitals and the unrestricted grants from the Swiss Heart Foundation and the industrial sector. We are greatly indebted.

Since 1997, this largest health care registry in Switzerland has enabled us to monitor and understand the use and practicability of knowledge gained from randomised trials and their translatability into everyday clinical life.

In this newsletter we will highlight what we have learnt so far from the AMIS Plus data.

The AMIS Plus databank is a treasure trove allowing us to analyse trends that influence the clinical course and mortality of ACS. So far we have learnt that age [1-2], gender [3-4], risk factors [5-7], comorbidities [8] and patient status [9-11] all have an impact on outcome. We also saw the effects that certain immediate drug therapies at admission have on complications and mortality of patients admitted with ACS and treated in Swiss hospitals [12-16].

Using the AMIS Plus data, the effects of hospital size, a public campaign on pre-hospital delay, and changing definitions on MI incidence and clinics could be traced [17-20].

AMIS Plus data were used not only to estimate the mortality risk of a myocardial infarction patient by creating a scoring system [21] but to describe the current situation of reperfusion therapy in Switzerland in a European study of 30 countries [22] as well as to estimate the cost of an ACS hospital stay [23].

Substantial changes have occurred in the presentation and treatment of patients admitted with myocardial infarction to Swiss hospitals between 1997 and 2012. Delay between symptom onset and hospital admission has not greatly changed but the time between hospital admission and treatment has importantly reduced [24]. Treatment of myocardial infarction patients in Switzerland underwent significant changes over the past 15 years in accordance with the recommended guidelines of evidence-based medicine and in-hospital mortality has subsequently halved [25].

We wish you all happy and relaxing summer days!

Yours sincerely

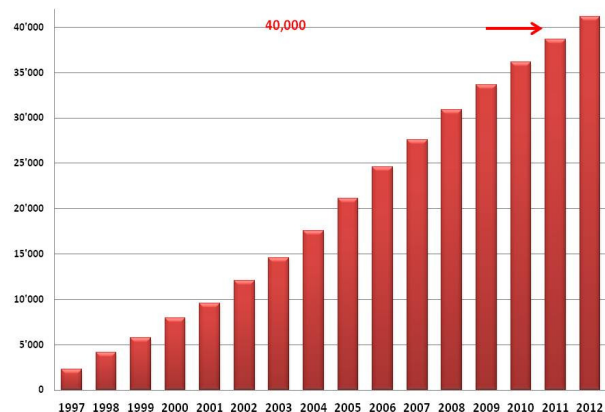
For the Steering Committee:

Prof. Paul Erne, MD  
President

For the Data Center:

Dragana Radovanovic, MD  
Head of the Data Center

Cumulative number of cases in the AMIS Plus Registry  
AMIS Data Center, Data status July 7<sup>th</sup>, 2012



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