

Newsletter September 2013

**THANK YOU FOR YOUR
CONTINUOUS SUPPORT!**
Please stay in touch.

Dear all,

I hope you all are doing well, had a great summer and are full of energy for the successful completion of this calendar year. Before we do that, I would like to present you how has 2013 been for us at INRO.

Overview of activities implemented in 2013

As we have completed the Austrian 'Prehospital project' in the end of 2012, we have reserved the year of 2013 for analyzing the project results and developing scientific publications to present our findings. Here is a summary of our activities in Jan.-Sept. 2013:

- In May 2013 Austrian Ministry of Health held a national conference for the health care experts where we have presented results of our Prehospital project



- Data cleaning and correction and overall preparation of the prehospital database for the analysis
- Scientific articles developed and submitted, the list is presented in this Newsletter under **Manuscripts**)
- Preparation of our participation in European project on traumatic brain injury CENTER-TBI that will start in October 2013
- We have attended the following **conferences**:
April: Central European Congress of Emergency Medicine – Senec, Slovakia
September: Traumatic Brain Injury Challenge, Wien, Austria

INRO People

Currently, the team of INRO consists of:

Alexandra Brazinova, MD, MPH, PhD – President of Board of Directors

Prof. Walter Mauritz, MD, PhD – Vicepresident of Board of Directors

Research fellows:

Marek Majdan, DrPH, PhD
Johannes Leitgeb, MD
Veronika Rehorcikova, MS
Mag. Ingrid Wilbacher, PhD
Veronika Gonsorova, MS

Projects and activities

As a follow-up of the Prehospital project, in order to do the proper biostatistical analysis of the data, we had to prepare the database with clean data. This tedious work took us the first half of the year. Apart from this, we have also merged our existing ITCP database with the prehospital, having a larger data pool for the statistical analysis. Third database was developed from the Statistic Austria data on brain trauma mortality in Austria in 1980-2012.

As mentioned in the Overview, we are preparing our participation in European project on traumatic brain injury CENTER-TBI that will start in October 2013 and is funded by the European Commission within Framework Programme 7. Our tasks within the project will be the following:

- Comprehensive description of TBI epidemiology in Europe and recommendations on international standardization of TBI mortality reporting
- Individualized early goal-directed therapy of haemostatic abnormalities in TBI

Manuscripts published/ submitted in 2013

Epidemiology of traumatic brain injury in Austria

Traumatic brain injury deaths in Austria 1980-2012

Early management of traumatic brain injury: factors that may improve outcomes

Timing and duration of intracranial hypertension versus outcome after severe traumatic brain injury

External validation of IMPACT, CRASH and Jacobs models for prognosis of six months outcome using the Austrian INRO-PH database of patients with severe TBI

Predictive value of GCS motor score and pupillary reaction in patients with TBI assessed in the field vs. in trauma room

Location matters: an analysis of traumatic brain injury patterns and outcomes by place of injury.

Long term trends and patterns of fatal TBI in the pediatric and adolescent population of Austria: analysis of 33 years

Time of hospital admissions versus outcomes

Hospital admissions for traumatic brain injury in Austrian residents versus in visitors to Austria

Activities planned for the end of 2013

There are still several scientific questions that we are exploring currently and will prepare for publication by the end of this year:

- Long-term outcome data
- Incidence and mortality of TBI in Austria vs. Slovakia
- Economic effects of TBI

For part of this analysis we have received a small grant from **AUVA**.

We are also in contact with the Austrian Ministry of Health that is still planning to engage INRO **series of regional seminars for presentation of project outcomes** and their dissemination throughout Austria.



Conferences:

October: Public Health and Humanities – Trnava, Slovakia

Projects

- FP7 proposal
INRO participates in the Collaborative European NeuroTrauma Effectiveness Research in TBI (Center-TBI) within a consortium lead by Prof. Andrew Maas. The project starts in October 2013 and will last 7 years.



INRO Supervisory Board

Johannes Orsini-Rosenberg
Annie Laurie Auersperg Isham
Ralph Isham
Gobert Auersperg-Trautson
Vinzenz Auersperg
Martin Rusnak
Marie-Therese Rutherford
Isabelle Harnoncourt
Peter Quinn
Andrew Maas

Thank you for your attention.
All the best, looking forward to seeing you all soon

Sasha

Alexandra Brazinova, MD, MPH, PhD – President of Board of Directors

1. Oct 2013