

25



AMIS
Acute Myocardial
Infarction
in Switzerland

AMIS Plus

25

Anniversary

AMIS Plus Journey

Dragana Radovanovic

Berne, June 2nd, 2023

From Geneva to Zurich

25



AMIS
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Quality of Patient Care through a reliable database

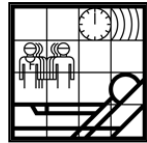
• Swiss Medical Society (Societas Medica Helvetica)
Internal Medicine, Interventional Cardiology

• Approved by SIKK (Swiss regional ethics
committees), Swiss Federal Commission for data
protection, all cantonal ethics commissions (see
below page)

**PIMICS: 1995/96,
AMI in 73 hospitals**

Quality of Patient Care through a reliable Database

- Swiss Medical Society Sponsors: Cardiology, Internal Medicine, Intensive Medicine



SGIM
SSMI

- Approved by UREK (supra-regional ethics committee), Swiss Federal Commission for data security, all cantonal ethic commissions (for follow-ups)

From Geneva to Zurich

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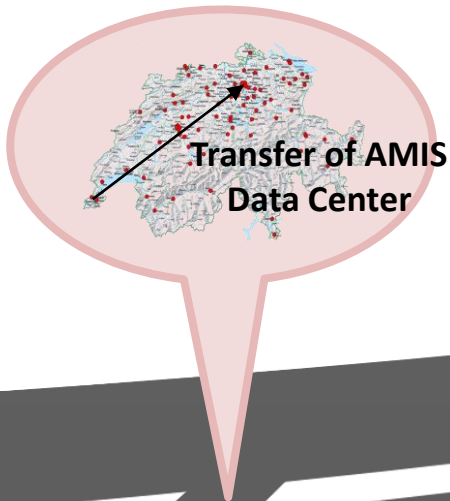
**AMIS: 1997,
in 50 hospitals**

Prof. A. Morabia &
Dr. M. Bernstein

Quality of Patient Care through a reliable database
- Swiss Medical Society (Société Médicale Suisse)
- Internal Medicine, Intensive Care Medicine
- Approved by 2004 Swiss regional ethics committees, Swiss Federal Commission for data security, all combined ethics commissions (for follow-up)

**PIMICS: 1995/96,
AMI in 73 hospitals**

**AMIS Plus: 2000,
AMI + UA, 20 hospital,
N = 5'533**



AMIS Plus questionnaire
revised 14 times
Number of variables
extended from 115 to > 380
4 IT data entry system
changes

Players



Hospitals

84 Hospitals
385 Study nurses and doctors entering the data

Steering Committee

Ehemalige Mitglieder

- Felix Gutzwiller
- Peter Siegrist
- Philipp Urban
- Franz Amann
- Walter Angehrn
- Julian Schilling
- Jean-Christophe Stauffer
- Stephan Windecker
- Patrick Hunziker
- Pierre-Frédéric Keller
- Jean-Michel Gaspoz
- Juan Iglesias
- Silvia Dehler
- Benoît Quatrecasald
- Edoardo Camenzind
- Manfred Essig

Data Center

Ehemalige Mitarbeiter

- Julian Schilling
- Chung-Yol Lee
- Nicole Duvoisin
- Christiane Nova
- Aydin Taskin
- Joëlle Keller
- Eveline Doukas Hollinger
- Caroline Bähler-Baumgartner
- Corine Mouton Dorey
- Nina Steinemann
- Nadja Fehr
- Claudia Beckmann
- Ramona Kumarasamy
- Nicola Olivito
- André Hüpli

Aktuelles Data Center

Sponsors

Current Sponsors:

Abbott AG, Amgen, AstraZeneca AG, B. Braun Medical AG, Boston Scientific AG, Cordis, Daiichi-Sankyo/Lilly (Schweiz) AG, Medtronic (Schweiz) AG, Novartis Pharma Schweiz AG, BMS, SIS Medical Distribution AG, Terumo, Vascular Medical GmbH

Previous Sponsors:

Aotec, Biotronik, Aventis Pharma, Roche Pharma, Santésuisse, SPSS Schweiz, Vision Stiftung, Boehringer Ingelheim, Jomed, MCMmedsys, GlaxoSmithKline AG, Guidant, Johnson & Johnson, Servier (Suisse) SA, Sanofi-Aventis, Takada Pharma, Invatec, A. Menarini, St. Jude Medical, GE Healthcare, Mepha Pharma AG, MSD, Procamed, Working Group for Interventional Cardiology

Founding Sponsors:

Swiss Heart Foundation, AstraZeneca, Bristol-Myers Squibb, Merck Sharp & Dohme-Chibret, Pfizer

Hospitals

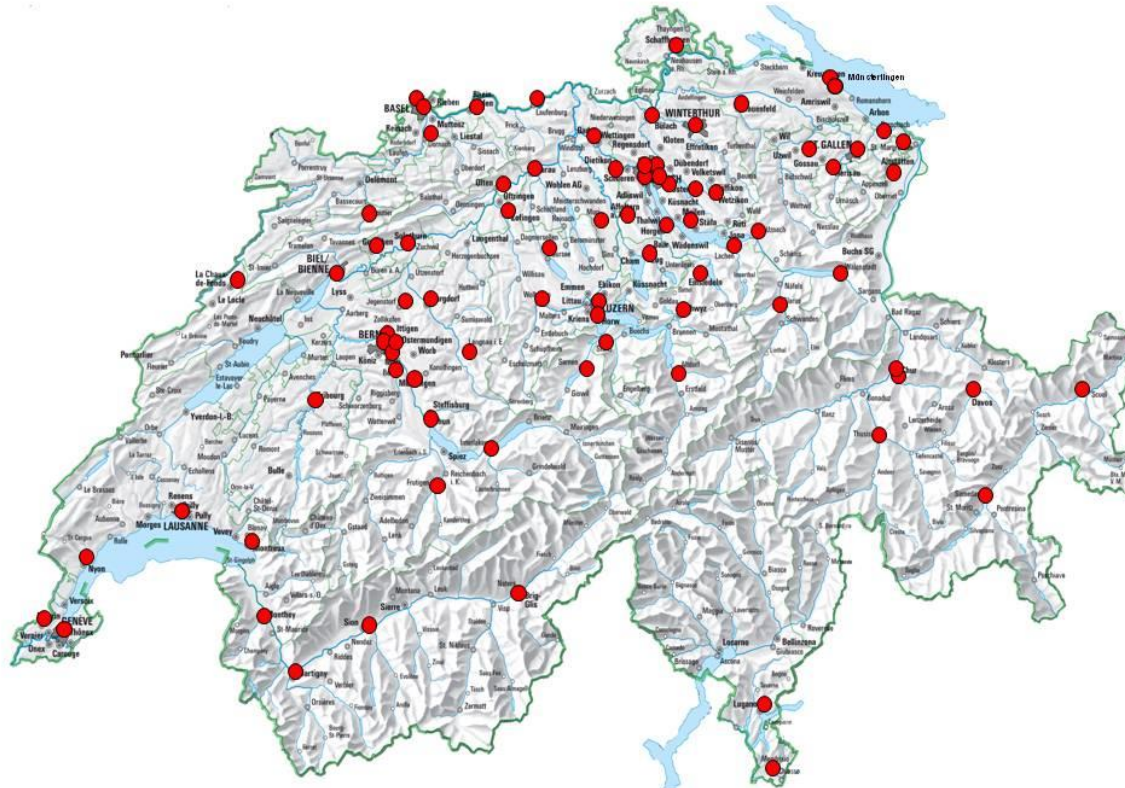
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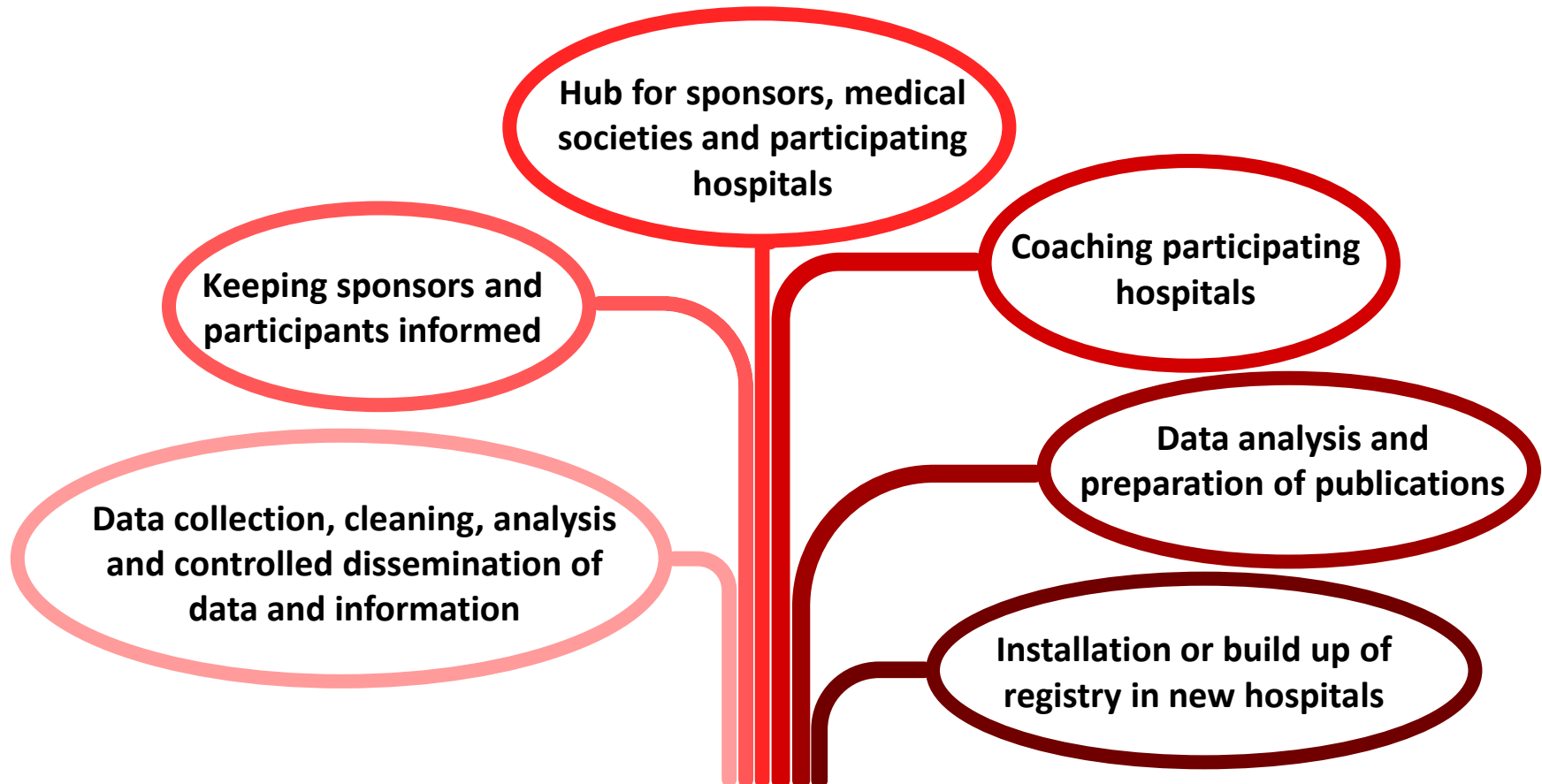
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The Role of the AMIS Plus Data Center



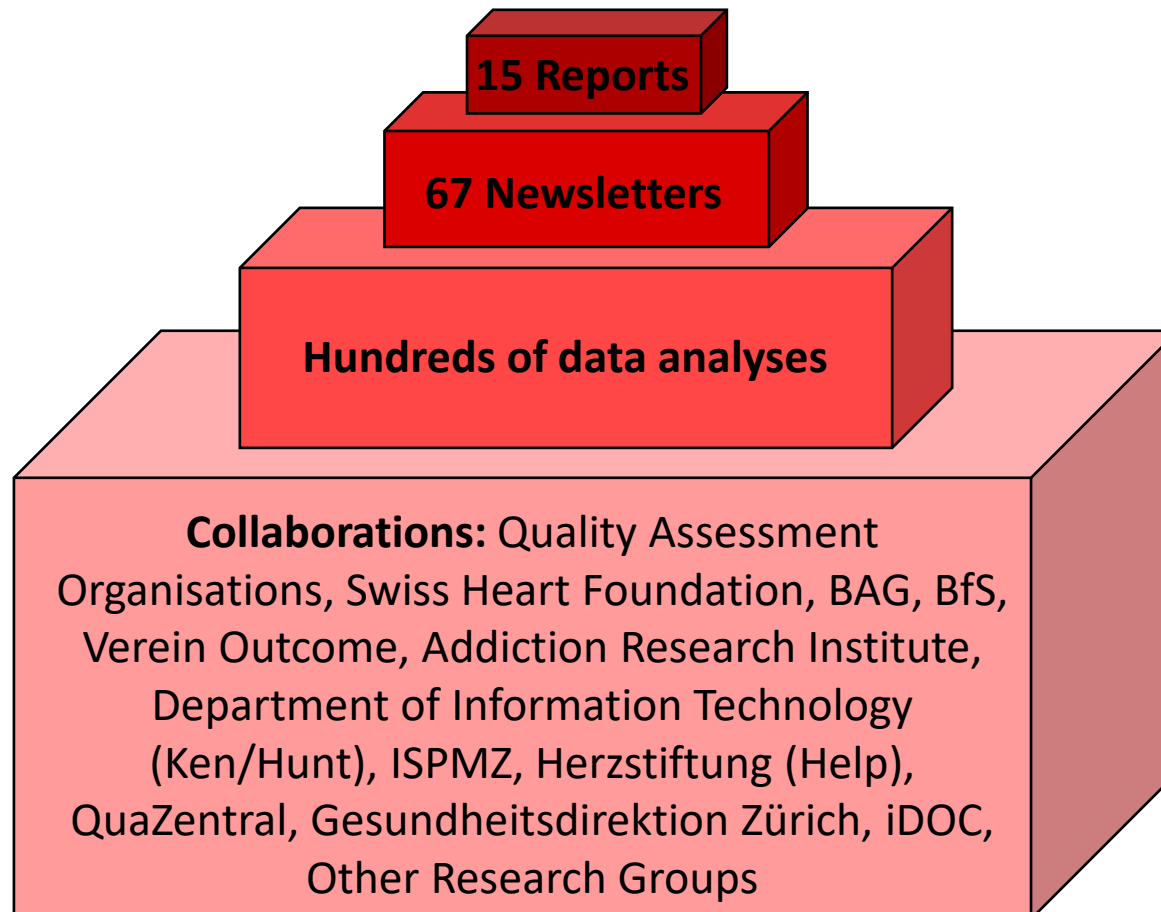
Data Center

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Data Center Output



Sponsors



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Since last year, we are also the recipients of 5 years of government funding from the Federal Office of Health in recognition of the importance of AMIS Plus as a non-communicable disease registry!

AG, MSD, Procamed, Working Group for Interventional Cardiology

Founding Sponsors:

Swiss Heart Foundation, AstraZeneca, Bristol-Myers Squibb, Merck Sharp & Dohme-Chibret, Pfizer

Where are we now?

73'000 Patients

14'654 Follow-ups

Analyses



Impact on course and mortality of AMIS

- **Of patients**
 - Gender
 - Age
 - Risk factors
 - Laboratory parameters
 - Comorbidities
 - Cardiac shock
- **Of therapies**
 - Immediate medication
 - Reperfusion
 - Statins
 - Beta blocker
 - Interventional treatment of left main coronary artery
- **Of different circumstantial factors**
 - Changes of AMI definitions
 - Normal ECG at admission or pace maker
 - Working times in hospitals
 - Size of hospitals
 - Time delays
 - Impact of national campaign «HELP»
 - Several factors for risk assessment

Amis Plus Achievements

25

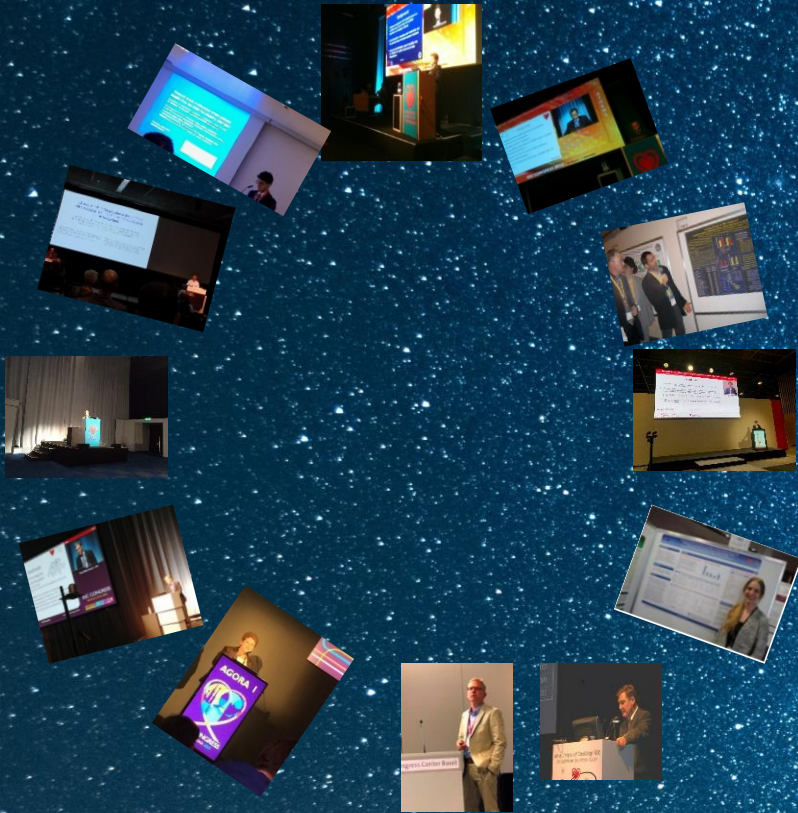


AMIS
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Amis Plus Achievements



173 Presentations at Congresses and Meetings



Amis Plus Achievements



173 Presentations at Congresses and Meetings
97 Publications, 82 Peer-reviewed



Amis Plus Achievements

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173 Presentations at Congresses and Meetings

97 Publications, 82 Peer-reviewed



6 Dissertations



3 Master Theses



1 Diploma



1 MPH Thesis



**Thank you
for your attention!**