# IMPLEMENTATION OF PLS PEDIATRIC LIFE SUPPORT SOUTHTYROL - HANNOVER

V Congresso Nazionale SIMEL The SIMEU/ACEP Emergency Medicine Congress



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> **ILCOR** Internationa Liason Committee on Resuscitation (World)

**EUROPE: ERC** European Resuscitation Council (1988) -Continental Guidelines for Europe

Other Continental Resuscitation Councils – other continental guidelines

ITALY: IRC **Italian Resuscitation Council** (founded 1994): Italian partner of ERC SIMEUP Italian Society of Paediatric **Emergency Medicine:** 

partner of IRC for paediatric guidelines and courses in Italy

GERMANY: ??? no national partner organisation of ERC

**GPRC** the German **PAEDIATRIC Resuscitation** Council was created in 2006

> Other continents

Italian Network for Paediatric Life

Support courses

**National Commission IRC-SIMEUP** 

**Regional Reference-Centers** (Trentino-South-Tyrol: c/o NICU Trento) **Local Training Centers** (Suedtirol: c/o White Cross)

**Extension of PALS/EPLS-courses** 

to Italy (2000) and Germany/Austria (2003/2004) (toghether 145.000.000 habitants)

South-Tyrol

population: 495.000 hab.

**Production:** 

**IRC-SIMEUP-Training Center** 

South-Tyrol (Partner of National Network)

Organizing Agency: White Cross (EMS)-

32 sections all over SouthTyrol with

centralised education

Hospitals, EMS-Associations,

Southtyrolean Health Department,

Southtyrolean School Department

PBLS: year 2006

100 courses, 2000 participants

(20% health care providers -80% population)

PALS/EPLS: 1998-2006:

32 courses – 640 participants

Germany:

no formal established network

24 EPLS-courses (2004-2006)

3 Course-Centers 2 course-organizer Hannover&Lower Saxony population: 6.000.000 hab.

**Production:** 

PICU Paediatric Intensiv Care Unit **Medical School Hannover** 

in cooperation: Paediatric Intensiv Care Network (PIN) -

16 Paediatric Clinics

School of Fireworkers Hannover

**DRK-Red Cross Emergency Medicine** School Goslar

Johanniter-St. John Emergency **Medicine School** 

> Hannover Organizing Agencies: PICU, DRK, Johanniter

**Customers:** Hospitals, EMS-Associations,

PBLS/EPLS 2004-2006 18 courses – 456 participants

#### Introduction:

## Transfer from Medical Science → Education → LOCAL Implementation

can be dealed by regional networks if epidemiological impact is aimed. We compare 2 regional Training networks for Paed. Life support in Italy & Germany linked by international cooperation.

### **Material & Methods:**

**Southtyrol** (3 official languages: German, Italian, Ladin (Raetoromanic)): Integration of Paediatric Life Support National Network (IRC Ital. Reuscitation Council/SIMEUP Ital.Soc.Paed. Emerg. Medicine) and Regional Education Network of local EMS Association White Cross linked by regional Reference-Center at Neonatology Trento. Interdisc. instructors of Paediatrics, Neonatology & Emerg. Medicine with physicians, nurses, paramedics. Start 1998: PBLS/PALS Paediatric Basic/Advanced Life Support. Since 2003 european version of PALS: EPLS European Paediatric Life Support/ European Resuscitation Council: export to Germany/Austria creating german speaking Instructors for reimport to Southtyrol.

**Hannover:** PICU network Lower Saxony: 16 Paediatric dep. coordinated by PICU Hannover. Joint CME & Critical Patient treatment. Intrahospital Resuscitation/Educational Management at Hannover dealed by universitary PICU. Resus. Training updated/upgraded with italian/european courses & cooperation with local emerg. assoc. were introduced via italian cooperation. The German Paediatric Resucitation Council was created

## Results & conclusions:

Southtyrol: 2006: 100 PBLS-courses, 2000 participants. 20% healthcare providers/80% lay persons (mainly personal of Kindergarten sponsored by Southtyr. Edu. Dep.). PBLS mandatory for paramedics/nurses on ambulances (regional laws). 1998-2006: 32 PALS/EPLS courses: 640 participants. From Southtyrol (495.000 hab.)PALS/EPLS were extended to Italy, Germany & Austria (146 million hab.).

Hannover upgraded CME with international course products via Italy. 2004-06: 18 PBLS/EPLS courses, 456 participants. PICU 100% physiscians, 51% nurses PBLS/EPLS accreditated.

We conclude: integration of local structures involved in emerg. medicine linked with national & internat. networks is a powerfull instrument to implement PLS-courses.

Bibliography: Burkhard Wermter et al. Resuscitation 2006;70 (2): 332-333. Development of bilingual setting of PBLS & PALS courses in South-Tyrol & subsequent implementation of European paediatric life support course EPLS in Germany/Austria