

Standard Paediatric Resuscitation Courses meet realistic life-like environment for Simulation



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Background

Paediatric Basic & Advanced Life Support Courses has been introduced as EPLS European Paediatric Life Support of ERC European Resuscitation Council in 2004 by PICU Paediatric Intensive Care Unit of Medical School Hannover in Lower Saxony (Germany) in cooperation with Alpine Paediatric Life Support Training Center/White Cross Southtyrol.

Idea / concept

Standard paediatric resuscitation courses of ERC and AHA set the bases to start with highly advanced and/or highly realistic simulation training.

Methods / implementation

More than 500 participants in Paediatric Intensive Care Network Lower-Saxony participated in the EPLS-courses between 2004-2008. Highly advanced Simulation with very realistic setting has been realized in 2008 in cooperation with DRF, German Air rescue, Firebrigade Hannover & White Cross Southtyrol in ambulance-car-setting. In 2009 EPLS has been combined with highly realistic setting in daily indoor- and outdoor-settings of normal live. It was an EPLS-Recertification course in setting of realistic scenarios with videodebriefing.



Results:

Integration between Italian PBLs and EPLS-ERC (2003). Paediatric Trauma Course with real children (Argentina 1990 / Spain 1996 / Southtyrol 2005) well-suited since 2005 as supplementary module to EPLS and Instructor-courses in 2006 (Skill) and 2007 (scenarios). First (2008) homogenous course offered in our region: 1st level: PBLs (1day), 2nd PALS (2 days), 3rd level: advanced paediatric simulation integrating real children (5 scenarios with mannequins, 2 scenarios with children, 1 day).

Discussion:

Realistic Simulation with videodebriefing increase acceptance of recertification courses, because the provider courses are different from recertification. Standard courses helps to prepare highly advanced Simulation providing good Algorithm knowledge.

Conclusion:

aim: to bring participants from PBLs/EPLS/PALS and EPLS recertification courses to highly advanced Simulation with good bases knowledges & skills (www.provinz.bz.it/se/paednotmed); ERC/AHA-courses are very helpful. Intermediate simulation settings as at www.drk-sitz.de could be usefull. Realistic environment makes recertification more attractive and prepare for highly advanced simulation. Different levels of Simulation should be used following needs of participants.



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In cooperation with:

