INTRODUCTION: since about ten years we have international guidelines for treatment of pediatric sepsis. Early treatment requires: organisation, communication, cooperation between county hospitals, rescue services and university tertiary pediatric intensive care units. Simulation based team training is necessary.

OBJECTIVES: Better clinical outcome for patients implementing Simulation and Crew resource Management

METHODS/MATERIALS: cooperation between instructors from pediatric intensive medicine work and rescue organizations guarantees complete chain of pediatric sepsis treatment during training. Technical resources/ Budget: use of own material of resuscitation courses without highly advanced manikins, but with trained patient actors. For audiovideodebriefing has been used a standard PC with internet webcam/-microfone including provided software. Course setting: one group course/ 6 participants/ 2 instructors tested.

RESULTS: due to economic crisis, the project suffered important delay, but this the demonstration, that low-budget simulation becomes more important. Programme: 1) Lecture: Pediatric Sepsis – early diagnosis/treatment / infusion management - 60 min. 2) Skill-Stations*: Paediatric Basic Life Support, vascular access (intraosseous/CVC), drug / infusion management - 90 min. 3) Triage - 60 min. 4) Scenario-Station*: shock-management 30 min. 5) Simulation-based-scenarios including Audiovideodebriefing: communication / treatment between PICU/county-hospital 2x30 min, Transport 2x45 min, PICU 2x45 min. Pre-course lecture for participants. Quality of webcam-images and micro-sound has positively surprised. Good evaluation by course participants (*: station 2/ 4 may be reduced if participants are provider of Paediatric Life Support courses)

CONCLUSIONS: a compact low-budget simulation-based SEPSIS-course is possible and necessary to diffuse and train the whole chain of treatment. However highly advanced simulation including accredited Paediatric Life Support courses should remain the gold-standard for development of low-budget teaching tools.