

Responding to Critical Neonatal Conditions

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Neonatal Resuscitation

- In 2000, 1.267.000 children were born in Russia.
- About 10% of all newborns require some resuscitation.
- Until 1995, neonatal resuscitation was performed according to out-dated protocols.

The Role of AIHA

- **Providing information and promoting neonatal resuscitation techniques based on conclusions of contemporary medicine**
- **Uniform training of neonatal resuscitation instructors in accordance with the American Academy of Pediatrics and American Heart Association guidelines**
- **Organizing, equipping and supporting the Neonatal Resuscitation Training Centers**

Results

- **Six NIS countries - Armenia, Azerbaijan, Georgia, Russia, Ukraine and Uzbekistan, - have implemented the US guidelines on neonatal resuscitation as standards for medical care.**
- **In six NIS countries 17 Neonatal Resuscitation Training Centers have trained over 16,000 specialists in maternity wards.**
- **According to the analysis of 8,292 deliveries in the AIHA Centers, early neonatal mortality and morbidity have been reduced.**

Steering Committee

Objective – to disseminate and promote dissemination of uniform neonatal resuscitation guidelines, and therefore, to contribute to improving infant health.

Areas of primary interest:

- **Standards development**
- **Quality assurance**
- **Communication, information exchange**
- **Long-term prospects**

Steering Committee - Quality Assurance

Areas for Quality Assurance:

- **Training course evaluation**
- **Evaluation of the clinical application of the training course**
- **Evaluation of clinical outcomes**

Training Course Standards

Peer review of the training course :

- **Preparation for the training course**
- **Training course format**
- **Training course documentation**

Clinical Application

Key Components:

- **The number of specialists trained**
- **Knowledge of resuscitation basics - pre-test**
- **Availability and readiness of the equipment**
- **Utilization of skills**
- **Results of resuscitation efforts in HC facilities**

Evaluation of Clinical Outcomes

Analysis of 8.292 deliveries: Resuscitation -23%

In maternity hospitals, where more than 25% of the staff have been trained:

- **More newborns with normal indicators during the first hour of life**
- **Better condition at the 1st and 5th minutes of life**
- **Lower prevalence of respiratory tract disorders**
- **Lower prevalence of nervous system disorders at 1 hour and by the 7th day of life**

Neonatal Resuscitation: the Future

- **Dissemination of the experience and AIHA initiative**
- **Creation of additional Centers**
- **Training in evidence-based resuscitation and intensive care techniques**
- **Legislative support**

