

## **E-NEO: Developing the skills and knowledge of neonatal resuscitation students with a collaborative e-learning module in Switzerland and Lebanon**

Neonatal resuscitation is a key element of the newborn care in the delivery room. In 2014, the Lancet Series on Neonatal Survival proposed new targets to accelerate the reduction of neonatal mortality (Sustainable Development Goal 3) which still affects approximately 2.9 million newborns worldwide, or 4, 5 per 1000 live births in Lebanon, and 3 per 1000 live births in Switzerland. One of the success factors in the management of resuscitation procedures is the competence of the caregivers to prepare the appropriate equipment, as well as their expertise to perform resuscitation procedures.

Training by E-Learning was chosen for its many educational advantages conducive to skills development. This not only impacts the knowledge and skills of students, but also the health of at-risk newborns and their families. By the assignment of their duties in the delivery room, midwives and nurses are on the forefront of births. Moreover, it has been shown, both in the training of midwives in neonatal resuscitation at the Haute Ecole de Santé Vaud (HESAV) and in Lebanese training, that no specific emphasis is placed on the preparation of the resuscitation table

Therefore, training with an e-learning module to acquire knowledge in a structured way in neonatal resuscitation, while exercising its critical sense seems particularly suitable for students. Scientific cooperation between Switzerland and Lebanon, with the same objectives of training and improving the health of newborns is proposed in this project.

The objective of the E-NEO project is to develop the skills and knowledge of neonatal resuscitation students with a collaborative e-learning sequence in Switzerland for midwifery and nursing students (respectively in 2nd and 3rd year

of Bachelor) ; and in Lebanon (respectively 3rd/4th and 3rd Bachelor).

---

### **Research team**

Claire de Labrusse, main applicant,  
HESAV

Murielle Caldelari et Lucia Floris,  
HESAV

Mirjam Schuler Barazzoni, partner,  
CHUV

Nina Saadallah-Zeidan et Nina Saadeh  
partners, Lebanese University,

### **Funding**

Leading House for the Middle East and  
North Africa

### **Duration**

12 months