Evaluating the Resus4Kids short practical course – A pre and post intervention self administered questionnaire study on health professionals.

Rebecca Nogajski¹,³, Marino Festa¹, Julie Howse², Fenton O’Leary¹,²,³
¹The Children’s Hospital at Westmead, Sydney, NSW, ²Western Child Health Network, NSW Health, ³Discipline of Paediatrics, University of Sydney, NSW

Introduction
Cardiorespiratory arrest is a rare event in children. Teamwork and communication skills are recognised as an essential part of a well functioning resuscitation team; however these skills are not typically taught on established paediatric life-support courses. The Western Child Health Network (WCHN) in conjunction with NSW Health has produced a novel multi modal paediatric resuscitation course (Resus4Kids). The course consists of two parts:
1. A previously validated E-learning module focused on teaching the theory of basic and advanced life support.
2. A practical 90 minute session aimed at teaching teamwork, communication and leadership skills and low fidelity case simulation in a “pause and discuss” format.

Method – Design and Evaluation
The previously validated questionnaire, composed of a 9 point Likert scale, was aimed at the participants
• Knowledge
• Confidence
• Ability surrounding leadership, communication and teamwork and also advanced and basic life support.
The non parametric data was normalised using the square root transformation and the one sample t test was employed to detect statistically significant differences.

Results
There was significant improvement in all of the paired responses.

Results
• The course was regarded as highly relevant to the participant’s clinical role (mean likert score 8.22).
• 97% (n = 66) felt that they could apply skills learnt to their current clinical roles.
• 97% would highly recommend the course to colleagues.
• 97% agreed that the multidisciplinary nature of the course was useful.
• 94% (n = 64) felt that the learning objectives were met.

Conclusion
The Resus4Kids short practical course is able to significantly improve the self reported knowledge, confidence and ability of healthcare professionals in communication and teamwork skills as well as advanced and basic life support skills. The shorter nature of this course and the pre learning E module allows it to be easily implemented.

Key
BLS – Basic Life Support
ALS – Advanced Life Support
- Pre test scores
- Post test scores