Conclusion These reference data on right ventricular and atrial dimensions and volumes can be used for follow-up studies of boys and girls at 6-years-of-age. 3D volumes correlated moderately with BMI.

1140 EFFECT OF A PILOT INTERVENTION ON SETTING UP LONG-TERM MECHANISM OF NEONATAL RESUSCITATION TRAINING IN 4 COUNTIES IN CHINA

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Background and Aims Neonatal mortality is the leading cause of under-5 child deaths in China. The aim was to evaluate the effect of a pilot intervention on setting up long-term mechanism of neonatal resuscitation training in 4 counties in China.

Methods A neonatal resuscitation leading group was set up within each county level hospital to lead the in-hospital training, department coordination, resuscitation practices and cases audit. A random control survey was conducted in the intervention counties and 4 randomly selected control counties to evaluate the impact of the intervention. Indicators evaluated included knowledge and self-confidence score of health providers, hospital regulations, changes of asphyxia incidence and mortality.

Results Over 90% of intervention hospitals had carried out neonatal resuscitation related regulations requiring that trained paediatricians participate in case discussion of high-risk delivery and onsite resuscitation, while in control hospitals less than 55% had such requirements. The average knowledge score of health providers was significantly higher in the intervention counties than the control counties. The incidence of birth asphyxia (defined as Apgar score ≤ 7) respectively. The incidence of birth asphyxia (defined as Apgar score ≤ 7) in the intervention counties decreased from 8.83% to 5.99% in the intervention counties, and ≤ 7) in the control counties respectively. The incidence of birth asphyxia (defined as Apgar score ≤ 7) in the intervention counties decreased from 8.83% to 5.99% in the intervention counties, and ≤ 7) in the control counties.

Conclusions Setting up long-term mechanism of neonatal resuscitation training is an effective method to strengthen in-hospital training, build up capability for neonatal resuscitation and there-...