

Evaluation of UniFlow for use with paediatric patients

During spring 2009, a trial was conducted at Drottning Siliva's (Queen Silvia's) Children's Hospital in Gothenberg, Sweden, on 25 paediatric patients undergoing various surgical procedures, using the Intersurgical UniFlow anaesthesia breathing system. The purpose of the evaluation was to investigate if the breathing system UniFlow was suitable for use on children down to 5 kg.

The weight range of the patients were as following:

Weight range	Nr of patients
4,6-8,0 kg	9
8,1-11,0 kg	6
11,1-14,0 kg	6
14,1-17,0 kg	2
17,1-20,0 kg	2

14 Nr of patients were breathing spontaneously and 11 Nr of patients were volume controlled ventilated. 11 Nr of patients were intubated and 14 Nr of patients used a laryngeal mask.

All the patient's vital signs were monitored, and recorded (ET, FiO₂, AF, EtCO₂ etc.). Typical EtCo₂ levels were all within normocapnia levels for this weight group.

The conclusions of this evaluation, is that the Intersurgical UniFlow anaesthesia breathing system is very suitable for use with paediatric patients down to 5Kgs.



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