## **INDIAN PEDIATRICS**

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	Using CPAP for Bronchiolitis: Authors' Reply						
	Department of Pediatrics, St Stephens Hospital, Tis Hazari, Delhi, India. Email: sandeep.nlal@gmail.com The main point of criticism of our study [1] by all these readers is that we assessed only for benefits over the first hour of admission. This is a valid point. The reason for such protocol was the ethical issue. Theoretically, it was not logical to use CPAP (that increases dead space [21]) to treat a condition like bronchiolitis, which is characterized by air trapping [3]. This is why we decided to study this modality for the first hour, while we closely monitored the child, ready to switch to more conventional modalities if the baby's distress increased. Most babies did well on CPAP, and this was continued after the 1-hour study period, but the protocol was to study distress (improvement or deterioration) in the first hour. We were able to identify patients who improved with CPAP. We know from our observation during the period that infants who improved in the first hour. Respiratory rate is variable but a reduction in respiratory rate is usually a good sign of improvement. Regarding inter-observer variability in counting the respiratory rate, the counting of respiratory rate is a simple procedure and we did not consider inter-observer variability to be significant although we did not test for this. We do not consider video recording would have been useful. REEP and flow rates are crucial factors in bubble CPAP. We used flow rates between 6 L/min and 10 L/min, and PEEP of 6 m of water to 8 cm of water depending on the baby's size and flow rates that were comfortable for the baby. Reparding our use of Silverman-Andersen score and Modified Pediatric Society of New Zealand Seventy Score to assess respiratory distress in bronchiolitis, they have been widely used to evaluate distress in infants. Learned and top Request ecomparability between the groups, but this was not a part of the study protocol. Learned and tope ecode anthropometric data for comparison between case						
	3. Florin TA, Plint AC, Zorc JJ. Viral bronchiolitis. Lancet. 2017;389:211-24.						
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