F&P Optiflow Junior 2



Evolution of clinical literature

The early physiological and observational research into NHF therapy led to an understanding of the mechanisms and potential clinical impact of NHF in infants. This was followed by a number of randomized controlled trials (RCT) describing the physiological and clinical efficacy of the therapy. The following papers represent a sample of some of the key studies in this field:



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1. Schibler et al. Intensive Care Med, 37(5), 2011. 2. Milési et al. Intensive Care Med, 39 (6), 2013. 3. Mayfield et al. J Paediatr Child Heal, 50 (5), 2014. 4. Franklin et al. N Engl J Med, 378 (12), 2018.

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Franklin et al. 2018. New England Journal of Medicine. 2018.

A randomized controlled trial of high-flow oxygen therapy in infants with bronchiolitis

	1472	Key points			
	 1, 4 / Z patients 17 emergency departments and wards Hospitals in Australia and New Zealand 	Largest NHF trial to date, which addresses the question: Should NHF therapy be used beyond the PICU?	The use of NHF in Emergency Departments (ED) and general pediatric wards resulted in a significantly lower rate of treatment failure compared to standard oxygen therapy in young infants with bronchiolitis.	This study may give clinicians confidence to use NHF in the ED and general pediatric wards in this patient population.	NHF may be used early (in the ED) and across the hospital to help reduce the escalation of therapy.

Franklin et al. (2018) found that the early use of NHF in the ED and ward resulted in a significantly lower rate of therapy failure compared to standard oxygen therapy.

