

Scientific Reference List

Title	Author	Published where	Date
eNO Articles general			
Changes in minute ventilation of nitric oxide with ligation of the patent ductus arteriosus in the premature baboon	J.D. Kerecman et al (P. Shaul)	Thorax	2001
Exhaled NO adjusted with FVC among general population	D. Paek, S. Lee, Seoul, Korea	Meeting of thorac society	2001
Nitric oxide (NO) exhalation: comparison of the single- and multi-breath method in children	W. Bohnet et al (J. Kuehr)		
Exhaled nitric oxide correlates with the activity index of Crohn's disease (CD) and colitis ulcerosa (CU)	G.M. Verleden et al (P. Rutgeerts)	Thorac	1999
A comparison of exhaled nitric oxide analysers in healthy subjects, asthma and COPD patients	Clough D. Borrill Z, Truman N, Langley SJ, Singh D		
Vergleich verschiedener Stickstoffmonoxid (NO) Analysatoren	K-C Müller, O Holz, H. Magnussen, RA Jörres		
eNO - exp flow			
Flow dependency of exhaled nitric oxide (NO) in asthmatics and controls: comparison of two analysers	A.C. Olin et al (K. Toren)	Meeting of the American Thoracic Society	1999
simple flow-driven method for online measurement of exhaled NO starting at the age of 4 to 5 years	Eugene Baraldi et al (Franco Zacchello)	Am J Respir Crit Care Med Vol 162.pp 1828-1832	2000
A single breath technique with variable flow rate to characterize nitric oxide exchange in the lungs	N.M. Tsoukias, S.C. George		
Evaluation of exhaled nitric oxide in schoolchildren at different exhalation flow rates	Christoph Pedroletti et al (Kjell Alving)	Pediatric Research 52:393-398	2002
Exhaled nitric oxide as a diagnostic test for asthma	Aaron Deykin et al (Elliot Israel)	Am J Respir Crit Care Med Vol 165.pp 1597-1601	2002
eNO - Infant			
Comparison of six different methods for exhaled nitric oxide (eNO) collection in children	P.F. Daniel et al (N.H. Valerius)		
Effect of natural grass pollen exposure on exhaled nitric oxide in asthmatic children	Eugenio Baraldi et al (Franco Zacchello)	Am J Respir Crit Care Med 1999; 159: 262-266	1999
Exhaled nitric oxide concentrations during treatment of wheezing exacerbation in infants and young children	Eugenio Baraldi et al (Franco Zacchello)	Am J Respir Crit Care Med 1999; 159: 1284-1288	1999
Determination of intrapulmonary tidal nitric oxide after cross correlations with end-expiratory CO ₂ in healthy, unsedated infants	G. L. Hall, B. Reinmann, J. Wildhaber, U. Frey		
Exhaled NO measured at fixed flow during tidal breathing in young children of 2-5 years	F. Buchvald, H. Bisgaard		
Tidal exhaled nitric oxide in healthy, unsedated newborn infants with prenatal tobacco exposure	G. L. Hall, B. Reinmann, J. Wildhaber, U. Frey		
Exhaled nitric oxide levels in atopic children: relation to specific allergic sensitisation, AHR, and respiratory symptoms	J D Leuppi et al	Thorax 2002;57:518-523	2002

Flow measurement			
Advances in lung function tests: ultrasound spirometry	M. Heilmann et al (H. Fabel)	Meeting of the American Thoracic Society	1998
Evaluation of distribution of ventilation in bronchial asthma patients using ultrasonic spirometry	A.E. Salem et al (J. Schlegel)		
In vitro assessment of an ultrasonic flowmeter for use in ventilated infants	P. Scalfaro, J. Cotting, P.D. Sly	Eur Respir J 2000; 15: 566-569	2000
Measurement of tidal volume in high frequency oscillation ventilation (HFOV) with an ultrasonic and a hot wire flowmeter	P. Scalfaro, J. Cotting, P.D. Sly		
In-vitro Untersuchungen zur Messgenauigkeit eines Ultraschall-Pneumotachographen zur Ventilationsmessung bei Neugeborenen	T. Leier et al (G. Schmalisch)		
Gas molecular mass (MM) measurements with a time of flight ultrasonic flowmeter	P. Scalfaro et al (P. Sly)		
Validation of an ultrasonic flow-meter for ventilated infants	P. Scalfaro, J. Cotting, P.D. Sly	Meeting of the American Thoracic Society	1998
Vergleich der Ultraschall-Pneumographie mit konventionellen Messverfahren bei Kindern und Jugendlichen	Lindau S et al (Lindemann H)	Monatsschr Kinderheilkd 146:292	1998
FRC			
Determination of functional residual capacity: a comparison of ultra-sonic molecular mass analysis during nitrogen washout and conventional helium dilution	E. Eber et al (M.S. Zach)	Meeting of the American Thoracic Society	1999
Comparable measurements of FRC in healthy infants using three techniques	Jane J. Pillow et al (Janet Stocks)		
The molar mass signal of an ultrasonic flowmeter accurately describes the gas concentration signal of a respiratory mass spectrometer	Andreas Schibler et al (Christopher J.L. Newth)	Pediatr. Res 49:581-588	2001
Measurement of functional residual capacity (FRC) determined by gas dilution in infants using an ultrasonic flowmeter and a sulfur-hexafluoride (SF ₆) washin/washout technique	M. Henschen et al (J. Kuehr)		
Measurement of functional residual capacity in mechanically ventilated monkeys using the molar mass signal of an ultrasonic flow meter compared to the nitrogen washout method	A. Schibler, J. Hammer, C.J.L. Newth		
In vitro assessment of an ultrasonic airflow meter for FRC measurements in newborns	J. Wauer et al (G. Schmalisch)		
Measurement of functional residual capacity in rabbits and children using an ultrasonic flow meter	Andreas Schibler and Robert Henning	Pediatr. Research 0031-3998/01/4904-0581	2001
A new method for measuring FRC by gas washout in respiration infants after cardiac surgery	Winfried Baden et al (Michael Hofbeck)		
Inert gas washout detects airway pathology in cf infants and children with normal spirometry findings	P. Gustafsson, S. Kallman, A. Lindblad	Meeting of the American Thoracic Society	2001
Measurement of lung volume and ventilation distribution with an ultrasonic flow meter in healthy infants	A. Schibler et al (U. Frey)	Eur Respir J 2002; 20:912-918	2002
Sulfur Hexafluoride washin and washout to measure FRC in unsedated healthy children	A. Schibler et al (U. Frey)	Meeting of the American Thoracic Society	2001

In vitro validation of an ultrasonic flowmeter in order to measure the functional residual capacity in newborns	Wauer J. et al	Physiological Measurement, 2003, vol. 24, no. 2, pp. 355-365(11)	2003
Interpretation of FRC in infants with CLD demands appropriate adjustment for body size	G. Hülskamp et al (J.J. Pillow)	ERS	2003
The noise of an ultrasound flowmeter does not affect tidal volume and FRC measurements in infants	Juliane Wauer et al (Gerd Schmalisch)	ERS	2003
Recombinant human Dnase and lung mechanics in postoperative pediatric intensive care respirator therapy	Winfried Baden et al (Michael Hofbeck)		
Functional residual capacity measurements in healthy infants: ultrasonic flow meter versus a mass spectrometer	J.J. Pillow, H. Ljungberg, G. Hülskamp and J. Stocks	Eur Respir J 2004; 23: 1-6	2004
Infant PFT			
Clinical applications of infant lung funktion testing: Does infant lung function contribute to clinical decision making?	Urs Frey		
A simple new technique to measure the effective dead space of the face mask with a water volumeter in infants	M.G. Morris	Eur Respir J 1999; 14:1163-1168	1999
Effect of jaw-thrust and Cpap on tidal breathing in deeply sedated infants	J. Hammer et al (F. Frei)	Meeting of the American Thoracic Society	2000
Annual lung function changes in young patients with chronic lung disease	P.J.F.M. Merkus, H.A.W.M. Tiddens, J.C. de Jongste	Eur Respir J 2002; 19:886-891	2002
Normal lung function of preterm infants with chronic lung disease at 48 weeks of postconceptional age	M. Zanolari et al (U. Frey)		
RV-RTC			
Sex-Specific Prediction Equations for VmaxFRC in Infancy	Ah-Fong Hoo et al (Janet Stocks)	Am J Respir Crit Care Med Vol 165. Pp 1084-1092	2002
SOT			
Evaluation of the interrupter technique in healthy, unsedated infants	G.L. Hall et al (U. Frey)	Eur Respir J 2001; 18:982-988	2001