

HMA - NOalv Algorithm by M. Högman and P. Meriläinen

INSERT FLOWS HERE [ml/s]

INSERT FENO HERE [ppb]

Low Flow	Medium Flow	High Flow	FENO (Low Flow)	FENO (Medium Flow)	FENO (High Flow)
10.0	100.0	300.0	70.0	13.0	5.0

Results:

DawNO [mL/s]	CawNO [ppb]	CaNO [ppb]	JawNO [pL/s]
14.48	91.19	0.74	1309.86

Valid Result?
YES

FENO 50 Calc [ppb]:	23.5
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References:

1. Extended NO analysis in asthma: M. Högman and P. Meriläinen; J. Breath Res. 1 (2007) 024001 (8pp)
2. Exhaled nitric oxide partitioned into alveolar, lower airways and nasal contributions: Högman M, Drca N, Ehrstedt C and Meriläinen P 2000; Respir. Med. 94 985–91
3. Extended NO analysis applied to patients with COPD, allergic asthma and allergic rhinitis: Högman M et al 2002; Respir. Med. 96 24–30
4. Modeling pulmonary nitric oxide exchange: George SC, Högman M, Permutt S, Silkoff PE; J Appl Physiol 2004; 96: 831-839.
5. Effect of smoking on exhaled nitric oxide and flow-independent nitric oxide exchange parameters: Malinovschi A, Janson C, Holmkvist T, Norbäck D, Meriläinen P, Högman M.; Eur Respir J 2006; 28: 339–345.
6. IgE sensitisation in relation to flow-independent nitric oxide exchange parameters.: Malinovschi A, Janson C, Norbäck D, Holmkvist T, Meriläinen P, Högman M.; Respir Res 2006; 7: 92.

FENO Graph

