

SUPPLEMENTARY MATERIAL

Fractional exhaled nitric oxide in non-cystic fibrosis bronchiectasis: an exploratory prospective observational study

Eugerta Dilka,^{1,2} Eva Duraku,³ Artan Simaku,⁴ Perlat Kapisyzi^{1,2}

¹University Hospital “Shefqet Ndroqi”, Tirana; ²University of Medicine, Tirana; ³University “Lady of Good Counsel”, Tirana; ⁴Public Health Institute, Tirana, Albania

Correspondence: Eva Duraku, University “Lady of Good Counsel”, Tirana, Albania.

E-mail: durakueva@yahoo.com

Key words: bronchiectasis, FeNO, eosinophilic inflammation, pulmonary function, observational study.

Supplementary Table 1. Association between FeNO and blood eosinophil percentage.

Analysis	n	Correlation coefficient	p-value	Interpretation
FeNO vs. blood eosinophil percentage (Pearson)	152	r=0.41	<0.001	Moderate positive correlation

FeNO: fractional exhaled nitric oxide. Pearson product-moment correlation was used; effective n = 152.

Supplementary Table 2. FeNO levels according to HRCT-defined bronchiectasis morphology.

HRCT morphology	n	FeNO mean $\pm$ SD, ppb	Median	Min-max	IQR	p-value
Cylindrical bronchiectasis	103	12.8 $\pm$ 7.9	11.0	5-45	7.0-15.5	
Varicose bronchiectasis	28	11.3 $\pm$ 8.3	8.5	5-39	7.0-11.0	
Cystic/saccular bronchiectasis	21	10.0 $\pm$ 7.4	7.0	5-36	6.0-9.0	
Overall Kruskal-Wallis comparison	152	—	—	—	—	0.040

The overall p-value refers to the Kruskal–Wallis comparison across cylindrical, varicose, and cystic/saccular groups. The cylindrical versus cystic/saccular p-value is an unadjusted exploratory pairwise Mann–Whitney U comparison.

Supplementary Table 3. FeNO levels according to ventilatory pattern.

Ventilatory pattern	n	Mean FeNO, ppb	SD	Median	Min-max	IQR	p-value
Normal	34	10.6	5.3	10.0	5–29	7.0–12.8	
Small-airway obstruction	38	13.6	8.5	10.0	5–39	7.2–16.8	
Mild obstruction	26	14.9	10.3	12.5	5–45	8.2–16.5	
Moderate obstruction	18	10.5	7.8	8.0	5–36	6.0–10.8	
Severe obstruction	12	14.2	8.7	11.0	6–37	8.8–17.0	
Moderate restriction	16	9.8	6.0	8.0	6–30	7.0–9.5	
Severe restriction	8	7.5	1.5	7.0	5–10	7.0–8.2	
Overall Kruskal-Wallis comparison	152	—	—	—	—	—	0.030

FeNO values are expressed in parts per billion. The p-value refers to the overall Kruskal–Wallis comparison across all ventilatory-pattern groups.