

▼ Login



[Advanced Search](#)

- [Home](#)
- [Current issue](#)
- [Archive](#)
- [For authors](#)
- [Alerts](#)
- [Subscriptions](#)



# Could the overweight influence bronchiectasis (B) exacerbations frequency (EF)?

K Suska, K Gashynova, V Dmytrychenko  
ERJ Open Research 2020 6: 22; DOI: 10.1183/23120541.LSC-2020.22

- Article**
- [Figures & Data](#)
- [Info & Metrics](#)

**Vol 6 Issue suppl 5** [Table of Contents](#)

- [Table of Contents](#)
- [Index by author](#)

### Abstract

B is a chronic lung disease accompanied by recurrent airway infections. Underweight is one of the proved

THANK YOU FOR ACCEPTING COOKIES

You can now hide this message or find out more about cookies.

Hide

More info

disease. We aimed to determine if there is an effect of overweight on EF of patients (p) with B.

**Materials and methods** 55 p with confirmed B by HRCT were included in the study during the stable phase. Weight, parietal fat (PF), muscles (M) and visceral fat (VF) were measured by "Body composition monitor Omron BF511" for the static weighing and body mass index (BMI) was calculated. EF during the previous year was defined in medical source documentation. The methods of descriptive and non-parametric statistics were used to process the results.

**Results:** P were divided by BMI into two groups: G1-with BMI $\geq$ 25 kg/m<sup>2</sup> (n=22), G2-with BMI<25 kg/m<sup>2</sup> (n=33). There were no differences in groups by gender and age (p=0.7 and p=0.39 respectively). Results are presented in the table.

[View inline](#) | [View popup](#)

There were dedicated correlation between BMI and EF (R=0.34,p=0.01), PF (R=0.69,p=0.00001) and VF (R=0.82,p=0.0000001).

 [Citation](#)  
[Tools](#)

#### Jump To

- [Article](#)
- [Figures & Data](#)
- [Info & Metrics](#)

Tweet

Нравится 0

 [More in this TOC Section](#)

THANK YOU FOR ACCEPTING COOKIES

You can now hide this message or find out more about cookies.

Hide

More info

with BMI than PF. Therefore, we can propose to consider the need to determine the fractions of fat in p with B for the subsequent correction of this metabolic disorder.

*No related articles found.*

[Google Scholar](#)

[Bronchiectasis](#) [Exacerbation](#) [Extrapulmonary impact](#)

### Footnotes

Cite this article as: ERJ Open Research 2020; 6: Suppl. 5, 22.

This is an ERS Lung Science Conference abstract. No full-text version is available. Further material to accompany this abstract may be available at [www.ers-education.org](http://www.ers-education.org) (ERS member access only).

Copyright ©the authors 2020

### We recommend

Effect of body mass index on B-type natriuretic peptide levels in critically ill patients  
Jae Joon Hwang et al.,  
European Respiratory  
Journal 2018

A pilot study comparing bioelectrical impedance analysis and body mass index in determining obesity among staff of a Ghanaian University

**THANK YOU FOR ACCEPTING COOKIES**

You can now hide this message or find out more about cookies.

Hide

More info

- |  |  |
|--|--|
| <p>obstructive pulmonary disease patients with ischemic heart disease and obesity<br/>Iryna Nemish et al., European Respiratory Journal, 2019</p> <p>Airway eosinophilic inflammation, body weight and symptoms in COPD over 4 years of follow-up<br/>Jing Gao et al., European Respiratory Journal, 2019</p> <p>Nutritional status and physical activity in patients with COPD, and factors associated with malnutrition<br/>Zinka Matković et al., European Respiratory Journal, 2019</p> <p>Diabetes, body mass index, and risk of active tuberculosis<br/>Avril Soh et al., European Respiratory Journal, 2018</p> | <p>Genetic variation in the TAS2R38 bitter taste receptor and overweight among adults in Southwest Finland<br/>Ulla Hoppu et al., Nutrition &amp; Food Science, 2018</p> <p>Fractal Analysis of Myocardial Trabeculations in 2547 Study Participants: Multi-Ethnic Study of Atherosclerosis<br/>Gabiella Captur et al., Radiology, 2015</p> <p>Ectopic and Serum Lipid Levels Are Positively Associated with Bone Marrow Fat in Obesity<br/>Miriam A. Bredella et al., Radiology, 2013</p> <p>Determination of overnutrition using mid-upper arm circumference in comparison with bioelectrical impedance analysis in children and adolescents in Benin, Nigeria<br/><br/>Sylvester Oriafio et al., Journal of Health Research, 2019</p> |
|--|--|

---

Powered by **TREND MD**

**THANK YOU FOR ACCEPTING COOKIES**

You can now hide this message or find out more about cookies.

Hide

More info

[Yes](#)[No](#)[^ Back to top](#)

### Navigate

[Home](#)  
[Current issue](#)  
[Archive](#)

### About ERJ Open Research

[Editorial board](#)  
[Journal information](#)  
[Press](#)  
[Permissions and reprints](#)  
[Advertising](#)

### The European Respiratory Society

[Society home](#)  
[myERS](#)  
[Privacy policy](#)  
[Accessibility](#)

### ERS publications

[European Respiratory Journal](#)  
[ERJ Open Research](#)  
[European Respiratory Review](#)  
[Breathe](#)  
[ERS books online](#)  
[ERS Bookshop](#)

### Help

### For authors

[Instructions for authors](#)  
[Submit a manuscript](#)  
[ERS author centre](#)

### For readers

[Alerts](#)  
[Subjects](#)  
[RSS](#)

### Subscriptions

[Accessing the ERS publications](#)



### Contact us

European Respiratory Society  
442 Glossop Road  
Sheffield S10 2PX  
United Kingdom  
Tel: +44 114 2672860  
Email:  
[journals@ersnet.org](mailto:journals@ersnet.org)

### ISSN

Online ISSN: 2312-0541

### THANK YOU FOR ACCEPTING COOKIES

You can now hide this message or find out more about cookies.

[Hide](#)[More info](#)

**THANK YOU FOR ACCEPTING COOKIES**

You can now hide this message or find out more about cookies.

Hide

More info