

[Login](#)EUROPEAN RESPIRATORY *journal*

FLAGSHIP SCIENTIFIC JOURNAL OF ERS

search

[Advanced Search](#)[Home](#)[Current issue](#)[ERJ Early View](#)[Past issues](#)[For authors](#)[Alerts](#)[Podcasts](#)[Subscriptions](#)

# Peripheral blood eosinophilia and sensitization to *Aspergillus fumigatus* in adult patients (pts) with non-cystic fibrosis bronchiectasis (B)

Kateryna Gashynova, Valeriia Dmytrychenko, Kseniia Suska

European Respiratory Journal 2019 54: PA2766; DOI: 10.1183/13993003.congress-2019.PA2766

[Article](#)[Info & Metrics](#)[Vol 54 Issue suppl 63 Table of Contents](#)

THANK YOU FOR ACCEPTING COOKIES

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

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

**Conclusions:** 1) More than 20% of adult B pts have an eosinophilic type of inflammation. 2) Blood eosinophilia is likely to be associated with sensitization to AF.

[Bronchiectasis](#) [Inflammation](#) [Allergy](#)

### Footnotes

Cite this article as: European Respiratory Journal 2019; 54: Suppl. 63, PA2766.

This is an ERS International Congress 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 2019

### We recommend

Retrospective study on the combined use of voriconazole and prednisolone in the treatment of acute allergic bronchopulmonary aspergillosis (ABPA)  
Francesco Bini et al.,

Chronic Sinusitis: Relationship of Computed Tomographic Findings to Allergy, Asthma, and Eosinophilia  
Leslie J. Newman et al.,  
Journal of American Medical



### Related Articles

*No related articles found.*

[Google Scholar](#)

**THANK YOU FOR ACCEPTING COOKIES**

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

Hide

More info

Microbiome landscape and disease duration role in allergy in adult patients with bronchiectasis Kateryna Gashynova et al., European Respiratory Journal, 2019	Sean O'Loughlin et al., JAMA Dermatology, 1977
Role of <i>Aspergillus</i> infection in uncontrolled Asthma Sami Eldahdouh, European Respiratory Journal, 2018	Total IgE Levels and Peripheral Eosinophilia Correlation With Mucosal Disease Based on Computed Tomographic Imaging of the Paranasal Sinus Sheri A. Poznanovic et al., JAMA Otolaryngology Head Neck Surgery, 2007
<i>Aspergillus fumigatus</i> -specific immunoglobulin levels in BALF of CF patients Edith Nachbaur et al., ERJ Open Res, 2017	Infection, Dermatitis, Increased IgE, and Impaired Neutrophil Chemotaxis: A Possible Relationship Mark V. Dahl et al., JAMA Dermatology, 1976
Elevated CEA levels in sera in patients with allergic bronchopulmonary aspergillosis (ABPA) Hirota Matsuzaki et al., European Respiratory Journal, 2011	Response to Corticosteroids in the Hypereosinophilic Syndrome Association With Increased Serum IgE Levels Robert K. Bush et al., JAMA Internal Medicine, 1978

Powered by **TREND MD**

I consent to the use of Google Analytics and related cookies across the TrendMD network (widget, website, blog). [Learn more](#)

**THANK YOU FOR ACCEPTING COOKIES**

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

Hide

More info

[← Previous](#)

[^ Back to top](#)

### Navigate

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

### About the ERJ

- [Journal information](#)
- [Editorial board](#)
- [Reviewers](#)
- [CME](#)
- [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

- [Feedback](#)

### For authors

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

### For readers

- [Alerts](#)
- [Subjects](#)
- [Podcasts](#)
- [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

Print ISSN: 0903-1936  
 Online ISSN: 1399-3003

**THANK YOU FOR ACCEPTING COOKIES**

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


Hide

More info

Usually B is perceived as a purely neutrophilic disease. However, eosinophilic type of inflammation is observed in pts with B in clinical practice. The aim of the study was to determine the correlation between blood eosinophils level and sensitization to *Aspergillus fumigatus* (AF).

**Methods:** The study included cohort of pts with confirmed by HRCT B. Peripheral blood eosinophils were counted in stable phase. Total serum IgE was evaluated by using conventional electrochemiluminescence immunoassay (ECLIA) and specific IgE to AF was measured by immunoCAP technology. The methods of descriptive statistics and non-parametric statistics were used to process the results.

**Results:** 21 pts were examined (mean age 49.1±14.1years, 33.3% men). Eosinophil counts were <150cells/ul in 16 (76.2%) pts, 150-299 in 2 (14.3%) pts and 300-400 cells in 1 (9.5%) pts. Total serum IgE elevation was detected in 33.3% of pts (66.2 [24.7;107.2] ME/ml). Specific IgE to AF elevation – in 23% of pts (from 0.373 to 28.4 kU/L). The moderate positive correlation was detected between eosinophil

 [Email](#)
 [Alerts](#)
 [Citation Tools](#)
 [Request Permissions](#)
 [Share](#)

### Jump To

 [Article](#)
 [Info & Metrics](#)
[Tweet](#)
[Нравится 0](#)

**THANK YOU FOR ACCEPTING COOKIES**

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

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