



CLINICAL COMMUNICATIONS | ARTICLES IN PRESS

Cephalosporins can be safely administered to patients with verified penicillin allergy

Ami P. Belmont, MD • Chang Su, MD • Jason Kwah, MD, MSc  Published: May 26, 2023 • DOI: <https://doi.org/10.1016/j.jaip.2023.05.027> PlumX Metrics

Cephalosporins are too often avoided in patients with penicillin allergy. Administering cephalosporins appears to be safe, even in the highest-risk patients with verified penicillin allergy in a US cohort.

To read this article in full you will need to make a payment

Purchase one-time access:

Academic & Personal: 24 hour online access

Corporate R&D Professionals: 24 hour online access



► One-time access price info

Subscribe:

Subscribe to *The Journal of Allergy and Clinical Immunology: In Practice*



Already an online subscriber? [Sign in](#)

Register: [Create an account](#)

Institutional Access: [Sign in to ScienceDirect](#)

References

1. Khan D.A. • Banerji A. • Blumenthal K.G. • Phillips E.J. • Solensky R. • White A.A. • et al.
Drug allergy: a 2022 practice parameter update.
J Allergy Clin Immunol. 2022; **150**: 1333-1393
[View in Article](#)
[Scopus \(35\)](#) • [PubMed](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)
2. Macy E. • Contreras R.
Health care use and serious infection prevalence associated with penicillin “allergy” in hospitalized patients: a cohort study.
J Allergy Clin Immunol. 2014; **133**: 790-796
[View in Article](#)
[Scopus \(551\)](#) • [PubMed](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)
3. Macy E. • McCormick T.A. • Adams J.L. • Crawford W.W. • Nguyen M.T. • Hoang L. • et al.



Association between removal of a warning against cephalosporin use in patients with penicillin allergy and antibiotic prescribing.

JAMA Netw Open. 2021; **4**:e218367

[View in Article](#) 

[Scopus \(30\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)



two systematic reviews and meta-analyses.

J Allergy Clin Immunol Pract. 2019; **7**: 2722-2738.e5

[View in Article](#) 

[Scopus \(46\)](#) • [PubMed](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)

5. Romano A. • Valluzzi R.L. • Caruso C. • Zaffiro A. • Quaratino D. • Gaeta F.
Tolerability of cefazolin and ceftibuten in patients with IgE-mediated aminopenicillin allergy.

J Allergy Clin Immunol Pract. 2020; **8**: 1989-1993.e2

[View in Article](#) 

[Scopus \(22\)](#) • [PubMed](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)

6. Chiron A.
Allergy to third-and second-generation cephalosporins in confirmed penicillin-allergic patients.

J Allergy Clin Immunol Pract. 2020; **8**: 2409-2411

[View in Article](#) 

[Scopus \(3\)](#) • [PubMed](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)

7. Romano A. • Valluzzi R.L. • Caruso C. • Maggioletti M. • Quaratino D. • Gaeta F.
Cross-reactivity and tolerability of cephalosporins in patients with IgE-mediated hypersensitivity to penicillins.

J Allergy Clin Immunol Pract. 2018; **6**: 1662-1672

[View in Article](#) 

[Scopus \(75\)](#) • [PubMed](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)



8. Sánchez de Vicente J. • Gamboa P. • García-Lirio E. • Irazabal B. • Jáuregui I. • Martínez M.D. • et al.

Tolerance to cephalosporins and carbapenems in penicillin-allergic patients.

J Investig Allergol Clin Immunol. 2020; **30**: 75-76

[View in Article](#) 

[Scopus \(5\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)



Risk-stratified management to remove low-risk penicillin allergy labels in the patients with COVID-19 in the intensive care unit.

J Allergy Clin Immunol Pract. 2023; **11**: 632-635

[View in Article](#) 

[Scopus \(0\)](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)

Reference

1. Stollings J.L. • Koo G. • Lindsell C.J. • Dear M.L. • McCoy A. • Rice T.W. • et al.
Risk-stratified management to remove low-risk penicillin allergy labels in the patients with COVID-19 in the intensive care unit.

J Allergy Clin Immunol Pract. 2023; **11**: 632-635

[Scopus \(2\)](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)

Article info

Publication history

Published online: May 26, 2023

Accepted: May 17, 2023

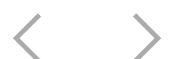
Received in revised form: May 16, 2023

Received: January 31, 2023

Publication stage

In Press Journal Pre-Proof

Footnotes



Conflicts of interest: The authors declare that they have no relevant conflicts of interest.

Identification

DOI: <https://doi.org/10.1016/j.jaip.2023.05.027>

Copyright

© 2023 American Academy of Allergy, Asthma & Immunology



[Access this article on ScienceDirect](#)

Related Articles

Home	COPD	Immunodeficiency	Drug Allergy Resources	Visual Summary Instructions
ARTICLES & ISSUES	Cough	Immunotherapy	2019 Year-in-Review Workshop	About Open Access
Articles In Press	COVID-19	Insect Sting Allergy	Expert Roundtable on Sublingual Immunotherapy	Permissions
Current Issue	Dermatitis	Mast Cell Disorders	Podcasts	Being Published in JACI: In Practice: A Guide for Authors
List of Issues	Difficult Cases	Practice Changers	SJS/TEN 2017 Series	Researcher Academy
Supplements	Drug Allergy	Practice Pearls	Online CME	Information for Reviewers
Cover Gallery	Drug Desensitization	Rhinitis and Sinusitis	FOR AUTHORS	JOURNAL INFO
Virtual Journal Club	Eosinophilic Disorders	Topics in Quality Improvement and Patient Safety	Instructions for Authors	About the Journal
COLLECTIONS	Eye Diseases	Urticaria and Angioedema	Submit a Manuscript	Diversity, Equity, and Inclusion Initiatives
AAAAI Reports	Food Allergy	Vocal Cord Dysfunction	Submit one of our Feature Articles	Editorial Board
Allergic Bronchopulmonary Aspergillosis	Health Disparities	MULTIMEDIA		New Alert:
Anaphylaxis	Hereditary Angioedema			it
Asthma	Hypersensitivity Pneumonitis			< >
CME				

[Activate Online Access](#)

[Info for Advertisers](#)

[Subscribe](#)

[Practice Resources](#)

[Facebook](#)

[About Open Access](#)

[Reprints](#)

[AAAAI](#)

[Professional](#)

[Twitter](#)

[Contact Information](#)

[About the AAAAI](#)

[Education and Training](#)

[Apply for Membership](#)

[FOLLOW US](#)



The content on this site is intended for healthcare professionals.

We use cookies to help provide and enhance our service and tailor content. To update your cookie settings, please visit the [Cookie 設定](#) for this site.

Copyright © 2023 Elsevier Inc. except certain content provided by third parties.

[Privacy Policy](#) [Terms and Conditions](#) [Accessibility](#) [Help & Contact](#)

