JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY
Official Journal of the American Academy of Allergy, Asthma and Immunology

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DESCRIPTION

The Journal of Allergy and Clinical Immunology publishes high-impact, cutting-edge clinical and translational research papers for allergists, immunologists, dermatologists, gastroenterologists, and other physicians and researchers interested in allergic diseases and clinical immunology. Articles cover such topics as asthma, food allergy, allergic rhinitis, atopic dermatitis, primary immune deficiencies, occupational and environmental allergy, and other allergic and immunologic diseases, and include clinical trials and mechanistic studies that report on novel therapies, insights into underlying mechanisms, and other discoveries that will inform our understanding of these diseases and ultimately improve the diagnosis and management of patients. With an impact factor of 12.485, the journal ranks 1st of 25 in the Allergy category and 5th of 150 in the Immunology category in the 2015 Journal Citation Reports®, published by Thomson Reuters. The Journal of Allergy and Clinical Immunology is also recommended for initial purchase in the Brandon-Hill study, Selected List of Books and Journals for the Small Medical Library.

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ABSTRACTING AND INDEXING

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(4) List the references as complete bibliographic citations at the end of the letter with the journal article being discussed as the first reference (see section A9 for formatting). The total number of references should be no more than seven. Replies should include the Correspondence to which they are replying as one of the references.

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(6) Begin with the salutation "To the Editor:" and close with the author's name(s), academic degree(s), institutions(s), and location(s).

**Review articles**

**D.** Review articles published in the Journal are invited by the Editors. Proposals for review articles may be emailed to the Editorial Office (jaci@aaaai.org), but current space constraints do not usually allow for the acceptance of unsolicited review manuscripts.

**Rostrum articles**

**E.** Opinion articles about subjects of particular interest and/or debate may be accepted for peer review after preliminary review by the Editor. Proposals for rostrum articles may be emailed to the Editorial Office (jaci@aaaai.org); they will be evaluated based on level of interest, novelty, and the current needs of the Journal.
**Essential title page information**

- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
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**Structured abstract**

A structured abstract, by means of appropriate headings, should provide the context or background for the research and should state its purpose, basic procedures (selection of study subjects or laboratory animals, observational and analytical methods), main findings (giving specific effect sizes and their statistical significance, if possible), and principal conclusions. It should emphasize new and important aspects of the study or observations.

**Graphical abstract**

Although a graphical abstract is optional, its use is encouraged as it draws more attention to the online article. The graphical abstract should summarize the contents of the article in a concise, pictorial form designed to capture the attention of a wide readership. Graphical abstracts should be submitted as a separate file in the online submission system. Image size: Please provide an image with a minimum of 531 × 1328 pixels (h × w) or proportionally more. The image should be readable at a size of 5 × 13 cm using a regular screen resolution of 96 dpi. Preferred file types: TIFF, EPS, PDF or MS Office files. You can view Example Graphical Abstracts on our information site.

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If no funding has been provided for the research, please include the following sentence:

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

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Follow internationally accepted rules and conventions: use the international system of units (SI). If other units are mentioned, please give their equivalent in SI.

**Math formulae**

Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).
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Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors build footnotes into the text, and this feature may be used. Should this not be the case, indicate the position of footnotes in the text and present the footnotes themselves separately at the end of the article.

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Electronic artwork
General points
• Make sure you use uniform lettering and sizing of your original artwork.
• Preferred fonts: Arial (or Helvetica), Times New Roman (or Times), Symbol, Courier.
• Number the illustrations according to their sequence in the text.
• Use a logical naming convention for your artwork files.
• Indicate per figure if it is a single, 1.5 or 2-column fitting image.
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TIFF (or JPEG): Color or grayscale photographs (halftones): always use a minimum of 300 dpi.
TIFF (or JPEG): Bitmapped line drawings: use a minimum of 1000 dpi.
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Chapter in a book:

Internet resource:

Dataset

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**Additional information**

**Special instructions regarding submissions using animal models**

1. Animal model studies of interest to the JACI. The Editors would be interested in an animal-model study only if it highlights a new conceptual advance using an experimental approach that would be very difficult, impractical, or unethical to do in human beings. The authors should clearly indicate in their cover letter how their animal-model study meets these criteria.

2. Mouse pulmonary function tests. The JACI’s policy is that measurement of airway responsiveness by unrestrained, single-chamber barometric plethysmography (the Penh method) must be confirmed by invasive techniques. For further explanation of this policy, please see Finkelman FD. J Allergy Clin Immunol 2008;121:334-5.

3. The JACI encourages authors of animal-model papers to consult and adhere to the ARRIVE (Animal Research: Reporting of In Vivo Experiments) guidelines, available at [http://www.nc3rs.org.uk/ARRIVE](http://www.nc3rs.org.uk/ARRIVE).

**Special instructions regarding statistical analyses and reporting**

Although referees with statistical expertise typically review manuscripts submitted to the JACI, the Editorial Board decided that the quality of the manuscripts could be improved by providing authors some guidance on statistical analyses and reporting. Therefore, the JACI Statistical Editor has constructed the following guidelines, which incorporate many comments from Editorial Board members and statistical referees.

1. **METHODS:** Reporting on Statistical Methods. The Consolidated Standards of Reporting Trials (CONSORT) statement is a set of guidelines for reporting on the methods and results of randomized and nonrandomized medical research studies. It is available at the following Web site: [http://www.consort-statement.org](http://www.consort-statement.org).

The first CONSORT statement provides a checklist of items that should be included in a manuscript that reports the results of a randomized clinical trial (RCT). Items 7 through 12 of the checklist are relevant to the statistical methods section for a manuscript submitted to the JACI based on a RCT. Thus:

jacichart1.jpg"

With respect to item 12, the statistical methods and commercial software should be cited.
Item 7 and item 12 of the checklist are relevant to the Statistical Methods section of a manuscript submitted to the JACI based on a nonrandomized study. Thus:

2. Results.
Items 13 through 19 of the CONSORT checklist describe items that are important to the Results section for a manuscript submitted to the JACI based on a RCT (some of the items might not be relevant if the study is nonrandomized). Thus:

2A. Results: Descriptive Statistics at Baseline
If the distribution for a continuous variable is approximately normally distributed, then report either
• the sample mean and the sample standard deviation
or
• the sample mean and the 95% confidence interval for the population mean.

If the distribution for a continuous variable is known (or suspected) to be non-normal, then report either
• the sample median and the sample interquartile range
or
• the sample median and the sample first and third quartiles.

Many blood and urine measurements are log-normally distributed—i.e., the log-transformed variable is approximately normally distributed. If the distribution for a continuous variable is known (or suspected) to be lognormal, then an alternative to sample medians and quartiles is to report either
• the sample geometric mean (calculate as the exponentiation of the sample mean of the natural log-transformed data) and the sample coefficient of variation
or
• the sample geometric mean and the 95% confidence interval.

If the distribution of the variable is categorical, then report the raw numbers and the percentages for the categories. Do not use more than three digits for the percentages—i.e., 79% or 79.3% are fine, but 79.32% is not.

Statistical tests, along with reported P values, for comparing groups at baseline are not necessary unless there is a strong reason to include them.

2B. Results: Outcomes
Every P value should be reported using two digits after the decimal point. If each of the first two digits after the decimal point is zero, then a third digit can be used. If each of the first three digits after the decimal point is zero, then simply report \( P < .001 \).

If the P value is close to the level to be used for claiming a statistical significance or if each of the first two digits after the decimal point is zero, then a third digit can be used. For example, if the significance level is 0.05, then \( P = .046 \) or \( P = .054 \) can be reported. Nonsignificant results (e.g., where the P value is >0.05) should be accompanied by P values; it should not simply be stated that they are nonsignificant (NS).

P values alone are not sufficient to report the results of statistical tests. The JACI’S readers need to see the magnitude of the effects via point estimates and 95% confidence intervals for the group comparisons.

An estimate of odds ratios and relative risks (and their corresponding confidence interval estimates) should not exceed two digits beyond the decimal point.

The following is an excellent article that discusses many of the statistical errors that arise in immunologic research:
The following is an excellent article that discusses the reporting of subgroup analyses in clinical research: Wang R, Lagakos SW, Ware JH, Hunter DJ, Drazen JM. Statistics in medicine—reporting of subgroup analyses in clinical trials. NEJM 2007; 357:2189-2194.

Finally, if authors desire more detailed guidance on appropriate methods for analyzing study outcomes, then they can visit the Web sites of other biomedical journals. An excellent example is the Web site of *Annals of Internal Medicine* (http://www.annals.org/shared/author_info.html).

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