Instructions for Authors

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TYPES OF PAPERS

Original Article

Original Article papers are those that represent original research in the field of cardiovascular medicine and/or perfusion. These may be either clinical or laboratory studies.

Case Reports

Case reports describe a unique aspect of a clinical case or series of cases that have not been previously reported. These are generally brief in length and should contain the
following sections: Overview, Description, Comment, References (limit to less than 20).

**Techniques and Applications**

Techniques or application papers are descriptions of developing technologies that may or may not have been applied in a laboratory or clinical setting. These are generally short papers and should contain the following sections: Overview, Description, Discussion, References (limit to less than 20).

**Review Articles**

Review articles generally are written as exhaustive summations of the current knowledge in a subject area. These are generally long papers and contain the following sections: Introduction, Multiple Sections with Subheadings, Summary, References (no limit).

**Letter to the Editor**

Letter to the Editor abstracts should be short, unstructured single paragraphs, no longer than 150 words, emphasizing key findings in the article, and raising major points; 2) the abstract should not contain abbreviations or references; and 3) the total length of letters to the editor should be between 300 and 1,000 words and can include figures and tables. References (limit to less than 20).

Common Uses for the Letter to the Editor:

1. Comment on or re-analyze work previously published in JECT or some other journal.
2. Raising a topic of general interest either to the perfusion community or to the membership of our sponsoring society, AmSECT.
3. Used for brief reports of research findings within our Journal’s scope and those that are of interest to the perfusion community. This third form may be most useful in this COVID era of fast-moving developments, as a way to disseminate limited data. It could also be used to introduce compelling innovative concepts or propose new studies and research directions as well.

**Book Reviews**

Book reviews are performed on a regular basis of recent publications that are seminal to the field of cardiovascular perfusion and/or cardiovascular surgery.

**LANGUAGE SERVICES**

Text in the manuscript should be standard American English. Authors whose primary language is not English should consider having the manuscript reviewed by someone fluent in English and English grammar. Such a review will greatly improve the processing and acceptance of your manuscript by conforming to correct scientific English and eliminating possible grammatical or spelling errors. JECT does not provide grammatical editing services and will return manuscripts that do not meet the minimum language requirements for additional editing prior to acceptance into the manuscript review process.

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2. All authors must disclose any commercial association that might pose a conflict of interest. The disclosure is achieved by signing and submitting the conflict of interest form with the manuscript. Only authors with a conflict of interest are required to sign the conflict of interest form. If there are no conflicts of interest, indicate NONE on the form.
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5. Number the pages in footer (right justify) consecutively, beginning with the title page as page 1 and ending with the legend page.
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The abstract should be no longer than 300 words, and should state concisely the objectives of the paper. Abstracts should contain subheadings as follows: Background, Methods, Results, and Conclusion. Abstracts for Case Reports and Techniques and Applications articles should be shorter (200 words or less). Abstracts must accompany every contribution, except for Letters to the Editor and book reviews.

TEXT
1. The text should be organized as follows: Introduction, Materials and Methods, Results, Discussion, References.
2. Cite all references, figures, and tables in numerical order in the text. Citations should be on the line (nonsuperscript) and enclosed in parentheses. For example: The cited reference is at the end of the sentence (1).
3. Spell out on first mention of each term, even if they are commonly used, and put the abbreviation in parentheses after the first usage. Use the abbreviation for subsequent mentions. Example: Thromboelastograph (TEG).
4. Give all hematologic and clinical chemistry measurements in the International System of Units (SI). Refer to ISI Press Medical Style and Format, Edward J. Huth, ISI Press, 3301 Market St., Philadelphia, PA 19104. In general, measurements of length, height, weight and volume should be reported in metric units (i.e. meter, kilogram, liter) or their decimal multiples. Temperatures should be given in degrees Centigrade (˚C). Blood pressures should be given in millimeters of mercury (mmHg).
5. Identify all equipment and related materials by providing model number and device manufacturer, and include city, state and country of the company. Example: Hemochron Response (International Technidyne, Nevsky, NJ, USA). Cite all materials on the line immediately following first listing.
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CHAPTER IN BOOK

BOOK

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1. Use high quality resolution for all figures and tables. Handwritten lettering is not accepted.
2. One figure per page.
3. Submit all figures as JPG files.
4. Using black and white for all fill quantities of bar graphs enhances publication quality. Do not use gray shading for filling figure boxes. Multiple shades of gray do not reproduce well and should be avoided. All charts (bar graphs and pie charts) should be in two dimensional perspective. (See Example: Table 1)
5. The use of color in figures represents a significant increase in publication costs. If color figures are included, a $50.00 charge per color figure will be assessed to the primary author if the manuscript is accepted for publication.

6. Figures and tables should be self-explanatory, and data should not be duplicated in the text or illustrations. If the figure or table provides redundant information, it will be deleted.
7. Tables should be typed double-spaced on separate sheets, each with a number (Arabic) and title above table. One table per sheet. (see Example below)
8. Explanatory notes and legends are to be included as a list on a Legends page (see below) immediately following the last table or figure. Provide a key to each figure or table identifying all abbreviations in alphabetical order. The key should be placed below any explanatory notes.
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10. Figures and tables may be reduced in size by the publisher to suit space requirements.

Example:

Table 1. Coagulation assessment during ECMO for congenital heart disease.

<table>
<thead>
<tr>
<th>Event</th>
<th>PT (seconds)</th>
<th>aPTT (seconds)</th>
<th>Fibrinogen (mg dL-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-LHB</td>
<td>46.9</td>
<td>96</td>
<td>156</td>
</tr>
<tr>
<td>Day 1</td>
<td>19.2</td>
<td>100</td>
<td>221</td>
</tr>
<tr>
<td>Day 2</td>
<td>15.4</td>
<td>100</td>
<td>221</td>
</tr>
<tr>
<td>Day 3</td>
<td>16.0</td>
<td>56</td>
<td>112</td>
</tr>
<tr>
<td>Day 4</td>
<td>15.9</td>
<td>89</td>
<td>194</td>
</tr>
<tr>
<td>Preoperative</td>
<td>15.2</td>
<td>44</td>
<td>189</td>
</tr>
<tr>
<td>Postoperative</td>
<td>19</td>
<td>52</td>
<td>132</td>
</tr>
</tbody>
</table>

LEGENDS
Legends are the descriptions of figures, tables or other graphics. These should not be placed on the submitted figures, but should be typed double-spaced, and included on a separate sheet. Numbers should be Arabic and correspond to the order in which the illustrations occur in the text. Identify (in alphabetic order) all abbreviations appearing in the illustrations at the end of each legend. Example: CP - Centrifugal Pump; PP - Pneumatic Pump; RP - Roller Pump.

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Example legends:

Table 1. Coagulation assessment during the first 10 days of life. AT III, Antithrombin III; FSP, Fibrin Split Products; Hct., Hematocrit.

Table 2. Thromboelastographic assessment during ATIII concentrate infusion. K Time, Kinetic time denoting rate of clot growth; R Time, Reaction Time for initial clot development; Max. Amp., Maximum Amplitude.

Figure 1. Pre-AT-III concentrate infusion profile with an AT-III activity.

Figure 2. Platelet count and fibrinogen concentration during neo-natal ECMO. FIB, Fibrinogen concentration; PLT Ct., Platelet Count.

HUMAN INVESTIGATION

Include the date of Institutional Review Board or human research committee approval, or the ethical guidelines that were followed by the investigators in the Materials and Methods section of the manuscript.

HUMANE ANIMAL CARE

The Materials and Methods section of the manuscript must contain a statement assuring that all animals used in the study received humane care in compliance with the “Guide for the Care and Use of Laboratory Animals,” published by the National Institutes of Health (NIH Publication No. 85-23, revised 1985).

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1. Review how other authors have produced visual abstracts. One resource is “#visualabstract” on Twitter located at: https://twitter.com/search?q=%23visualabstract&src=typd

2. Create a draft of the visual abstract that includes the study population, methods used and key finding of your study using the visual abstract template available on the JECT Editorial Manager site.

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   ii. https://all-free-download.com/free-icon/

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