Overview

The *International Journal of Radiation Oncology • Biology • Physics* (IJROBP), known in the field as the Red Journal, offers authoritative articles linking new research and technologies to clinical applications. Original contributions by leading scientists and researchers include experimental studies of combined modality treatment and relevant innovations in tumor sensitization, especially at the molecular level, normal tissue protection, including both precision avoidance and biochemical means, brachytherapy, particle irradiation, and tumor imaging. Technical advances related to dosimetry and conformal radiation treatment planning are also included.

**Display Advertising**

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646-671-0385  
b.hipple@elsevier.com

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**Recruitment Advertising**

Jaesam Hong, Global  
212-633-3713  
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**Global Print Circulation**  
5,512

**Avg. Global Monthly Visits**  
41,441

**Avg. Global Monthly Unique Visitors**  
34,862

**Avg. Global Monthly Page Views**  
60,351

**Avg. Global eTOC Distribution**  
18,496
## Affiliation
American Society for Radiation Oncology

## Audience
ASTRO members, associates and technicians; radiologists, oncologists, radiation associates and technicians; radiation oncologists, radiation therapy specialists, medical physicists, biologists, residents, interns, and technicians; medical schools and hospital libraries.

## Editor-in-Chief
Sue Yom, MD

## Issuance
16 times per year

### Print Closings

<table>
<thead>
<tr>
<th>VOLUME/ISSUE</th>
<th>PUBLICATION DATE</th>
<th>SPACE CLOSING</th>
<th>RUN OF BOOK ARTWORK DUE</th>
<th>PREPRINTED SUPPLIED PIECES DUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>115/2</td>
<td>1 February 2023</td>
<td>12/06/2022</td>
<td>12/09/2022</td>
<td>12/16/2022</td>
</tr>
<tr>
<td>115/3</td>
<td>1 March 2023</td>
<td>12/29/2022</td>
<td>01/04/2023</td>
<td>01/11/2023</td>
</tr>
<tr>
<td>115/4</td>
<td>15 March 2023</td>
<td>01/24/2023</td>
<td>01/27/2023</td>
<td>02/03/2023</td>
</tr>
<tr>
<td>115/5</td>
<td>1 April 2023</td>
<td>02/10/2023</td>
<td>02/15/2023</td>
<td>02/23/2023</td>
</tr>
<tr>
<td>116/1</td>
<td>1 May 2023</td>
<td>03/13/2023</td>
<td>03/20/2023</td>
<td>03/27/2023</td>
</tr>
<tr>
<td>116/2</td>
<td>1 June 2023</td>
<td>04/13/2023</td>
<td>04/18/2023</td>
<td>04/25/2023</td>
</tr>
<tr>
<td>116/3</td>
<td>1 July 2023</td>
<td>05/04/2023</td>
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<td>05/16/2023</td>
</tr>
<tr>
<td>116/4</td>
<td>15 July 2023</td>
<td>05/25/2023</td>
<td>05/31/2023</td>
<td>06/07/2023</td>
</tr>
<tr>
<td>116/5</td>
<td>1 August 2023</td>
<td>06/14/2023</td>
<td>06/19/2023</td>
<td>06/26/2023</td>
</tr>
<tr>
<td>117/1</td>
<td>1 September 2023</td>
<td>07/17/2023</td>
<td>07/20/2023</td>
<td>07/27/2023</td>
</tr>
<tr>
<td>117/2</td>
<td>1 October 2023</td>
<td>08/02/2023</td>
<td>08/07/2023</td>
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<td>117/2S</td>
<td>1 October 2023</td>
<td>08/02/2023</td>
<td>08/07/2023</td>
<td>08/14/2023</td>
</tr>
<tr>
<td>117/3</td>
<td>1 November 2023</td>
<td>08/23/2023</td>
<td>08/28/2023</td>
<td>09/05/2023</td>
</tr>
<tr>
<td>117/4</td>
<td>15 November 2023</td>
<td>09/15/2023</td>
<td>09/20/2023</td>
<td>09/27/2023</td>
</tr>
<tr>
<td>117/5</td>
<td>1 December 2023</td>
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<td>11/01/2023</td>
</tr>
<tr>
<td>118/1</td>
<td>1 January 2024</td>
<td>11/14/2023</td>
<td>11/17/2023</td>
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</tr>
</tbody>
</table>

### Cancellations:
No cancellations will be accepted after closing date. Covers and preferred positions are non-cancellable. Dates subject to change.
## Rates

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>FULL PAGE (BLACK &amp; WHITE)</th>
<th>1/2 PAGE (BLACK &amp; WHITE)</th>
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</thead>
<tbody>
<tr>
<td>1x</td>
<td>$3,830</td>
<td>$2,750</td>
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<tr>
<td>3x</td>
<td>$3,695</td>
<td>$2,670</td>
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<tr>
<td>6x</td>
<td>$3,530</td>
<td>$2,590</td>
</tr>
<tr>
<td>12x</td>
<td>$3,420</td>
<td>$2,485</td>
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<tr>
<td>18x</td>
<td>$3,265</td>
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<tr>
<td>24x</td>
<td>$3,135</td>
<td>$2,305</td>
</tr>
<tr>
<td>36x</td>
<td>$2,970</td>
<td>$2,205</td>
</tr>
</tbody>
</table>

### Premium Positions
- Cover 4: 50% B/W Page rate
- Cover 2: 35% B/W Page rate
- Cover 3: 25% B/W Page rate
- Opposite TOC: 25% B/W Page rate
- First Right Hand Page: 25% B/W Page rate
- Other Preferred Positions: 10% B/W Page rate

### Earned Rates
Rates are based on the total units earned during a twelve-month period. Space purchased by a parent company and its subsidiaries is combined to determine earned rate.

For information about our Agency discount (including those for in-house agencies), please contact your Sales Representative.

### Inserts
Furnished inserts are billed at the black and white rate times the number of insert pages.

**Two-page insert (one leaf):** Two-times earned frequency rate.

**Four-page or larger insert:** Black & White earned frequency rate.
Acceptance of Advertising

The Publisher, Editor, and Association reserve the right to reject any advertising for any reason. Advertiser shall indemnify and hold harmless the Publisher, Editor, and the owner of the journal from and against any loss, expense, claim, or liability resulting from their advertisement. Advertiser warrants that its advertisements comply with all applicable laws, rules, and regulations. New copy must be submitted by ad space closing date.

*State and local taxes may apply.

Classified / back of book print closings

<table>
<thead>
<tr>
<th>VOLUME/I ssue</th>
<th>PUBLICATION DATE</th>
<th>CLASSIFIED SPACE CLOSING &amp; RUN OF BOOK ARTWORK DUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>115/2</td>
<td>1 February 2023</td>
<td>11/30/2022</td>
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<td>1 March 2023</td>
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<tr>
<td>116/1</td>
<td>1 May 2023</td>
<td>03/09/2023</td>
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Classified / back of book print advertising

Rates

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>FULL PAGE (BLACK &amp; WHITE)</th>
<th>1/2 PAGE (BLACK &amp; WHITE)</th>
<th>1/4 PAGE (BLACK &amp; WHITE)</th>
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<tbody>
<tr>
<td>1x</td>
<td>$3,500</td>
<td>$2,615</td>
<td>$2,205</td>
</tr>
<tr>
<td>3x</td>
<td>$3,355</td>
<td>$2,420</td>
<td>$1,930</td>
</tr>
<tr>
<td>6x</td>
<td>$3,325</td>
<td>$2,270</td>
<td>$1,710</td>
</tr>
<tr>
<td>12x</td>
<td>$3,170</td>
<td>$2,225</td>
<td>$1,690</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATCHED COLOR</th>
<th>3/4 COLOR</th>
<th>STANDARD COLOR</th>
<th>CLASSIFIEDS (BACK-OF-BOOK)</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>$815</td>
<td>$1,955</td>
<td>$590</td>
<td>$690</td>
<td></td>
</tr>
</tbody>
</table>

Confidential Email Inbox

Cost: $40.

Agency Discount

For information about our Agency discount (including those for in-house agencies), please contact your Sales Representative.

Cancellations:

Must be received in writing on or before the announced closing date.

Run of Book Print Ads

Sizing

Trim: 8” x 10-3/4”

Keep live matter 1/4” from all trim edges.

Binding: Perfect; Jogs to head

Printing Process: Litho Web

Halftone Screen: Cover: 150 line screen Text: 150 line screen

<table>
<thead>
<tr>
<th>AD SIZE</th>
<th>NON-BLEED</th>
<th>BLEED</th>
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</thead>
<tbody>
<tr>
<td>Trim</td>
<td>8” x 10-3/4”</td>
<td>-</td>
</tr>
<tr>
<td>Full Page</td>
<td>7-1/2” x 10-1/4”</td>
<td>8-1/4” x 11”</td>
</tr>
<tr>
<td>Spread</td>
<td>15” x 10”</td>
<td>16-1/3” x 11”</td>
</tr>
<tr>
<td>1/2 Horizontal</td>
<td>7” x 5”</td>
<td>8-1/4” x 5-3/8”</td>
</tr>
<tr>
<td>1/2 Vertical</td>
<td>3-1/2” X 10”</td>
<td>4-1/4” X 11”</td>
</tr>
<tr>
<td>1/4 Page</td>
<td>3-1/2” X 5”</td>
<td></td>
</tr>
</tbody>
</table>
Specifications

File Format

**PDF or PDF/X-1a compliant files, saved as PDF version 1.3.**

Transparencies within the supplied PDF(s) will be warned. The transparent elements contained in your file(s) must be converted within the native layout application or flattened in Acrobat using the High Resolution Flattener Presets to avoid overprint issues.

Saving your PDF to Acrobat 4 (PDF 1.3) compatibility will ensure transparent elements are flattened. If the ad contains spot colors that are not converted to process colors (CMYK) before flattening, overprint and/or trap issues may occur.

The following layout applications yield the optimum results for creating a print-compliant PDF and are expected to follow all requirements listed in this document:

- InDesign version 2 or higher (CS preferred)
- QuarkXPress version 6.5 or higher

Additional costs may apply if problems are encountered.

*NOTE: When using Adobe Illustrator it is preferred to have all fonts converted to outline/paths, and files submitted as EPS files.*

Images

All high-resolution images and fonts must be included. TIFF & EPS files must conform to the following minimum resolution specifications:

- Grayscale and Color images: 300 dpi
- Combination Grayscale and Color images: 500-900 dpi
- Line art (Bitmap) images: 900-1200 dpi

Higher image resolutions are acceptable as they exceed the minimum requirements, but in some cases unnecessary resolution will be discarded to achieve smaller file sizes.

Fonts

Use of PostScript Type 1 fonts is encouraged. Include fonts for any embedded graphics. **DO NOT use Type 3 or Multiple Master fonts. Avoid using Macintosh menu-stylized fonts, Macintosh “city” fonts (Chicago, Geneva, etc.) and Microsoft Outlook fonts (Tahoma, Impact, etc.).**
Page Layout

Regardless of the file format supplied, all ads must conform to the following specifications:

- Final size must meet journal trim size and include 1/8" bleed image on all four sides.
- Files will include trim marks with a minimum 3/16" offset.
- No content is to be within 1/4" of all trim edges.
- Supply as single page files only.
- Right Reading, Portrait Mode, 100% size, No Rotation.
- Supply fonts embedded and included with the file, and conform to the format type listed above. Images must also conform to the specifications above for minimum image resolution.
- Supply as single page files only.
- Right Reading, Portrait Mode, 100% size, No Rotation.
- All fonts and graphics must be either embedded or included with the file, and conform to the format type listed above. Images must also conform to the specifications above for minimum image resolution.
- All color ads should be supplied as composite files.
- Reverse type should be no less than 6pt. Fine lettering (thin lines, serifs) should be restricted to one color.
- Embedded images should not be scaled, cropped/masked or rotated within the page layout application but instead should be manipulated in a proper image editing program (ex. Photoshop) and then imported into the page layout program at proper size and position.
- DO NOT nest EPS files within EPS files.
- All lines and line art images should be of a minimum 1/3 pt thickness (1/2 pt for reverses) at final size to reproduce effectively on press.
- Crop marks and SWOP color bars must be included and positioned 1/2" outside trim.

Color Space

All color images and files are to be supplied as CMYK with a Total Area Coverage (TAC) not to exceed 300% for the darkest area of an image. Files supplied as RGB will be automatically converted to CMYK.

Spot Colors

Spot colors are to be identified using the standard Pantone naming convention and not a custom color such as "Dark Blue." PMS colors will be converted to process unless otherwise specified. When using both art and layout programs be sure spot color naming is consistent in all applications (ex. Do not define both PMS 201CV and PMS 201CVC). Any non-intended spot colors will be converted to CMYK.

Trapping and Screening

Overprints and knockouts should be defined. Files are NOT to be trapped or prescreened. Our Prepress service provider will use industry recognized trapping software to auto-trap your files for optimum performance and reproduction on press and will apply the appropriate screening. Note that these trap settings may force small text and fine graphics to overprint to hold registration on press.

Proofs

If submitting a proof for color match on press, please send a SWOP-certified contract color proof (with SWOP proofing bar or GATF proof comparator), produced from the final submitted file and imaged at 100% scale. Revised proofs must be supplied whenever a text or design change is made. For a list of current SWOP-approved proofs visit https://idealliance.org/systems-certification/certified-hard-copy-proofing-systems/. Desktop inkjet printer proofs do not meet SWOP specifications. Elsevier cannot guarantee color match unless acceptable proof is provided. If a contract proof is not supplied Elsevier will run to standard ink densities and dot gains.

Delivery

Submit PDF ad files to Elsevier ad portal at www.ads4els.com

Conformance to Specs

Variances from the above specifications may not yield results that conform to Elsevier quality control standards.
Supplied Print Ad Pieces

Size - 2 page: 8-1/4" x 11"
Size - 4 page: 16-1/2" x 11"

Trimming: For 2 page 80# text preferred; 4 to 8 pages – 60# text minimum; 80# text maximum. Inserts that do not meet these minimum/maximum weights must be sent to the publisher two weeks prior to advertising close date for evaluation and print compatibility.

Closing Date for Booking Inserts: Same as ad space closing
Insert delivery date: See Insert due dates

All inserts must be submitted to Publisher for approval of stock, design and other mechanical specifications. Copy of insert must accompany insertion order.

Note: Failure to meet insert specifications & packaging guidelines may result in additional charges and/or delays with insertion.

Insert Quantity

Contact Ad Sales Services. For conference copy distribution, contact Ad Sales Services.

Insert Packing & Shipping Instructions

Inserts packed one up, folded if four pages, flat if two pages. All inserts must be delivered to the printer in cartons, with journal title, quantity, product & issue date (month/year) clearly marked. If shipping inserts for more than one issue date, inserts must be packed separately and clearly marked indicating journal title, issue date (month/year) and quantity.

Insert Shipments Address

International Journal of Radiation Oncology
• Biology • Physics

LSC Communications
13487 South Preston Highway
LEBANON JCTN, KY 40150
United States
Attn: Elsevier Team

Disposition of Reproduction Materials

All digital ad files will be held for twelve months only unless otherwise notified. Left over inserts will be held until the issue mails. After issue mailing is completed any unused inserts for that issue will be destroyed unless otherwise indicated on the insertion order. Excess inserts held in storage beyond completion of insertion date will be subject to storage charges.

For Contracts, Insertion Orders & Production Materials

Send new print ad files and submit pickup ads to www.ads4els.com.
Digital Specs

Website

<table>
<thead>
<tr>
<th>POSITIONS</th>
<th>AD</th>
<th>SIZE (PIXELS)</th>
<th>EXPANDABLE (PIXELS)</th>
<th>EXPANDABLE DIRECTION</th>
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<tbody>
<tr>
<td>Top</td>
<td>Leaderboard</td>
<td>728 x 90</td>
<td>728 x 315</td>
<td>Down</td>
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<tr>
<td>Top</td>
<td>Mobile Leaderboard</td>
<td>300 x 50 or 320 x 50</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Side</td>
<td>MPU</td>
<td>300 x 250</td>
<td>600 x 250</td>
<td>Left</td>
</tr>
<tr>
<td>Side</td>
<td>skyscraper</td>
<td>160 x 600 or 120 x 600</td>
<td>320 x 600</td>
<td>Left</td>
</tr>
<tr>
<td>On page load</td>
<td>Prestitial*</td>
<td>300 x 250 or 480 x 640</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

**FORMATS**
- jpeg, png, gif, HTML5†, 3rd party tags

**TRACKING PIXELS**
- Yes

**MAX FILE SIZE**
- 200 KB

**MAX ANIMATION (TIME/LOOPS)**
- 15 seconds/ 3 loops

**PRESTITIAL FREQUENCY**
- 1 impression/6hrs/user

*Supply iFRAME tags for scrolling elements in ad; HTML5 must be provided as a 3rd party tag for prestitial banners.

†Excluding personally identifiable information (PII).

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**eTOC Email**

<table>
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<tr>
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<td>Middle</td>
<td>MPU</td>
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</tbody>
</table>

**FORMATS**
- jpeg, png, gif (static image only)

**TRACKING PIXELS**
- No

**MAX FILE SIZE**
- 200 KB

MPU banners, positions 1, 2, 3, are stacked vertically
Animation and expandable banners unavailable

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**AIP Email**

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Animation and expandable banners unavailable

Contact your sales representative for all digital advertising rates and opportunities.
1. Applicability

These terms and conditions shall apply to all offers, proposals and agreements made between Elsevier and any third party or its agent(s) ("the Client") relating to the products and/or services of Elsevier ("the Products and/or Services") and, along with the relevant Elsevier order acknowledgment, shall form the entire agreement between the parties (the "Agreement"). They supersede any previous supply terms and conditions.

For the purposes of the TC Elsevier shall mean the company within the Elsevier group that is providing the Products or Services set out on the Elsevier order acknowledgment or invoice. Where general terms and conditions of business are prepared by the Client, these shall apply and the TC will be modified. Any variation to the TC and any representations about the Products and Services shall have no effect unless Elsevier agrees in writing and signs an authenticated signature of Elsevier. Nothing in the TC or elsewhere in Elsevier’s Liability for fraudulently misrepresented. Where Products are sold to the Client that contain third party software or service such a side may be subject to additional licence terms.

2. Offer and acceptance/Description

Such order for the products and services contained in the TC shall be in the form of an order acknowledged by Elsevier. Elsevier shall have the right to decline any order by the Client.

3. Price, taxes and currency

Unless otherwise agreed by Elsevier in writing the price for the Products and Services shall be as set out in Elsevier’s current price list (whether point or online). All such price lists shall be exclusive of any handling, packing, loading, freight, transport and insurance charges unless expressly included in the TC, unless excluded in the TC or unless otherwise agreed in writing.

4. Payment and credit

Payment shall be made in accordance with the payment terms of the TC unless otherwise agreed in writing.

5. Delivery and title

Title to the Products and/or Services shall pass from Elsevier to the Client when the Products and/or Services are delivered to the Client by Elsevier. Except as otherwise expressly agreed in writing, title shall not pass to the Client until the Client has paid to Elsevier for them in full, unless the TC provides otherwise.

6. Risk and insurance

The Client shall at all times during the term strictly comply with all applicable laws, ordinances, codes, regulations, and administrative and judicial authority ("applicable Law") having jurisdiction over the Client, including, without limitation, the Health Insurance Portability and Accountability Act of 1996 and all regulations, rules, and technical standards promulgated thereunder or otherwise adopted by any governmental body or any governmental agency, enterprise, or any governmental authority, or industry, or as required by applicable Law, and shall not engage in any conduct, activity, or transaction (whether or not occurring in the course of business or otherwise) that would result in the Client being subject to any penalty, fine or any other liability.

7. Cancellation & Returns

Payment does not include a payment of reasonable and bona fide expenditures, such as travel or lodging expenses, which are not chargeable to the Client.

8. Liability and claims

The Client shall not engage in piracy, reproduction, or plagiarism of the Products or any other products of Elsevier or its affiliates, nor shall it directly or indirectly facilitate any other party to engage in those activities. The Client shall promptly notify Elsevier if it becomes aware of any piracy, reproduction, or plagiarism of the Products for any reason.

9. Force majeure

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