## Aims and Scope

The Journal of Radiotherapy in Practice is a peerreviewed journal covering all of the current modalities specific to clinical oncology and radiotherapy. The Journal aims to publish quality research from a wide range of styles and encourage debate and the exchange of information and opinion from within the field of radiotherapy practice and clinical oncology. The Journal also aims to encourage technical evaluations and case studies as well as equipment reviews that will be of interest to an international radiotherapy market.

The Journal of Radiotherapy in Practice aims to provide an easily available forum for education matters by publishing regular high-standard Continuing Professional Development articles.

The Journal of Radiotherapy in Practice will include research papers, scientific papers, technical articles, case studies and review articles relevant to anyone with an interest in clinical oncology and radiotherapy including: research; treatment planning; radiotherapy techniques/ protocols; portal imaging; continuing professional development; education and training; new technology; networking.

The Editor-in-Chief welcomes any suggestions to submission of manuscripts to the journal. Please refer to the online Instructions to Authors available at www.journals.cambridge.org/jrp. Please write to the Editor-in-Chief if you require further assistance in submitting an article for publication.

### **Publisher**

**Dan Edwards**, Commissioning Editor, Cambridge University Press, Journals, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, UK.

Tel: 44 (0)1223 326491 Fax: 44 (0)1223 325802

E-mail: dedwards@cambridge.org

## **Subscriptions**

Journal of Radiotherapy in Practice is published annually in one Volume of four Issues in March, June, September and December. The subscription rate for 2012, Volume 11 is:

- ullet Individual rate £115 or \$220
- $\bullet$  Institutional rate £265 or \$495

Correspondence concerning subscriptions should be addressed to: Journals Customer Services, Cambridge University Press, Edinburgh Building, Cambridge CB2 8RU, UK.

Tel: +44 (0)1223 326070 Fax: +44 (0)1223 325150

E-mail: journals\_subscriptions@cambridge.org Web: www.cambridge.org; Cambridge Journals

Online: www.journals.cambridge.org.

### Advertising Sales

Please contact Cambridge University Press, Advertising and Special Sales, Journals, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, UK.

Tel: +44 (0)1223 325757 Fax: +44 (0)1223 325802

E-mail: ad\_sales@cambridge.org

## Abstracting/Indexing

The Journal of Radiotherapy in Practice is indexed and abstracted in EMBASE/Excerpta Medica.

## Copyright

ISSN 1460-3969

© Cambridge University Press 2012. Apart from fair dealing for the purposes of research or private study, or criticism or reviews, as permitted under the Copyright, Designs and Patents Act, 1988, this publication may only be reproduced, stored or transmitted, in any form or by any means, with the prior permission in writing of the publishers (Cambridge University Press, Edinburgh Building, Shaftesbury Road, Cambridge, CB2 8RU, UK), or in the case of reprographic reproduction in accordance with the terms of licences issued by the Copyright Licensing Agency, 90 Tottenham Court Road, London WIP 9HE, UK.

Notes to users in USA. Authorisation to photocopy items for internal or personal use is granted by Cambridge University Press provided that the appropriate fees are paid directly to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. For more information please contact CCC. For territories outside North America, permission should be sought direct from the copyright holder. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising and promotional purposes, for creating new collective works, or for resale.

Typeset by NewGen Imaging Systems Private Limited, Chennai, India. Printed in Great Britain by Bell & Bain.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

## **JOURNAL OF**

## RADIOTHERAPY IN PRACTICE

## **CONTENTS**

| In this issue                                                                                                                                                                                                                                                         | 199 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| ORIGINAL ARTICLES  The departmental impact of magnetic resonance imaging in the management of cervical cancer brachytherapy: a discussion paper M.J. Warren, A. Eddy                                                                                                  | 201 |
| Assessment of set-up discrepancies using daily portal imaging during radiotherapy treatment for patients with spine and bone metastases  L. Young, C.M. Blyth                                                                                                         | 209 |
| Using focus groups in radiation therapy research: Ethical and practical considerations Caroline.A. Wright, Michal.E. Schneider-Kolsky, Brian Jolly, Marilyn.A. Baird                                                                                                  | 217 |
| Effect of smoothing on treatment plan efficiency in IMRT: eclipse Helios™ dose optimisation KS Armoogum                                                                                                                                                               | 229 |
| Comparison of geometric uncertainties between alpha cradle and thermoplastic ray cast immobilisation in abdominopelvic radiotherapy: a prospective study Saikat Das, Subhashini John, Paul Ravindran, Rajesh Isiah, Rajesh B, Selvamani Backianathan, Rabi Raja Singh | 239 |
| Manuka honey mouthwash does not affect oral mucositis in head and neck cancer patients in New Zealand Emma Parsons, Aubrey Begley, Patries Herst                                                                                                                      | 249 |
| Conformal radiotherapy plus high dose rate brachytherapy prostate boost in patients with intermediate and high risk prostate cancer: our experience in Asian males  Mutahir A.Tunio, Altaf Hashmi, Amjad Sattar, Rehan Mohsin, Shoukat Ali, Amir Maqbool              | 257 |
| CASE STUDY                                                                                                                                                                                                                                                            |     |
| Multiple myeloma relapse in the irradiated liver: involvement of hepatocyte growth factor akin to that after hepatocyte transplantation  Akiko Uetake, Atsuya Takeda, Naoyuki Shigematsu, Eijilkeda, Minako Kametaka, Etsuo Kunieda, Toshio Ohashi                    | 271 |

# Sign up to Cambridge Journals Online

## You can now:

- > Access complimentary sample material
- > Register for table-of-contents email alerts and stay up-to-date with the latest findings
- > Save searches
- > Download citations to reference management software

To register, visit journals.cambridge.org/register



MIX
Paper from responsible sources
FSC® C007785

