JOURNALS

International Journal of Disability Management

Published for the International Forum on Disability Management

Editor-in-Chief

Nicholas Bellamy, University of Queensland, Australia

International Journal of Disability Management publishes research findings in areas including prevention of injury and disability, occupational rehabilitation and employment of people with injury and disability. The journal has a particular aim of encouraging and publishing findings from studies conducted in a range of countries that focus on disability management interventions in the workplace.



International Journal of Disability Management

is available online at: http://journals.cambridge.org/idm

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Free email alerts

Keep up-to-date with new material – sign up at journals.cambridge.org/idm-alerts

For free online content visit: http://journals.cambridge.org/idm



JOURNALS

Journal of Biosocial Science

Editor

C. G. N. Mascie-Taylor, University of Cambridge, UK

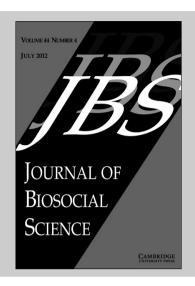
Journal of Biosocial Science is a leading journal in the field of biosocial science, the common ground between biology and sociology. It is an essential reference guide for all biological and social scientists working in such areas as reproduction and its control, gerontology, ecology, genetics, applied psychology, sociology, education, criminology, demography, health and epidemiology. Publishing original research papers, short reports, reviews, lectures and book reviews, the journal also includes a Debate section which encourages comments on specific articles, with subsequent response from the original author.



is available at: http://journals.cambridge.org/jbs

Free email alerts

Keep up-to-date with new material — sign up at http://journals.cambridge.org/jbs-alerts



Journal of Biosocial Science

is available online at: http://journals.cambridge.org/jbs

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

For free online content visit: http://journals.cambridge.org/jbs



Aims and Scope

The Journal of Radiotherapy in Practice is a peer-reviewed 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 2014, Volume 13 is:

• Individual rate £139 or \$265

• Institutional rate £400 or \$642

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 2014. Apart from fair dealing for the purposes of research or private study, or criticism or reviews, as permitted under the Copy right, 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 MPS Limited, Bangalore, 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	125
GUEST EDITORIAL	
Patient safety: the journey towards safer radiotherapy Wayne Robson, Deborah Clark, Nick White	129
ORIGINAL ARTICLES	
A qualitative analysis of radiation therapy students' professional placement journals Naomi Findlay, Shane E. Dempsey, Helen M. Warren-Forward	131
The role of radiotherapy patients in provision of student interpersonal skills feedback P. Bridge, C. Pirihi, M. Carmichael	141
Calculation of planning margins for different verification techniques in radical prostate radiotherapy lan Gleeson	149
Improved visualisation of cervix applicators for magnetic resonance-only-guided brachytherapy planning Gary P. Liney, Jenny E. Marsden, Carl J. Horsfield, Tom Murray, David J. Manton, Andrew W. Beavis	159
Random and systematic set-up errors in three-dimensional conformal radiotherapy – impact on planning target volume margins: the experience of the Radiation Oncology Centre of Sassari	
Matteo Tamponi, Angela Poggiu, Maria F. Dedola, Rossella Madeddu, Antonella Carnevale, Gianfranca Manca, Rossana Tola, Rossana Bona, Alessandro Carai, Carla Fundoni, Alessandra Naitana, Nella Giordani, Leonora Aresu, Serena Soddu, Sara Squintu, Piergiorgio Marini, Maurizio Conti, Giovanni Battista Meloni	166
Effect of correction/calibration factors on accuracy of in vivo dose delivery with cylindrical n-type Isorad diode in conventional radiotherapy Kashif Islam, Asdar ul Haque, Muzaffar Hussain, Sohail Murad, Khan Muhammad, Asma Ashfaq, Atif Islam	180
Variation of PTV dose distribution on patient size in prostate VMAT and IMRT: a dosimetric evaluation using the PTV dose–volume factor James C. L. Chow, Runging Jiang, Daniel Markel	189
An investigation of rotational issues for rectal carcinoma treated with radiotherapy Dominique A. Taylor, Thomas ffrench, Charlotte A. Sale, Paul Foulstone	195
Underusage of radiotherapy and a lack of socio-economic disparity in treatment outcome: a population-based study on adenoid cystic carcinomas Rex Cheung	203
Radiation pneumonitis and pulmonary function with lung dose–volume constraints in breast cancer irradiation U. Blom Goldman, M. Anderson, B. Wennberg, P. Lind	211
The use of MuGard [™] , Caphosol [®] and Episil [®] in patients undergoing chemoradiotherapy for squamous cell carcinoma of the head and neck L. Pettit, P. Sanghera, J. Glaholm, A. Hartley	218
LITERATURE REVIEW	
Are probiotics more efficacious than placebo at preventing radiotherapy-induced diarrhoea in adults with cancer Marco Tullio Suadoni	226
CASE STUDY	
Metastatic small-cell lung carcinoma to the thyroid gland: a case report Pamela Boimel, Aruna Turaka	236
TECHNICAL NOTE	
VMAT monthly QA using two techniques: 2D ion chamber array with an isocentric gantry mount and an in vivo dosimetric device attached to gantry P. Myers, S. Stathakis, C. Buckey, N. Papanikolaou	240
LETTER TO EDITOR	
Response to Editorial in the JRP by Robson, Clark and White 2014 patient safety: the journey towards safer radiotherapy H. Probst, D. Hutton, M. L. Collins, R. Adams	247

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





