

A multidisciplinary journal of the  
Australasian Society for the Study  
of Brain Impairment

# BRAIN impairment

## EDITORS

**Jacinta Douglas**  
*La Trobe University*

**Robyn Tate**  
*University of Sydney*

## SPECIAL ISSUE

State of the art  
reviews in mental  
health after traumatic  
brain injury

**VOLUME 14**

**NUMBER 1**

**MAY 2013**

**CAMBRIDGE**  
UNIVERSITY PRESS

# BRAIN impairment

## Editors

**Jacinta Douglas**

*School of Human Communication Sciences, La Trobe University, Melbourne, Australia*

**Robyn Tate**

*Rehabilitation Studies Unit, Faculty of Medicine, Northern Clinical School, Sydney Medical School*

## Associate Editors

**Grahame Simpson**

*Brain Injury Rehabilitation Unit, Liverpool Hospital, Sydney, Australia*

**Jennifer Fleming**

*School of Health and Rehabilitation Sciences, The University of Queensland, Brisbane, Australia*

## Editorial Board

**Vicki Anderson**

*Department of Psychology, University of Melbourne, Australia*

**David Andrewes**

*Department of Psychology, University of Melbourne, Australia*

**Ian Baguley**

*Westmead Hospital, Brain Injury Unit, Sydney, Australia*

**Leeanne Carey**

*National Stroke Research Institute, Florey Neuroscience Institutes, Melbourne, Australia*

**Chris Code**

*School of Psychology, Washington Singer Labs, University of Exeter, UK*

**Petrea Cornwall**

*Allied Health Research Collaborative, The Prince Charles Hospital, Brisbane, Australia*

**Jan Ewing**

*Queensland Neuropsychology Pty Ltd, Reston Cottage, Samford, Australia*

**Mary Galea**

*School of Physiotherapy, The University of Melbourne, Australia*

**Gina Geffen**

*Cognitive Psychophysiology Laboratory, School of Psychology, University of Queensland, Brisbane, Australia*

**Wayne Levick**

*John Hunter Children's Hospital, Newcastle, Australia*

**Annie McCluskey**

*Faculty of Health Sciences, University of Sydney, Australia*

**Skye McDonald**

*School of Psychology, University of New South Wales, Sydney, Australia*

**Kathryn McPherson**

*AUT University, School of Rehabilitation & Occ Studies, Northcote, New Zealand*

**Lyndsey Nickels**

*Macquarie Centre for Cognitive Science (MACCS), Institute of Human Cognition and Brain Science, Macquarie University, Sydney, Australia*

**John Olver**

*Epworth Hospital, Melbourne, Australia*

**Tamara Ownsworth**

*School of Psychology, Griffith University, Brisbane, Australia*

**Michael Perdices**

*Department of Neurology, Royal North Shore Hospital, Sydney, Australia*

**Jennie Ponsford**

*Bethesda Rehabilitation Research Unit and Department of Psychology, Monash University, Melbourne, Australia*

**David Shum**

*School of Applied Psychology, Griffith University Nathan, Queensland, Australia*

**Pamela Snow**

*School of Psychology, Psychiatry, and Psychological Medicine, Monash University, Bendigo, Australia*

**Cheryl Soo**

*Murdoch Children's Research Institute, Royal Children's Hospital, Melbourne, Australia*

**Leanne Togher**

*School of Communication Disorders, University of Sydney, Australia*

**Barbara Wilson**

*MRC Cognition and Brain Sciences Unit, Cambridge, UK*

**Huw Williams**

*School of Psychology, Exeter University, Exeter, UK*

## Australasian Society for the Study of Brain Impairment

All membership and advertising enquiries should be directed to the Secretariat:

Margaret Eagers, *Executive Officer*

ASSBI

PO Box 64

Randwick NSW 2031 Australia

Email: [ndarc21@unsw.edu.au](mailto:ndarc21@unsw.edu.au)

## Publication Condition

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere.

## Indexing

*Brain Impairment* is indexed in the following information systems: Australasian Medical Index, PsycINFO, Scopus and J-Gate.

## Subscription Rates 2013

This journal is published 3 times per year. The institutional rates (excluding VAT) are:

	Print and online	Electronic only
Australia	281 AUD	261 AUD
N America	307 USD	286 USD
UK and ROW	198 GBP	184 GBP

EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Prices include delivery by air when appropriate. Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan.

**Orders and subscription enquiries should be addressed to:** Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RY, UK

**Orders from N America should be addressed to:** Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, NY 10994-2133, USA  
*Brain Impairment* and all other Cambridge Journals can be found at <http://journals.cambridge.org/>

# BRAIN impairment

VOLUME 14

NUMBER 1

MAY 2013

A Multidisciplinary Journal of the  
Australian Society for the Study of  
Brain Impairment

## CONTENTS

### Editorial

- Introduction to Special Issue: State of the Art 1  
Reviews on Mental Health in Traumatic Brain Injury  
*Grahame K. Simpson and Robyn Tate*

### Guest Editorial

- Mental Health is Central to Good 2  
Neurorehabilitation after TBI  
*Simon Fleminger*

### State of the Art Reviews

- Rehabilitation Approaches to the Management of 5  
Aggressive Behaviour Disorders after Acquired  
Brain Injury  
*Nick Alderman, Caroline Knight and Jennifer Brooks*
- Psychosis Following Traumatic Brain Injury 21  
*Rachel A. Batty, Susan L. Rossell, Andrew J.P. Francis  
and Jennie Ponsford*
- Evidence-Based Intervention Strategies for Veterans 42  
and Military Personnel with Traumatic Brain Injury  
and Co-Morbid Mental Health Conditions: A  
Systematic Review  
*Bridget B. Matarazzo, Hal S. Wortzel, Brooke A. Dorsey  
Holliman and Lisa A. Brenner*
- Integrating Interventions after Traumatic Brain 51  
Injury: A Synergistic Approach to  
Neurorehabilitation  
*Kristen Dams-O'Connor, Wayne A. Gordon*
- Diagnosis and Treatment of Depression Following 63  
Traumatic Brain Injury  
*Theodore Tsaousides, Teresa A. Ashman and Wayne A. Gordon*
- Interventions for Substance Misuse following TBI: A 77  
Systematic Review  
*Jennifer Bogner and John D. Corrigan*

*Brain Impairment* is published three times annually and issued to all members of ASSBI.

Copyright in all articles rests with authors. A limited set of permanent copyright permission licences has been granted by authors to the publisher to allow publication in this journal. Rights in the reproduction and distribution of the published articles as visual facsimiles of this published edition by either mechanical or digital means is controlled by the publisher and any distributions by CAL for copying of an author's work therefore are due to the publisher and ASSBI only. All other rights in the words contained in this edition are controlled by the authors. Authors are therefore free to adapt and/or republish the words making up their own articles either online or in print.

Published by Cambridge University Press  
on behalf of Australian Academic Press  
Pty Ltd. and the ASSBI.  
University Printing House  
Shaftesbury Road  
Cambridge CB2 8BS  
United Kingdom  
[journals.cambridge.org](http://journals.cambridge.org)

---

Suicidal Ideation and Behaviours after Traumatic Brain Injury: A Systematic Review 92  
*Nazanin H. Bahraini, Grahame K. Simpson, Lisa A. Brenner, Adam S. Hoffberg and Alexandra L. Schneider*

Predictors of Emotional Distress in Family Caregivers of Persons with Traumatic Brain Injury: A Systematic Review 113  
*Angelle M. Sander, Kacey Little Maestas, Allison N. Clark and Whitney N. Havins*

---

**ASSBI Presidential Address 2012**

Improving Communication for People with Brain Injury in the 21st Century: The Value of Collaboration 130  
*Leanne Togher*

---

**Abstracts of the 36<sup>th</sup> Brain Impairment Conference, May 2-4, 2013, Hobart** 139