

# The British Journal of Psychiatry Solvential Control of Psychiatry Solve



Mental health burden and unmet needs for treatment: a call for justice

Dakić

Supporting mental health disclosure decisions: the Honest, Open, Proud programme Scior et al Clinical indicators of treatment-resistant psychosis

Legge et al

Voltage-gated calcium channel blockers for psychiatric disorders: genomic reappraisal Harrison et al



## The British Journal of Psychiatry

ISSN 0007 - 1250

Editor Kamaldeep Bhui CBE

#### **Deputy Editors**

Matthew Broome
William Lee
Gin Malhi
(Editorials Editor)
Giles Newton-Howes
(Reviews Editor)
Rachel Upthegrove

#### **Associate Editors**

Shehzad Ali Mike Crawford Elena Garralda Joseph Hayes Edgar Jones Helen Killaspy Anne Lingford-Hughes Philip McGuire Francis Anthony O'Neill Jan Scott James Shearer Najma Siddiqi Mustafa Soomro

#### **Editorial Advisors**

Sarah Byford John Geddes Martin Knapp

#### International Editorial Board

Regi T. Alexander (UK) Ricardo Araya (UK) Allan Beveridge (UK) (Book Reviews Editor) Jonathan Bisson (UK) Alec Buchanan (USA) Colin Campbell (UK) (Correspondence Editor) (Debate Editor) Mary Cannon (Ireland) Patricia Casey (Ireland) Andrew Cheng (Taiwan) Pamela Collins (USA) John Cookson (UK) Pim Cuijpers (The Netherlands) David Curtis (UK) Kimberlie Dean (Australia) Colin Drummond (UK) Simon Gilbody (UK) Peter Haddad (UK) Madelyn Hicks (USA) Philipp Homan (Switzerland) Louise Howard (UK) Khalida Ismail (UK) Navneet Kapur (UK) Kenneth Kaufman (USA) Steve Kisely (Australia) Stephen Lawrie (UK) Glyn Lewis (UK) Sean Lynch (UK) Kwame McKenzie (Canada) Marco Mula (UK) Roger Mulder (New Zealand) Aileen O'Brien (UK) (Debate Editor) Martin Orrell (UK)

Bart Sheehan (UK) Sukhwinder Shergill (UK) Emily Simonoff (UK) Swaran Singh (UK) Athula Sumathipala (UK) Nori Takei (Japan) Derek Tracy (UK) Richard Williams (UK) Kiriakos Xenitidis (UK) (Correspondence Editor) Allan Young (UK)

#### **Trainee Editors**

Katherine Adlington Angharad de Cates Judith Harrison

#### **Statistical Advisors**

Eva Petkova Pak Sham Min Yang

#### Staff

Head of Publishing Elizabeth Hay Managing Editor Alice Shuttleworth Senior Publications Coordinator Dianndra Roberts

#### **Past Editors**

Eliot Slater 1961–72 Edward H. Hare 1973–77 John L. Crammer 1978–83 Hugh L. Freeman 1984–93 Greg Wilkinson 1994–2003 Peter Tyrer 2003–13

The *British Journal of Psychiatry* is published monthly by the Royal College of Psychiatrists (a charity registered in England and Wales (228636) and in Scotland (SC038369)). The Journal publishes original work in all fields of psychiatry. Manuscripts for publication should be submitted online at https://mc.manuscriptcentral.com/bjpsych.

Thomas Schulze (Germany)

Femi Oyebode (UK)

(Executive Contents Editor)

Michael Phillips (China)

Alexandra Pitman (UK)

Zena Samaan (Canada)

(Book Reviews Editor)

All papers in this journal are peer-reviewed. No person is permitted to take any role in the peer-review of a paper in which they have an interest, defined as follows: fees or grants from, employment by, consultancy for, shared ownership in, or any close relationship with, an organisation whose interests, financial or otherwise, may be affected by the publication of the paper.

#### Subscriptions

British Journal of Psychiatry (ISSN 0007-1250) is published monthly. The six issues starting January 2020 comprise Volume 216, the six issues starting July 2020 comprise Volume 217. Orders from non-members of the College, which must be accompanied by payment, may be sent to any bookseller or subscription agent or direct to the publishers: Cambridge University Press, Journals Fulfilment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK, email journals@cambridge.org; or in the USA, Canada and Mexico, to Cambridge University Press, Journals Fulfilment Department, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA, email subscriptions\_ne-wyork@cambridge.org. Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan.

The annual subscription prices (including delivery by air but excluding VAT) for Volumes 216/217 are as follows:

		INSTITUTIONS	INDIVIDUALS
	Print and online	£567/\$1011	£457/\$712
	Online only	£465/\$713	£296/\$463

Single issues are £54 (US\$97 in the USA, Canada and Mexico) plus postage. 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. Claims for missing issues should be made immediately on receipt of the subsequent issue.

Queries from College members about missing or faulty copies should be sent to Customer Services, Cambridge University Press, email journals\_societies@cambridge.org, tel. +44 (0)1223 326070.

#### USPS ID Statement

The British Journal of Psychiatry, ISSN 0007-1250, is published monthly by Cambridge University Press, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK. The US annual subscription price is \$976 print and online/\$688 online only for institutions and \$687 print and online/\$447 online only for individuals. Alifreight and mailing in the USA by agent named WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Periodicals postage paid at Brooklyn, NY 11256. US Postmaster: Send address changes to The British Journal of Psychiatry, WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Subscription records are maintained at Cambridge University Press, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK. Air Business Ltd is acting as our mailing agent.

#### Online access

British Journal of Psychiatry is hosted on the Cambridge Core service at https://www.cambridge.org/core/journals/the-british-journal-ofpsychiatry.

Information about the College's publications is available at https://www.rcpsych.ac.uk.

#### Instructions to authors

Full instructions to authors are given at https://www.cambridge.org/core/ journals/the-british-journal-of-psychiatry/information/instructionscontributors.

#### Advertising

Correspondence and copy should be addressed to:
Stephen H. P. Mell, Advertising Manager, PTM Publishers Ltd, 41 Hart Close,

Uckfield, East Sussex TN22 2DA, UK (email advertising@ptmpublishers. com; tel. 020 8642 0162)

Founded by J. C. Bucknill in 1853 as the *Asylum Journal* and known as the *Journal of Mental Science* from 1858 to 1963.

©The Royal College of Psychiatrists 2020. Unless so stated, material in the British Journal of Psychiatry does not necessarily reflect the views of the Editor or the Royal College of Psychiatrists. The publishers are not responsible for any error of omission or fact.

Printed in Great Britain by Henry Ling Limited, The Dorset Press, 23 High East Street, Dorschester, Dorset DT1 1HD.

This journal issue has been printed on FSCTM-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.



### BJPsych

#### Contents

A17 Editorial Board

A19 Highlights of this issue

#### **Editorials**

241 Mental health burden and unmet needs for treatment: a call for justice

Tea Dakić

243 Supporting mental health disclosure decisions: the Honest, Open, Proud programme

Katrina Scior, Nicolas Rüsch, Chris White and Patrick W. Corrigan

#### **Analysis**

246 Genetic cross-disorder analysis in psychiatry: from methodology to clinical utility

Dick Schijven, Jan H. Veldink and Jurjen J. Luykx

#### Reappraisal

250 Voltage-gated calcium channel blockers for psychiatric disorders: genomic reappraisal

Paul J. Harrison, Elizabeth M. Tunbridge, Annette C. Dolphin and Jeremy Hall

253 100 words on delusions - 100 words

Abdi Sanati

#### **Papers**

254 Effect of the SIRT1 gene on regional cortical grey matter density in the Han Chinese population

Shuquan Rao, Na Luo, Jing Sui, Qi Xu and Fuquan Zhang

258 100 words on transgenderism in the Indian sacred text Ramayana – 100 words

Jessy Fenn

259 Clinical indicators of treatment-resistant psychosis

Sophie E. Legge, Charlotte A. Dennison, Antonio F. Pardiñas, Elliott Rees, Amy J. Lynham, Lucinda Hopkins, Lesley Bates, George Kirov, Michael J. Owen, Michael C. O'Donovan and James T.R. Walters

267 Polygenic effects of schizophrenia on hippocampal grey matter volume and hippocampus-medial prefrontal cortex functional connectivity

Shu Liu, Ang Li, Yong Liu, Hao Yan, Meng Wang, Yuqing Sun, Lingzhong Fan, Ming Song, Kaibin Xu, Jun Chen, Yunchun Chen,

Huaning Wang, Hua Guo, Ping Wan, Luxian Lv, Yongfeng Yang, Peng Li, Lin Lu, Jun Yan, Huiling Wang, Hongxing Zhang, Huawang Wu, Yuping Ning, Dai Zhang, Tianzi Jiang and Bing Liu

275 Identifying schizophrenia patients who carry pathogenic genetic copy number variants using standard clinical assessment: retrospective cohort study

Claire Foley, Elizabeth A. Heron, Denise Harold, James Walters, Michael Owen, Michael O'Donovan, Jonathan Sebat, Eric Kelleher, Christina Mooney, Amy Durand, Carlos Pinto, Paul Cormican, Derek Morris, Gary Donohoe, Michael Gill, Louise Gallagher and Aiden Corvin

280 Genetic correlations between subcortical brain volumes and psychiatric disorders

Kazutaka Ohi, Takamitsu Shimada, Yuzuru Kataoka, Toshiki Yasuyama, Yasuhiro Kawasaki, Toshiki Shioiri and Paul M. Thompson

#### **Columns**

- 284 Correspondence
- 285 Corrigenda
- 286 Addendum
- 287 Book Review
- 288 Contents of the American Journal of Psychiatry
- 288 Contents of BJPsych Advances
- 289 Kaleidoscope

#### **Cover picture**

The Cardiff Delirium Study was carried out on the Cardiac Intensive Care Unit at the University Hospital of Wales by Martyn Stones, a Clinical Research Fellow in Psychiatry. Patients described their visual



hallucination to the Hospital Artist Jan Sharp. This collaboration has resulted in a series of bizarre and often dark photomontage images. This picture is one example that Jan has produced. The pictures give a unique insight into the subjective experience of delirium in hospital patients. It is intended to make the pictures available to clinical staff, patients and the general public to improve awareness of delirium.

Acknowledgments: Cardiothoracic patients and staff at the University Hospital of Wales, Cardiff. Principal Investigator, Dr. Subram Balachandran. Cardiff University Supervisors: Prof. Val O'Donnell, Prof. Lawrence Wilkinson, Prof. George Kirov, Prof. David Nutt (Imperial), Prof. Sir Michael Owen. StonesML@cardiff.ac.uk

We are always looking for interesting and visually appealing images for the cover of the Journal and would welcome suggestions or pictures, which should be sent to Dr Allan Beveridge, British Journal of Psychiatry, 21 Prescot Street, London, E1 8BB, UK or bjp@rcpsych.ac.uk.