

# BJPpsych

The British Journal of Psychiatry



**Cannabinoids in psychiatry: they are here to stay**

Woo et al

**Association between previous and future antipsychotic adherence in patients initiating clozapine**

Brodeur et al

**Neuroimaging-based brain-age prediction of first-episode schizophrenia and the alteration of brain age after early medication**

Xi et al

**Galenic syndromes: combinations of mental state and personality disorders too closely entwined to be separated**

Tyrer et al

# BJPpsych

The British Journal of Psychiatry

ISSN 0007 - 1250

**Editor** Kamaldeep Bhui CBE (UK)

**Deputy Editors**

Matthew Broome (UK)  
 William Lee (UK)  
(Research Integrity Editor)  
 Gin Malhi (Australia)  
(Editorials Editor)  
 Giles Newton-Howes  
 (New Zealand)  
(Reviews Editor)  
 Rachel Upthegrove (UK)

**Associate Editors**

Shehzad Ali (UK)  
 Jonathan Bisson (UK)  
 Rakesh K Chadda (India)  
 Emilio Fernandez Egea (UK)  
 Elena Garralda (UK)  
 Joseph Hayes (UK)  
 Philipp Homan (Switzerland)  
 Edgar Jones (UK)  
 Helen Killaspy (UK)  
 Philip McGuire (UK)  
 Alexandra Pitman (UK)  
 Zena Samaan (Canada)  
 Frauke Schultze-Lutter  
 (Germany)  
 Jan Scott (UK)  
 James Shearer (UK)  
 Bart Sheehan (UK)  
 Najma Siddiqi (UK)  
 Mustafa Soomro (UK)

**Editorial Advisors**

Sarah Byford (UK)  
 John Geddes (UK)  
 Martin Knapp (UK)

**International Editorial Board**

Regi T. Alexander (UK)  
 Allan Beveridge (UK)  
(Book Reviews Editor)  
 Alec Buchanan (USA)  
 Colin Campbell (UK)  
(Correspondence Editor)  
(Analysis Editor)

Mary Cannon (Ireland)  
 Patricia Casey (Ireland)  
 Andrew Cheng (Taiwan)  
 Erika Comasco (Sweden)  
 John Cookson (UK)  
 Pim Cuijpers (The Netherlands)  
 David Curtis (UK)  
 Claire de Oliveira (UK)  
 Kimberlie Dean (Australia)  
 Colin Drummond (UK)  
 Jianfeng Feng (China)  
 Sinan Guloksuz  
 (The Netherlands)  
 Peter Haddad (UK)  
 Judith Harrison (UK)  
 Madelyn Hicks (USA)  
 Cyrus Ho (Singapore)  
 Louise Howard (UK)  
 Khalida Ismail (UK)  
 Navneet Kapur (UK)  
 Eirini Karyotaki  
 (The Netherlands)  
 Kenneth Kaufman (USA)  
 Steve Kisely (Australia)  
 Ivan Koychev (UK)  
 Rajeev Krishnadas (UK)  
 Stephen Lawrie (UK)  
 Glyn Lewis (UK)  
 Lin Lu (China)  
 Kwame McKenzie (Canada)  
 Marco Mula (UK)  
 Roger Mulder (New Zealand)  
 Aileen O'Brien (UK)  
(Analysis Editor)  
 Claire de Oliveira (UK)  
 Martin Orrell (UK)  
 Femi Oyeboode (UK)  
(Book Reviews Editor)  
(Executive Contents Editor)  
 Sarah Peters (UK)  
 Michael Phillips (China)  
 Mariana Pinto Da Costa (UK)  
 Thomas Schulze (Germany)  
 Sukhwinder Shergill (UK)  
 Emily Simonoff (UK)  
 Dan Siskind (Australia)

Athula Sumathipala (UK)  
 Nori Takei (Japan)  
 Eric Tan (Australia)  
 Leila Tarokh (Switzerland)  
 Derek Tracy (UK)  
(Editor for Public Engagement and Education)  
 Alexander Tsai (USA)  
 Stuart Watson (UK)  
 Richard Williams (UK)  
 Kiriakos Xenitidis (UK)  
(Correspondence Editor)  
 Allan Young (UK)  
 Melvyn Zhang Weibin  
 (Singapore)  
 Yaara Zisman-Ilani (USA)

**Trainee Editors**

Katherine Adlington (UK)  
 Angharad de Cates (UK)  
 Shubhangi Karmakar (Ireland)

**Statistical Advisors**

Dawn Holmes (USA)  
 Anikó Lovik (Sweden)  
 Prathiba Natesan Batley (USA)  
 Eva Petkova (USA)  
 Rob Saunders (UK)  
 Jingwei Wu (USA)  
 Min Yang (China)  
 Nanhua Zhang (USA)

**Staff**

*Head of Publishing*  
 Elizabeth Hay  
*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

**Subscriptions**

*British Journal of Psychiatry* (ISSN 0007-1250) is published monthly. The six issues starting January 2022 comprise Volume 220, the six issues starting July 2022 comprise Volume 221. 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 Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK, email journals@cambridge.org; or in the USA, Canada and Mexico, to Cambridge University Press, Journals Fulfillment Department, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA, email subscriptions\_newyork@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 220/221 are as follows:

	INSTITUTIONS	INDIVIDUALS
Print and online	£607/\$1080	£489/\$761
Online only	£474/\$726	£308/\$481

Single issues are £57 (US\$101 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. Airfreight and mailing in the USA by agent named World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Periodicals postage paid at Brooklyn, NY 11256. US Postmaster: Send address changes to The British Journal of Psychiatry, World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, 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-of-psychiatry>.

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/instructions-contributors>.

**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](mailto: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 2022. 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, Dorchester, Dorset DT1 1HD.

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](http://www.fsc.org) for information.



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>.

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.



- A21 Editorial Board  
A23 Highlights of this issue

### Editorials

- 309 **Galenic syndromes: combinations of mental state and personality disorders too closely entwined to be separated**  
Peter Tyrer, Roger Mulder, Giles Newton-Howes and Conor Duggan
- 311 **Cannabinoids in psychiatry: they are here to stay**  
Julia Jiyeon Woo, Emma van Reekum, Sagnik Bhattacharyya and Zainab Samaan

- 313 **Psychiatry in Literature – ‘The state spoils them’**  
Owen P. O’Sullivan

### Short Reports

- 314 **Set-shifting-related basal ganglia deformation as a novel familial marker of obsessive-compulsive disorder**  
Masanori Isobe, Matilde Vaghi, Naomi A. Fineberg, Annemieke M. Apergis-Schoute, Edward T. Bullmore, Barbara J. Sahakian, Trevor W. Robbins and Samuel R. Chamberlain
- 318 **Detailed clinical phenotyping and generalisability in prognostic models of functioning in at-risk populations**  
Marlene Rosen, Linda T. Betz, Natalie Kaiser, Nora Penzel, Dominic Dwyer, Theresa K. Lichtenstein, Frauke Schultze-Lutter, Lana Kambeitz-Ilankovic, Alessandro Bertolino, Stefan Borgwardt, Paolo Brambilla, Rebekka Lencer, Eva Meisenzahl, Christos Pantelis, Raimo K. R. Salokangas, Rachel Upthegrove, Stephen Wood, Stephan Ruhrmann, Nikolaos Koutsouleris, Joseph Kambeitz and The PRONIA consortium

### Papers

- 322 **Evaluation of point-of-care thumb-size bispectral electroencephalography device to quantify delirium severity and predict mortality**  
Takehiko Yamanashi, Kaitlyn J. Crutchley, Nadia E. Wahba, Eleanor J. Sullivan, Katie R. Comp, Mari Kajitani, Tammy Tran, Manisha V. Modukuri, Pedro S. Marra, Felipe M. Herrmann, Gloria Chang, Zoe-Ella M. Anderson, Masaaki Iwata, Ken Kobayashi, Koichi Kaneko, Yuhei Umeda, Yoshimasa Kadooka, Sangil Lee, Eri Shinozaki, Matthew D. Karam, Nicolas O. Noiseux and Gen Shinozaki

- 329 **In Beckett’s words, by Beckett’s thoughts: a narrative on ageing**  
João Martins-Correia

- 330 **Precursors and correlates of transient and persistent longitudinal profiles of psychotic experiences from late childhood through early adulthood**  
Alexandros Rammos, Sarah A. Sullivan, Daphne Kounali, Hannah J. Jones, Gemma Hammerton, Lindsey A. Hines, Glyn Lewis, Peter B. Jones, Mary Cannon, Andrew Thompson, Dieter Wolke, Jon Heron and Stanley Zammit

- 339 **Neuroimaging-based brain-age prediction of first-episode schizophrenia and the alteration of brain age after early medication**  
Yi-Bin Xi, Xu-Sha Wu, Long-Biao Cui, Li-Jun Bai, Shuo-Qiu Gan, Xiao-Yan Jia, Xuan Li, Yong-Qiang Xu, Xiao-Wei Kang, Fan Guo and Hong Yin

- 346 **Psychiatry In Literature – Grief in *The Epic of Gilgamesh***  
Karrish Devan

- 347 **Association between previous and future antipsychotic adherence in patients initiating clozapine: real-world observational study**  
Sébastien Brodeur, Josiane Courteau, Alain Vanasse, Mireille Courteau, Emmanuel Stip, Marie-Josée Fleury, Alain Lesage, Marie-France Demers, Olivier Corbeil, Laurent Bécharde and Marc-André Roy

- 355 **Clozapine-induced gastrointestinal hypomotility: presenting features and outcomes, UK pharmacovigilance reports, 1992–2017**  
S. A. Handley, S. Every-Palmer, A. Ismail and R. J. Flanagan

### Columns

- 364 Correspondence  
365 Erratum  
367 Book Reviews  
368 Contents of *BJPsych Advances*  
369 Kaleidoscope

### Cover picture

“Le Médecin” by Harry Pack

© Harry Pack

My work is an ongoing exploration into another dreamlike dimension, an attempt at separating the viewer from this realm, carrying them into a world beyond the parameters of the image. *Le Médecin* looks at the relationship between the doctor and the patient, whilst comparing modern day health practitioners and medicine to shamanic practice. As modernisation interacts with the collective consciousness, it is not always easy to define sanity, which in turn makes one question reality.

Harry Pack is a British multi-media artist. His work can be found at [www.instagram.com/harrypackart](http://www.instagram.com/harrypackart) and [www.harrypackart.com](http://www.harrypackart.com).

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 Prescott Street, London, E1 8BB, UK or [bjp@rcpsych.ac.uk](mailto:bjp@rcpsych.ac.uk).

