



Guidelines for Authors

Full instructions are available online at http://innovations.bmj.com/ifora. Articles must be submitted electronically http://mc.manuscriptcentral.com/bmjinnov. Authors retain copyright but are required to grant BMJ Innovations an exclusive licence to publish http://journals.bmj.com/site/authors/editorial-policies.xhtml#copyright

Editorial Office

BMJ Innovations
BMJ Publishing Group
BMA House, Tavistock Square
London WC1H 9JR, UK
E: info.innovations@bmj.com

Publisher

Christiane Notarmarco
BMJ Publishing Group
E: cnotarmarco@bmj.com
ISSN: 2055-8074 (print)
ISSN: 2055-642X (online)

Disclaimer: The Editor of BMJ Innovations has been granted editorial freedom and BMJ Innovations is published in accordance with editorial guidelines issued by the World Association of Medical Editors and the Committee on Publication Ethics. BMJ Innovations is primarily intended for healthcare professionals and its content is for information only. The Journal is published without any guarantee as to its accuracy or completeness and any representations or warranties are expressly excluded to the fullest extent permitted by law. Readers are advised to independently verify any information on which they choose to rely. Acceptance of advertising by BMJ Innovations does not imply endorsement. BMJ Publishing Group Limited shall not be liable for any loss, injury or damage howsoever arising from BMJ Innovations (except for liability which cannot be legally excluded)

Copyright: © 2020 BMJ Publishing Group Ltd. All rights reserved; no part of this publication may be reproduced in any form without permission.

BMJ Innovations is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services Private Limited, Chennai, India.

Commentaries

117 AI: simply reinforcing medicine's worst biases?
S Maitland, P McElnay, R Brady

121 Triclosan and AMR: missing link
V Patwardhan, D Saxena

123 Addressing challenges in humanitarian surgical care through hackathons: report on a Tokyo hackathon and the award-winning projects it generated
M Kyokan, F Ikeno, M Yagi, S Di Carlo

Diagnostics

127 Evaluation of an online preoperative assessment tool
J O'Shea, M Coleman, S Mahdy, M Corbett, G Curley

Medical devices

132 Preliminary design and testing of neck chamber device for baroreflex sensitivity assessment
P V Paliwal, P H Kamble, K A Desai, R Sharma, A Singhal

143 Functionality and acceptability of a novel non-invasive neonatal heart rate monitoring device: a qualitative study of healthcare professionals
O Anton, R Fernandez, E Rendon-Morales, R Aviles-Espinosa, C J Jones, H Rabe

151 MEDLINK: a low-cost, portable, verbally interactive and programmable remote patient monitoring (RPM) device
O Ejofodomi, J Zara, G Ofualagba

159 Novel accessory safety footswitch permitting dual control of surgical electrical diathermy: an asset in risk management in surgical training?
A Eisawi, M Aung, R Canelo

Health Apps and mHealth

164 Sociotechnical evaluation of a health management information system in South India
N Gudi, M A Godinho, D Saha, P Narasimhan

170 Protecting patient privacy in digital health technology: the Dutch m-Health infrastructure of Hartwacht as a learning case
E Wierda, S Blok, G A Somsen, E T van der Velde, I I Tulevski, B Stavrov, M C C de Wildt, B J H van den Born, L Breukel, B A J M de Mol, M C Ploem, M M Winter

177 Health professionals donating work hours: an initiative for improving access to healthcare in Brazil: case study and initial results
J P N Ribeiro, R Riera

184 Mobile health in cardiac patients: an overview on experiences and challenges of stakeholders involved in daily use and development
D Kauw, P R Huisma, S K Medlock, M A C Koole, E Wierda, A Abu-Hanna, M P Schijven, B J M Mulder, B J Bouma, M M Winter, M J Schuurung

MORE CONTENTS ►



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



This article has been made freely available online under the BMJ Journals open access scheme. See http://journals.bmj.com/site/authors/openaccess.xhtml



This journal is a member of and subscribes to the principles of the Committee on Publication Ethics www.publicationethics.org.uk



When you have finished with this magazine please recycle it.

Artificial intelligence

- 192** Deep learning for natural language processing of free-text pathology reports: a comparison of learning curves
J T Senders, D J Cote, A Mehtash, R Wiemann, W B Gormley, T R Smith, M L D Broekman, O Amaout

- 199** Pilot study for the comparison of machine-learning augmented audio-uroflowmetry with standard uroflowmetry in healthy men
E J Aslim, B B T, Y S L Ng, T L C Kuo, K S Lim, J S Chen, J-M Chen, L G Ng

Health technology assessment

- 204** Time-to-scene for opioid overdoses: are unmanned aerial drones faster than traditional first responders in an urban environment?
C A Tukul, M R Tukul, R J Weinbaum, V H Mika, P D Levy

- 209** TeCHO+ program in Gujarat: a protocol for health technology assessment
S Saha, P Kotwani, A Pandya, D Saxena, T Puwar, S Desai, P Vaghela, D Patel, C Patel, D Raval, J Ravi

Assistive technologies

- 215** Novel patient-specific 3D-virtual reality visualisation software (SpectoVR) for the planning of spine surgery: a case series of eight patients
D M Croci, R Guzman, C Netzer, L Mariani, S Schaeren, P C Cattin, G F Jost

- 220** Innovative need-based low-cost kangaroo mother care (KMC) chair
A Jain, J C Sekhar, N Kumari, N Jain

- 225** Assisted manual skills using a clinical surveyor device: disruptive invention for spatial location
L M Ramirez Aristeguieta, L G Lafaurie Ponce, L M Ramirez Rueda, E Puerta Uribe

- 233** Development of a physiotherapy-led atraumatic back pain pathway: a novel initiative to improve the management of complex back pain in the emergency village
M L Angus, B Martin, V Dickens, S Mohammad, I Siddique

Wearable technologies

- 239** Novel approach to recording theatre utilisation data using Pinpoint: a wearable real-time location services device
R M O'Connell, I Balasubramanian, F Barron, C Kelly, E O'Brien, S Tormey

Reviews

- 243** Lessons from the field on COVID-19: a public health point of view
R T Wani

- 246** Drug poisoning management using smartphones: an apps review study based on use case classification model
S Hajesmaeel Gohari, K Bahaadinbeigy, S Tajoddini, S R Niakan Kalhori

- 252** Telemedicine takes centre stage during COVID-19 pandemic
S Ahmed, K Sanghvi, D Yeo

Letters

- 255** Automatic AMBU bag operating device: creating a boon for high-volume centres in low-income countries
R Chauhan, R Sharma, N Chauhan

- 259** Health digital technology in COVID-19 pandemic: experience from China
M Shu, J Li

- 262** Polyester tipped 3-dimensionally printed swab that costs less than US\$0.05 and can easily and rapidly be mass produced
S Alyouha, S AlMazeedi, M Alghounaim, Y Al-Mutawa, S AlSabah