



Cover legend: Bone marrow core biopsy patterns in lymphoplasmacytic lymphoma/ Waldenström macroglobulinaemia.

Contents

Gene of the month

- 527** Gene of the month: *GLIS1-3*
K Pinto, R Chetty

Reviews

- 531** Multiple sclerosing pneumocytomas: a review
P Pal, R Chetty
- 535** Epigenetic-sensitive liquid biomarkers and personalised therapy in advanced heart failure: a focus on cell-free DNA and microRNAs
G Mansueto, G Benincasa, N Della Mura, G F Nicoletti, C Napoli

Original research

- 544** Perineural invasion as a predictive factor for survival outcome in gastric cancer patients: a systematic review and meta-analysis
B Zhao, W Lv, D Mei, R Luo, S Bao, B Huang, J Lin
- 552** Intramarrow injection needle: a new technique to treat patients with haematological and non-haematological malignancies by directly injecting therapeutic agents into the bone marrow cavity
A Islam
- 557** Multiplex immunohistochemistry/immunofluorescence (mIHC/IF) for PD-L1 testing in triple-negative breast cancer: a translational assay compared with conventional IHC
J Yeong, T Tan, Z L Chow, Q Cheng, B Lee, A Seet, J X Lim, J C T Lim, C C H Ong, A A Thike, S Saraf, B, Y C Tan, Y C Poh, S Yee, J Liu, E Lim, J Iqbal, R Dent, P H Tan
- 563** Application of 2016 WHO classification in the diagnosis of paediatric high-grade *MYC*-negative mature B-cell lymphoma with Burkitt-like morphological features
L Zhang, L E Brown, L M Bowen, L C McCarthy, L D Cooley, E Repnikova, M A Gener, R Garola, K J August, J A Hays, D L Zwick, W Li
- 571** Diagnostic value of bone marrow core biopsy patterns in lymphoplasmacytic lymphoma/ Waldenström macroglobulinaemia and description of its mutational profiles by targeted NGS
J Garcia-Reyero, N Martinez Magunacelaya, S Gonzalez de Villambrosia, A Gomez Mediavilla, M Urquieta Lam, A Insunza, R Tonda, S Beltran, M Gut, A Gonzalez, S Montes-Moreno

September 2020 Volume 73 Issue 9

- 579** Integrated characterisation of cancer genes identifies key molecular biomarkers in stomach adenocarcinoma
H Wang, L Shen, Y Li, J Lv
- 587** Clinical and laboratory characteristics of clozapine-treated patients with schizophrenia referred to a national immunodeficiency clinic reveals a B-cell signature resembling common variable immunodeficiency (CVID)
M J Ponsford, R Steven, K Bramhall, M Burgess, S Wijetilleka, E Carne, F McGuire, C R Price, M Moody, S Zouwail, T Tahir, D Farewell, T El-Shanawany, S R A Jolles
- 593** Identification of a new β -thalassaemia variant Term CD+32(HBB: c.32A>C) in two Chinese families
J Zhuang, Y Zheng, Y Wang, Q Zhuang, Y Jiang, Q Xie, S Zeng, J Zeng
- Short reports**
- 597** An exceptional metaplastic lobular breast carcinoma diagnosed through exome sequencing
A Bergeron, I Desmoulins, F Beltjens, S Causeret, C Charon-Barra, E Martin, C Richard, R Boidot, L Arnould
- 602** Comparison between two different next generation sequencing platforms for clinical relevant gene mutation test in solid tumours
S Bessi, F Pepe, M Ottaviantonio, P Pisapia, U Malapelle, G Troncone, M Biancalani
- PostScript**
- 605** Nivolumab-associated active neutrophilic gastritis
L Rovedati, M V Lenti, A Vanoli, M Feltri, F De Grazia, A Di Sabatino
- 607** Virophatic multinuclear syncytial giant cells in bronchial fluid from a patient with COVID-19
S Stadlmann, R Hein-Kuhnt, G Singer
- Virtual cases of the month**
- 609** Unexpected aetiology of chronic thrombocytopenia
T Needs, D Lynch
- 610** Pink renal conundrum
M L Sanders, D H Thomas, M Varma



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



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://authors.bmj.com/open-access/>



This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

www.publicationethics.org



When you have finished with this please recycle it



The online version of this article contains multiple choice questions hosted on BMJ Learning.