Editorial
1327 COVID-19 vaccine efficacy in a rapidly changing landscape
S L Baier, S Tran

Reviews
1329 Recently approved treatment options for patients with metastatic triple-negative and HER2-neu-positive breast cancer
S R Ghafouri, S Guavala, C Jones, A Philipovsky

1342 Meta-analysis and systematic review of the association between adverse childhood events and irritable bowel syndrome
J Joshee, L Lim, A Wybrecth, R Berrniesford, M Riddle

Original research
1352 Process analysis of anthracycline adverse reactions in breast cancer patients with postoperative chemotherapy
C Liu, B Cheng, G Zhao, H Yuan

1358 Vinpocetine enhances cisplatin sensitivity of non-small cell lung cancer cells by reducing the nuclear factor erythroid 2-related factor 2 signaling
Q Zhuang, Y Huang, Y Hong, W Zhuang, K Zhu, Z Huang

1365 Network analysis of genes associated with esophageal squamous cell carcinoma progression
X Li, Z Xia

1373 A model established using marital status and other factors from the Surveillance, Epidemiology, and End Results database for early stage gastric cancer
L Zhang, B Zhuo, P Luo, A Xu, W Han, Z Wei

1381 Burden of arrhythmias and predictors of mortality among multiple myeloma patients with arrhythmias
O Balogun, J Jackson, M Oyenuga, A Oyenuga, A Eak, N Jackson

1387 Evaluation of glycemic control in critically ill patients with bacteremia: a retrospective, single-center cohort study
A Chou, R Carlon, W Xue, V Seseam, J A Ferreira

1392 Excessive proliferation and apoptosis of parathyroid cells contribute to primary hyperparathyroidism in rabbit model
J Bi, R Bao, H Zhao, Z Qian, Z Gong, Y Liu, Z Zheng, X Cai

1399 Prognostic utility of biomarker levels and clinical severity scoring in sepsis: a comparative study
N Madkar, M Soneja, U Arora, R Sood, S Biswas, R S Jadon, A Biswas, N Wig

1406 Clinical characteristics and social determinants of health associated with 30-day hospital readmissions of patients with COVID-19

1416 Impact of the COVID-19 pandemic on pediatric emergency department utilization for head injuries
S Satokar, O B Badake, A C Gielen, E M McDonald, L M Ryan

1423 Treatment with 3-day methylprednisolone pulses in severe cases of COVID-19 compared with the standard regimen protocol of dexamethasone
M Dafni, M Karsampei, J Michaelakis, A Monat, A Spanoudaki, D Mantzes, S Kromissia, V Georgiadou, A Lisini, V Tzavrata

Disclaimer:
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://jim.bmj.com/sites/default/files/misc/JIM_Information_for_Authors.pdf

Committee on Publication Ethics
This journal is a member of and subscribes to the principles of the Committee on Publication Ethics
www.publicationethics.org
### Research tools and issues

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1429</td>
<td>Breakthrough SARS-CoV-2 infections after COVID-19 immunization</td>
<td>J Hirsh, T Htay, S Bhalla, V Nguyen, J Cervantes</td>
</tr>
</tbody>
</table>

### Brief reports

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1433</td>
<td>Methotrexate effects on adenosine receptor expression in peripheral monocytes of persons with type 2 diabetes and cardiovascular disease</td>
<td>A B Reiss, I Telboul, I Kasselman, S Ahmed, S E Carsons, J De Leon</td>
</tr>
</tbody>
</table>

### Letter to the editor

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1442</td>
<td>Comment on 'COVID-19 vaccine efficacy'</td>
<td>R Mungmunpuntipantip, vioj wwananik</td>
</tr>
</tbody>
</table>