



EDITORIAL ON HIGH LOCAL DELIVERY SYSTEMS OF ANTIBIOTICS

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EDITORIAL

International Journal of Pharmacy commemorates its decade long service to the scientific community by consistently publishing peer-reviewed articles and tracking the progress and significant advancements in the field of pharmacy. Ever since its inception in the year 2010, in addition to regular issue releases on a quarterly basis, this transdisciplinary journal is also releasing special issues and conference proceedings from time to time, thus comprehensively covering a wide range of topics and emerging challenges in pharmacy. The journal focuses on application oriented research on pharmaceutical sciences, drug delivery systems, biochemical and biophysical principles with bio-technology, biomedical and biological relevance and utility. In this issue some of the recent and impactful research articles that were published by the journal will be discussed.

High local delivery systems of antibiotics in the treatment of biofilm related infections Maale GE, et al. [1] presented their review wherein, they have shown the use of local antibiotic delivery systems is common in the management of biofilm-related infections as they provide high concentrations of local antibiotics while simultaneously avoiding complications from systemic toxicity. The author analyzed 50 patients undergoing revision arthroplasty for infected total joints or major multiple revisions. Cases included 33 knees (1 bilateral), 15 hips, 1 elbow, and 1 shoulder from 22 females and 28 males. Average patient age was 61 years (range: 13-82).

Based on their results and clinical experience, the antibiotic loaded pure calcium sulfate hemihydrate demonstrates adequacy as a platform for the local delivery of antibiotics at therapeutic concentrations, as well as a stable vehicle for incorporation of both vancomycin and tobramycin. In each of the 5 postoperative days evaluated,

mean local concentrations of antibiotics exceeded values capable of inhibiting common pathogens. We observed no adverse reaction based on the presence of elevated serum concentrations of antibiotics and no occurrence of persistent wound drainage associated with the antibiotic loaded pure calcium sulfate hemihydrate.

With the aim to evaluate the International Journal of Pharmacy, Bennison E. [2] has presented the Editorial International Journal of Pharmacy. The journal is getting indexing in almost all good association now indexed in Google Scholar, Global Impact Factor (GIF), General Foundation for Medical Education and Research, DRJI, Scientific journal impact factor (SJIF), Info base index, Eurasian scientific journal index (ESJI), Hinari Research in Health, International Committee of Medical Journals Editors (ICMJE), Cosmos impact factor, Open Academics Journal Index (OAJI), I2OR, EBSCO, International Innovative Journal Impact Factor (IJIF), Root Indexing, Scientific Indexing Services (SIS). Average download per article is increasing and on an average there are 5654 views in last month.

These research articles published by the journal have immense relevance and significance in development, optimization and evaluation High local delivery systems of antibiotics in the treatment of biofilm related infections and editorial to approach to scientists and young researchers towards the journal.

REFERENCES

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2. Bennison E. Editorial International Journal of Pharmacy. Int J Pharm. 2020;10(3): 1-01.