

Editor note on Pharmacokinetics and Dynamics of Novel Drugs

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Editor Note

Clinical pharmacology biopharmaceutics journal is a peer reviewed, open access journal comprising active portfolio to meet the challenges in the growing biomedical sciences.

Author Naruhashi K, et al., examined the intestinal transport characteristics of morphine and loperamide and the role of P-gp in their transport process. The studies were performed using Caco-2 cell lines to assess bidirectional permeability and inhibition transport systems. The intestinal absorption was examined by an in situ closed-loop method in rats. Results of the study depict that loperamide exhibits secretory transport across rat intestinal tissue and Caco-2 cells, and P-gp substrates cyclosporine A and rhodamine 123 acts as an inhibitor of this transport [1].

Agabio R, et al., investigated the safety and efficacy of oxytocin nasal spray in patients affected by binge eating disorder and obesity. Author conducted a pilot, randomized; double-blind trial with seventeen outpatients affected by binge eating disorder and obesity along with placebo of an energy-restricted diet. Results of the study found to be in line with previous literatures [2].

Review article presented by Bandameedi R., envisaged the recent outbreak of zika virus threat for pregnant women. Recent outbreak of

Zika virus with more pathogenic flavivirus infections created havoc in the world; it's a need of hour to evaluate specific screening and diagnostic tests along with epidemiological data to rectify current global health issues. Author stresses on the short-term actions must be directed to combating the dissemination of vector [3].

The study evaluated the correlation between pharmacokinetics and pharmacodynamics of docetaxel and CYP3A4 activity in the Egyptian cancer patients [4].

References

1. Naruhashi K, Kamino A, Ochi E, Kusabiraki E, Ueda M, et al. (2016) Transport Mechanism of Intestinal Absorption of μ Opioid Receptor Agonists and Contribution of P-Glycoprotein in Rats and Human Intestinal Epithelial Caco-2. *ClinPharmacolBiopharm* 5:154.
2. Agabio R, Farci AMG, Curreli O, Deidda R, Mercurio S, et al. (2016) Oxytocin Nasal Spray in the Treatment of Binge Eating Disorder and Obesity: A Pilot, Randomized, Double-Blind Trial. *ClinPharmacolBiopharm* 5:155.
3. Bandameedi R (2016) Recent Outbreak of Zika Virus Threat for Pregnant Women. *ClinPharmacolBiopharm* 5:157.
4. Omran M, Badary O, Helal A, Shouman S (2016) A Prospective Pharmacokinetic Study of Docetaxel in Breast Cancer Patients in Relation to CYP3A4 Activity. *ClinPharmacolBiopharm* 5: 156.