

Accepted Manuscript

Progress in understanding mechanisms of opioid-induced gastrointestinal adverse effects and respiratory depression

Mohammad Zafar Imam, Andy Kuo, Sussan Ghassabian, Maree T. Smith



PII: S0028-3908(17)30629-9

DOI: [10.1016/j.neuropharm.2017.12.032](https://doi.org/10.1016/j.neuropharm.2017.12.032)

Reference: NP 7009

To appear in: *Neuropharmacology*

Received Date: 25 July 2017

Revised Date: 18 December 2017

Accepted Date: 19 December 2017

Please cite this article as: Imam, M.Z., Kuo, A., Ghassabian, S., Smith, M.T., Progress in understanding mechanisms of opioid-induced gastrointestinal adverse effects and respiratory depression, *Neuropharmacology* (2018), doi: 10.1016/j.neuropharm.2017.12.032.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Progress in understanding mechanisms of opioid-induced gastrointestinal
adverse effects and respiratory depression**

Mohammad Zafar Imam^{1,2}, Andy Kuo², Sussan Ghassabian², Maree T. Smith^{2,3,*}

¹*Faculty of Medicine, The University of Queensland, Brisbane, QLD, Australia*

²*Centre for Clinical Research, The University of Queensland, Brisbane, QLD, Australia*

³*School of Pharmacy, The University of Queensland, Brisbane, QLD, Australia*

* Correspondence: Maree T. Smith; maree.smith@uq.edu.au

Download English Version:

<https://daneshyari.com/en/article/8517148>

Download Persian Version:

<https://daneshyari.com/article/8517148>

[Daneshyari.com](https://daneshyari.com)