

<b>Literature Grading</b>			
<b>Should Antiemetics be Given Prophylactically with Intravenous Opioids While Treating Acute Pain in the Emergency Department?</b>			
<b>Publication</b>	<b>Grade</b>	<b>Quality</b>	<b>Comments</b>
1.Porrecca F, Ossipov MH. Nausea and Vomiting Side Effects with Opioid Analgesics during Treatment of Chronic Pain: Mechanism, Implications, and Management Options. <i>Pain Medicine</i> . 2009; Vol 10(4): 654-662. REVIEW Article.	E	Good	Review Article
2.Talbot-Stern J, Paoloni R. Prophylactic metoclopramide is unnecessary with intravenous analgesia in the ED. <i>Am J Emerg Med</i> . 2000 Oct;18(6):653-7.	A	Outstanding	Prospective, randomized, double blind, placebo-controlled trial
3. Paoloni R, Talbot-Stern J. Low incidence of nausea and vomiting with intravenous opiate analgesia in the ED. <i>Am J Emerg Med</i> . 2002 Nov;20(7):604-8.	C	Good	Prospective, observational study
4. Bradshaw M, Sen A. Use of a prophylactic antiemetic with morphine in acute pain: randomised controlled trial. <i>Emerg Med J</i> . 2006 Mar; 23(3):210-3.	A	Outstanding	Prospective, randomized, controlled trial
5.Yeoh BS, Taylor DM, Taylor SE. Education initiative improves the evidence-based use of metoclopramide following morphine administration in the emergency department. <i>Emerg Med Australas</i> . 2009 Jun; 21(3):178-83	D	Adequate	Pre- and post-intervention trial
6.Culver MA, Richards EC, Jarrell DH, Edwards CJ. Use of prophylactic ondansetron with intravenous opioids in emergency department patients. <i>J Emerg Med</i> . 2017 Nov; 53(5): 629-634.	C	Outstanding	Prospective, observational, pilot study
7. Bounes V, Charriton-Dadone B, Levraut J, Delangue C, Carpentier F, Mary-Chalon S, Houze-Cerfon V, Sommet A, Houze-Cherfon CH, Ganetsky M. Predicting morphine related side effect in the ED: An international cohort study. <i>Am J Emerg Med</i> . 2017 Apr; 35(4): 531-535	C	Good	Prospective, observational, pharmaco-epidemiological international cohort study
8. Ishihara M, Ikesue H, Matsunaga H, Suemaru K, Kitaichi K, Suetsugu K, Oishi R, Sendo T, Araki H, Itoh Y. A Multi-institutional Study Analyzing Effect of Prophylactic Medication for Prevention of Opioid-induced Gastrointestinal Dysfunction. <i>Clin J Pain</i> . 2012 Jun; 28(5): 373-381.	D	Good	Multi-institutional, retrospective study
9. Giusti R, Mazzotta M, Filetti M, Daniele G, Tsukuura H, Ficorella C, Porzio G, Marchetti P, Verna L. Prophylactic use of antiemetics for prevention of opioid-induced nausea and vomiting: a survey about Italian physicians' practice. <i>Supportive Care in Cancer</i> . 2019 Jan: 1-5.	E	Poor	Web-based cross-sectional national survey
10. Nicholson B. Economic and clinical burden of opioid-induced nausea and vomiting. <i>Postgraduate Medicine</i> . 2016 Oct; 129(1): 111-117.	E	Poor	Review Article