



Publications

CYP2D6-Opioids Clinical Implementation

Late Updated August 17, 2018

1. Mosley SA, Hicks KJ, Portman DG, Donovan KA, Gopala P, Schmit J, Starr J, Silver N, Gong Y, Langae T, Clare-Salzler M, Starostik P, Chang YD, Rajasekhara S, Smith JE, Soares HP, George TJ Jr, McLeod HL, Cavallari LH. Design and rationale for the precision medicine guided treatment for cancer pain pragmatic clinical trial. *Contemporary Clinical Trials*. 2018 May;68:7-13. DOI: 10.1016/j.cct.2018.03.001. PMID: 29535047. PMCID: PMC5899651.
2. Sperber NR, Carpenter JS, Cavallari LH, Damschroder J, Cooper-DeHoff RM, Denny JC, Ginsburg GS, Guan Y, Horowitz CR, Levy KD, Levy MA, Madden EB, Matheny ME, Pollin TI, Pratt VM, Rosenman M, Voils CI, Weitzel K, Wilke RA, Ryanne Wu R, Orlando LA. Challenges and strategies for implementing genomic services in diverse settings: experiences from the Implementing GeNomics In practice (IGNITE) network. *BMC Med Genomics*. 2017 May; 10(1):35. DOI 10.1186/s12920-017-0273-2. PMID: 28532511. PMCID: PMC5441047.
3. Cavallari LH, Lee CR, Duarte JD, Nutescu EA, Weitzel KW, Stouffer GA, Johnson JA. Implementation of inpatient models of pharmacogenetics programs. *Am J Health Syst Pharm*. 2016 Dec; 73(23):1944-1945. PMID: 27864202. PMCID: PMC5359627.
4. Arwood MJ, Chumnumwat S, Cavallari LH, Nutescu EA, Duarte JD. Implementing Pharmacogenomics at Your Institution: Establishment and Overcoming Implementation Challenges. *Clin Transl Sci*. 2016 Oct; 9(5):233-245. DOI 10.1111/cts.12404. PMCID: PMC5121089.
5. Gammal RS, Crews KR, Haidar CE, Hoffman JM, Baker DK, Barker PJ, Estep JH, Pei D, Broeckel U, Wang W, Weiss MJ, Relling MV, Hankins J. Pharmacogenetics for Safe Codeine Use in Sickle Cell Disease. *Pediatrics*. 2016 Jul;138(1). pii: e20153479. doi: 10.1542/peds.2015-3479. PubMed PMID: 27335380; PubMed Central PMCID: PMC4925073.
6. Crews KR, et al. Development and implementation of a pharmacist-managed clinical pharmacogenetics service. *Am J Health Syst Pharm*. 2011 Jan 15;68(2):143-50. doi: 10.2146/ajhp100113. PubMed PMID: 27864202
7. Dunnenberger HM, Crews KR, Hoffman JM, Caudle KE, Broeckel U, Howard SC, Hunkler RJ, Klein TE, Evans WE, Relling MV. Preemptive clinical pharmacogenetics implementation: current programs in five US medical centers. *Annu Rev Pharmacol Toxicol*. 2015;55:89-106. doi: 10.1146/annurev-pharmtox-010814-124835. Review. PubMed PMID: 25292429; PubMed Central PMCID: PMC4607278.
8. Hoffman JM, Haidar CE, Wilkinson MR, Crews KR, Baker DK, Kornegay NM, Yang W, Pui CH, Reiss UM, Gaur AH, Howard SC, Evans WE, Broeckel U, Relling MV. PG4KDS: a model for the clinical implementation of pre-emptive pharmacogenetics. *Am J Med Genet C Semin Med Genet*. 2014 Mar;166C(1):45-55. doi: 10.1002/ajmg.c.31391. PubMed PMID: 24619595; PubMed Central PMCID: PMC4056586.
9. Nicholson WT, Formea CM. Clinical perspective on the Clinical Pharmacogenetics Implementation Consortium Updated 2014 guidelines for CYP2D6 and codeine. *Clin Chem*. 2015 Feb;61(2):319-21. doi: 10.1373/clinchem.2014.226795. PubMed PMID: 25301855.

10. Crews KR, Caudle KE, Dunnenberger HM, Sadhasivam S, Skaar TC. Considerations for the Utility of the CPIC Guideline for CYP2D6 Genotype and Codeine Therapy. *Clin Chem*. 2015 May;61(5):775-6. doi: 10.1373/clinchem.2014.237412. PubMed PMID: 25770140.