



Publications
CYP2D6 and CYP2C19-SSRI Evidence Overview
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1. Roy LM, Zur RM, Uleryk E, Carew C, Ito S, Ungar WJ. Thiopurine S-methyltransferase testing for averting drug toxicity in patients receiving thiopurines: a systematic review. *Pharmacogenomics*. 2016 Apr;17(6):633-56. doi: 10.2217/pgs.16.12. PubMed PMID: 27020704; PubMed Central PMCID: PMC4931919.
2. DiPiero J, Teng K, Hicks JK. Should thiopurine methyltransferase (TPMT) activity be determined before prescribing azathioprine, mercaptopurine, or thioguanine? *Cleve Clin J Med*. 2015 Jul;82(7):409-13. doi: 10.3949/ccjm.82a.14106. PubMed PMID: 26185939.
3. Lennard L. Implementation of TPMT testing. *Br J Clin Pharmacol*. 2014 Apr;77(4):704-14. doi: 10.1111/bcp.12226. PubMed PMID: 23962279; PubMed Central PMCID: PMC3971986.
4. Hindorf U, Appell ML. Genotyping should be considered the primary choice for pre-treatment evaluation of thiopurine methyltransferase function. *J Crohn's Colitis* 2012; 6: 655–9.
5. Donnan JR, Ungar WJ, Mathews M, Rahman P. Systematic review of Thiopurine methyltransferase genotype and enzymatic testing strategies. *Ther Drug Monit*. 2011 Apr;33(2):192-9. doi: 10.1097/FTD.0b013e31820810cd. Review. PubMed PMID:21240057.
6. Booth RA, Ansari MT, Loit E, Tricco AC, Weeks L, Doucette S, Skidmore B, Sears M, Sy R, Karsh J. Assessment of thiopurine S-methyltransferase activity in patients prescribed thiopurines: a systematic review. *Ann Intern Med*. 2011 Jun 21;154(12):814-23, W-295-8. doi: 10.7326/0003-4819-154-12-201106210-00009. Review. PubMed PMID: 21690596.
7. Stocco G, Crews KR, Evans WE. Genetic polymorphism of inosine-triphosphate-pyrophosphatase influences mercaptopurine metabolism and toxicity during treatment of acute lymphoblastic leukemia individualized for thiopurine-S-methyl-transferase status. *Expert Opin Drug Saf*. 2010 Jan;9(1):23-37. doi: 10.1517/14740330903426151. Review. PubMed PMID: 20021291.
8. Evans WE. Pharmacogenetics of thiopurine S-methyltransferase and Thiopurine therapy. *Ther Drug Monit*. 2004 Apr;26(2):186-91. Review. PubMed PMID: 15228163.
9. Sandborn WJ. Pharmacogenomics and IBD: TPMT and thiopurines. *Inflamm Bowel Dis*. 2004 Feb;10 Suppl 1:S35-7. Review. PubMed PMID: 15168829.
10. Weinshilboum, R. Inheritance and drug response. *N. Engl. J. Med*. 348, 529–537 (2003)