

ADDENDUM Addendum: Pharmacogenetic testing of *CYP2C9* and *VKORC1* alleles for warfarin



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Addendum to: "Pharmacogenetic testing of *CYP2C9* and *VKORC1* alleles for warfarin." David A. Flockhart, MD, PhD, Dennis O'Kane, PhD, Marc S. Williams, MD, Michael S. Watson, PhD; ACMG Working Group on Pharmacogenetic Testing of CYP2C9, VKORC1 Alleles for Warfarin Use. *Genetics in Medicine* 10(2):139-150 (2008). https://doi.org/10.1097/GIM. 0b013e318163c35f, published online 01 February 2008.

ARTICLE INFO

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At their meeting on August 9, 2023, the Professional Practice and Guidelines Committee members voted to retire the Policy Statement, "Pharmacogenetic testing of CYP2C9 and VKORC1 alleles for warfarin," which was originally published in 2008. The Professional Practice and Guidelines Committee members concluded that this document is outdated and is expected to be superseded by a newly drafted comprehensive practice guideline. Although portions of the original document were believed to hold continuing relevance for clinical testing laboratories, it was the belief of the Professional Practice and Guidelines Committee members that, with the advent of sequencing techniques, the availability of several key statements from relevant agencies, the need for clinical trials, and updates on the extended understanding about CYP2C9 haplotypes,¹⁴ the new practice guideline would be expected to address these unmet knowledge gaps.

Conflict of Interest

The authors declare no conflicts of interest.

References

- Johnson JA, Caudle KE, Gong L, et al. Clinical Pharmacogenetics Implementation Consortium (CPIC) guideline for pharmacogeneticsguided warfarin dosing: 2017 update. *Clin Pharmacol Ther*. 2017;102(3):397-404. http://doi.org/10.1002/cpt.668
- Pratt VM, Cavallari LH, Del Tredici AL, et al. Recommendations for clinical CYP2C9 genotyping allele selection: a joint recommendation of the Association for Molecular Pathology and College of American Pathologists. J Mol Diagn. 2019;21(5):746-755. http://doi.org/10.1016/j. jmoldx.2019.04.003
- Dean L. Warfarin therapy and VKORC1 and CYP genotype. In: Pratt VM, Scott SA, Pirmohamed M, et al., eds. Updated June 11, 2018. *Medical Genetics Summaries*. National Center for Biotechnology Information; 2012.
- Van der Lee M, Rowell WJ, Menafra R, Guchelaar HJ, Swen JJ, Anvar SY. Application of long-read sequencing to elucidate complex pharmacogenomic regions: a proof of principle. *Pharmacogenomics J*. 2022;22(1):75-81. http://doi.org/10.1038/s41397-021-00259-z

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