

# CACNA1S and Medications

## Does it matter for me?

The *CACNA1S* gene makes a protein that helps red blood cells function. Specific variants in the *CACNA1S* gene are associated with malignant hyperthermia (MH). MH is an inherited condition that causes a dangerous and sometimes life-threatening reaction to certain **surgical medications**, such as anesthetics.

Based on your *CACNA1S* result below and if you are planning to have surgery in the future, discuss this result with your surgeon or anesthesiologist. You can print out your test result and this guide to bring to your appointment.

Healthcare providers consider many factors when prescribing a medication including health history, other medications you are taking, lifestyle factors, and genetics. **Do not change your medication habits without talking to your prescribing healthcare provider.**

Genetic Result	Which medications can be impacted?
No variants detected	No impact on medication decisions
Malignant hyperthermia risk	<b>General anesthesia:</b> Desflurane (Suprane), Isoflurane (Forane, Terrell), Sevoflurane (Sevorane, Sojourn, Ultane) <b>Muscle relaxants:</b> Succinylcholine (Quelicin, Anectine)

This guide is an informational resource. Medications listed here could be impacted by specific genetic results, according to FDA drug labels, or the Clinical Pharmacogenetics Implementation Consortium (CPIC)

- [www.fda.gov/medical-devices/precision-medicine/table-pharmacogenetic-associations](http://www.fda.gov/medical-devices/precision-medicine/table-pharmacogenetic-associations)
- [cpicpgx.org/guidelines](http://cpicpgx.org/guidelines)