S13-3 Statin-induced rhabdomyolysis and genetic marker

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Statins induce muscle complaints including rhabdomyolysis. Although its frequency is rare, it is a potentially lethal adverse drug reaction. Its risk factors remain to be clarified, however, mutation of OATP1B1 gene (T521C) has been reported to be associated with statin-induced myopathy. The mutation decreases the uptake of statins into the liver via OATP1B1 and increases the plasma levels of statins. However, the extent of increase is not so remarkable, and the frequency of the mutation is not so low. Thus, the other factors may be involved in the statin-induced rhabdomyolysis. I would like to summarize and give some speculation on the genetic factors involved in the statin-induced myopathy.