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Review Article: The 22 Pleiotropic Properties of Statin and Cardiovascular Diseases the Roles of Atorvastatin with Its PPECCAT-GOMMESAAB Effects

Abstract

There are 22 possible pleiotropic atheroprotective effects of statin. Specifically, it was hypothesized that in addition to their beneficial lipid modulating activity, specific metabolites (but not the parent drug) of atorvastatin called AT.M (ATorvastatin Metabolite). Atorvastatin is very effective in lowering LDL-C levels, and the clinical evidence-based data have been proved by the results of prominent studies, such as AVERT (Pitt et al. 1999), ASAP (Smilde et al. 2001), MIRACL (Schwartz et al. 2001, Waters et al. 2002), and GREACE (Athyros et al. 2002), CARDS (Colhoun et al. 2005), REVERSAL (Nissen 2005), PROVE IT-TIMI 22 (Sever et al. 2005), ASCOT-LLA (Sever et al. 2005), ARMYDA-3 (Patti et al. 2006), TNT-Subgroup Analysis (Khus et al. 2007), ASCOT-LLA Extension (Sever et al. 2008), and SANDS (Howard et al. 2008). The aim of this article is to describe shortly pleiotropic properties of statins (which in part = 16 components can be indicated as PPECCAT-GOMMESAAB) from basic to possible clinical application (focus on atorvastatin), to general practitioners, residents, internists, and other associated specialists.

Keyword: Atorvastatins, PPECCAT-GOMMESAAB, cardiovascular, diseases, ,

Daftar Pustaka: