



Update - August 2021



Curated by Peter Lansberg,
a Dutch lipidologist and educator, and
reviewed by prof. Philip Barter, Past President of the
International Atherosclerosis Society.

The IAS statin literature update will keep you up to date with all recent statin publications, using a curated approach to select relevant articles.

Statin publications August 2021

Add on treatments

1. Marquis-Gravel G, Goodman SG, Anderson TJ *et al.* Colchicine for Prevention of Atherothrombotic Events in Patients with Coronary Artery Disease: Review and Practical Approach for Clinicians. *Can J Cardiol* 2021.
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2. Lee SA, Kim W, Hong TJ *et al.* Effects of Fixed-Dose Combination of Low-Intensity Rosuvastatin and Ezetimibe Versus Moderate-Intensity Rosuvastatin Monotherapy on Lipid Profiles in Patients With Hypercholesterolemia: A Randomized, Double-

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 4. Jadhav SB, Crass RL, Chapel S *et al.* Pharmacodynamic effect of bempedoic acid and statin combinations: predictions from a dose-response model. European heart journal. Cardiovascular pharmacotherapy 2021.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34448822>
 5. Liu Q, Dong T, Xi M *et al.* Tongxinluo Capsule Combined with Atorvastatin for Coronary Heart Disease: A Systematic Review and Meta-Analysis. Evidence-based complementary and alternative medicine : eCAM 2021; 2021:9413704.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34335841>
 6. Matsuzaki S, Miller H, Takiuchi T *et al.* Effects of aspirin and statin use on venous thromboembolism prophylaxis and survival in patients with endometrial cancer. Expert opinion on drug safety 2021:1-13.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34437828>
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<http://www.ncbi.nlm.nih.gov/pubmed/?term=34336644>
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 9. Li W, Song J, Li J *et al.* Co-amorphization of atorvastatin by lisinopril as a co-former for solubility improvement. Int J Pharm 2021; 607:120971.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34363915>
 10. Choi J, Sung KC, Ihm SH *et al.* Central blood pressure lowering effect of telmisartan-rosuvastatin single-pill combination in hypertensive patients combined with dyslipidemia: A pilot study. Journal of clinical hypertension (Greenwich, Conn.) 2021. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34384001>
 11. Colvin CL, Poudel B, Bress AP *et al.* Race/ethnic and sex differences in the initiation of non-statin lipid-lowering medication following myocardial infarction. J Clin Lipidol 2021. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34452823>
 12. Sherratt SCR, Juliano RA, Copland C *et al.* EPA and DHA containing phospholipids have contrasting effects on membrane structure. Journal of lipid research 2021; 62:100106. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34400132>

13. Giugliano RP, Gencer B, Wiviott SD *et al.* Prospective Evaluation of Malignancy in 17,708 Patients Randomized to Ezetimibe Versus Placebo: Analysis From IMPROVE-IT. JACC CardioOncol 2020; 2:385-396.
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14. Liu Y, Shao Y, Xie J *et al.* The efficacy and safety of metformin combined with simvastatin in the treatment of polycystic ovary syndrome: A meta-analysis and systematic review. Medicine (Baltimore) 2021; 100:e26622.
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15. Zhang Y, Chen H, Chen S *et al.* The effect of concomitant use of statins, NSAIDs, low-dose aspirin, metformin and beta-blockers on outcomes in patients receiving immune checkpoint inhibitors: a systematic review and meta-analysis. Oncoimmunology 2021; 10:1957605.
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16. Barry AR, Dixon DL. Omega-3 fatty acids for the prevention of atherosclerotic cardiovascular disease. Pharmacotherapy 2021.
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18. Bellos I, Pergialiotis V, Perrea DN. Comparative efficacy of fixed-dose statin and antihypertensive agent combinations: A network meta-analysis of randomized controlled trials. Vascul Pharmacol 2021:106900.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34343694>

Adherence

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Atorvastatin/Rosuvastatin

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5. Piras CC, Patterson AK, Smith DK. Hybrid Self-Assembled Gel Beads for Tuneable pH-Controlled Rosuvastatin Delivery. Chemistry (Weinheim an der Bergstrasse, Germany) 2021. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34346527>
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Basic science

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Cancer

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