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 April 2021**

**Add on treatments**


11. Picard F, Steg PG. Cardiovascular Disease Risk Reduction in Mild-Moderate Hypertriglyceridemia: Integrating Prescription of Omega-3 with Standard


31. Im J, Kawada-Watanabe E, Yamaguchi J et al. Baseline low-density lipoprotein cholesterol predicts the benefit of adding ezetimibe on statin in statin-naïve...

**Adherence**

3. May HT, Knowlton KU, Anderson JL *et al.* High Statin Adherence over 5 Years of Follow-up is Associated with Improved Cardiovascular Outcomes in Patients with Atherosclerotic Cardiovascular Disease: Results from the IMPRES Study. *European heart journal. Quality of care & clinical outcomes* 2021.

Atherosclerosis & Imaging


**Atorvastatin/Rosuvastatin**


15. Xu I, Taub PR. Baseline testosterone level may modulate statin efficacy.  

16. Zuo Y, Chen L, He X et al. Atorvastatin Regulates MALAT1/miR-200c/NRF2 Activity to Protect Against Podocyte Pyroptosis Induced by High Glucose.  


Basic science


47. Shakeel F, Alshehri S, Ibrahim MA et al. Solubilization and thermodynamic properties of simvastatin in various micellar solutions of different non-ionic

Cancer


Children


3. Kim SY, Song YS, Wee JH et al. Evaluation of the relationship between previous statin use and thyroid cancer using Korean National Health Insurance Service-
Cost-effectiveness


CVD


7. Ryoo IS, Chang J, Son JS et al. Association between CVDs and initiation and adherence to statin treatment in patients with newly diagnosed


17. May HT, Knowlton KU, Anderson JL et al. High Statin Adherence over 5 Years of Follow-up is Associated with Improved Cardiovascular Outcomes in Patients
with Atherosclerotic Cardiovascular Disease: Results from the IMPRES Study. 

algorithms for cardiovascular prevention in Switzerland. Eur J Prev Cardiol 2021; 

19. Danese MD, Pemberton-Ross P, Catterick D, Villa G. Estimation of the increased 
risk associated with recurrent events or polyvascular atherosclerotic 
cardiovascular disease in the United Kingdom. Eur J Prev Cardiol 2021; 28:335-

20. Ghayda RA, Lee JY, Yang JW et al. The effect of statins on all-cause and 
cardiovascular mortality in patients with non-dialysis chronic kidney disease, 
patients on dialysis, and kidney transplanted recipients: an umbrella review of 

coronary interventions. EuroIntervention : journal of EuroPCR in collaboration 
with the Working Group on Interventional Cardiology of the European Society of 
Cardiology 2021; 16:1389-1403. 

22. Zeng L, Ye Z, Li Y et al. Different Lipid Parameters in Predicting Clinical 
Outcomes in Chinese Statin-Naïve Patients After Coronary Stent Implantation. 
Frontiers in cardiovascular medicine 2021; 8:638663. 

23. Dayoub EJ, Eberly LA, Nathan AS et al. Adoption of PCSK9 Inhibitors Among 

24. Kobayashi J. Pitavastatin versus Atorvastatin: Potential Differences in their 
Effects on Serum Lipoprotein Lipase and Cardiovascular Disease. J Atheroscler 

25. Yang YL, Leu HB, Yin WH et al. Adherence to Healthy Lifestyle Improved Clinical 
Outcomes in Coronary Artery Disease Patients After Coronary Intervention. 

26. Okumus T, Pala AA, Taner T, Aydin U. Effects of Preoperative Statin on the 
Frequency of Ventricular Fibrillation and C-Reactive Protein Level in Patients 
Undergoing Isolated Coronary Artery Bypass Grafting. Journal of the College of


Endothelium/inflammation


**FH**


6. Turkyilmaz A, Kurnaz E, Alavanda C et al. The Spectrum of Low-Density Lipoprotein Receptor Mutations in a Large Turkish Cohort of Patients with
Genetics


Guidelines
10. Campos-Staffico AM, Cordwin D, Ding Y et al. Fewer patients receive recommendations for pharmacotherapy in primary prevention using the 2018


**LDL-related parameters**


19. Im J, Kawada-Watanabe E, Yamaguchi J et al. Baseline low-density lipoprotein cholesterol predicts the benefit of adding ezetimibe on statin in statin-naïve...

**Lifestyle**


**Meta-analyses**


**Metabolic Syndrome - Diabetes**


New Treatments


**Other**


4. Thomson MJ, Serper M, Khungar V et al. Prevalence and factors associated with statin use among patients with non-alcoholic fatty liver disease in TARGET-NASH. *Clinical gastroenterology and hepatology : the official clinical practice*


**PAD and statins**


**Pleiotropic effects of statins**


Primary Prevention


7. Abdulwahab DK, Ibrahim WW, Abd El-Aal RA et al. Grape seed extract improved the fertility-enhancing effect of atorvastatin in high-fat diet-induced testicular


Registry data


8. Feng JL, Dixon-Suen SC, Jordan SJ, Webb PM. Is there sufficient evidence to recommend women diagnosed with endometrial cancer take a statin: Results


Renal Disease


Reviews


Safety and side effects


19. Elmekawy HA, Belal F, Abdelaziz AE et al. Pharmacokinetic interaction between atorvastatin and fixed-dose combination of sofosbuvir/ledipasvir in healthy male


of personalized medicine 2021; 11.


Stroke and CNS


**Triglycerides/HDL**


### Trials


24. Im J, Kawada-Watanabe E, Yamaguchi J et al. Baseline low-density lipoprotein cholesterol predicts the benefit of adding ezetimibe on statin in statin-naïve...
Women and elderly


2. Lim LS. In older adults without CVD, treating 100 persons with statins for 2.5 y prevents 1 MACE. Annals of internal medicine 2021; 174:Jc39.  


This activity is supported by an educational grant from Viatris.
© P.J. Lansberg