

LIPID-LOWERING AGENTS

Effects on Lipoproteins

Drug	Total Cholesterol (%)	LDLC (%)	HDLc (%)	TG (%)
Bile acid resins	↓20-25	↓20-35	→	↑5-20
Fibric acid derivatives	↓10	↓10 (†)	↑10-20	↓40-55
HMG-CoA RI (statins)	↓15-60	↓20-40	↑2-15	↓7-25
Nicotinic acid	↓25	↓20	↑20	↓40
Probucol	↓10-15	↓10	↓30	→
Ezetimibe	↓12-13	↓16-18	↑1-4	↓5-6

Lipid-Lowering Agents

Drug	Dose / Day	Effect on LDL (%)	Effect on HDL (%)	Effect on TG (%)
HMG-CoA Reductase Inhibitors				
Atorvastatin	10 mg	-39	+6	-19
	20 mg	-43	+9	-26
	40 mg	-50	+6	-29
	80 mg	-60	+5	-37
Fluvastatin	20 mg	-22	+3	-12
	40 mg	-25	+4	-14
	80 mg	-36	+6	-18
Lovastatin	10 mg	-21	+5	-10
	20 mg	-27	+6	-8
	40 mg	-31	+5	-8
	80 mg	-40	+9.5	-19
Pravastatin	10 mg	-22	+7	-15
	20 mg	-32	+2	-11
	40 mg	-34	+12	-24
	80 mg	-37	+3	-19
Rosuvastatin	5 mg	-45	+13	-35
	10 mg	-52	+14	-10
	20 mg	-55	+8	-23
	40 mg	-63	+10	-28
Simvastatin	5 mg	-26	+10	-12
	10 mg	-30	+12	-15
	20 mg	-38	+8	-19
	40 mg	-41	+13	-28
	80 mg	-47	+16	-33
Bile Acid Sequestrants				
Cholestyramine	4-24 g	-15 to -30	+3 to +5	+0 to +20
Colestipol	7-30 g	-15 to -30	+3 to +5	+0 to +20
Coesevelam	6 tablets	-15	+3	+10
	7 tablets	-18	+3	+9
Fibric Acid Derivatives				
Fenofibrate	67-200 mg	-20 to -25	+1 to +20	-30 to -50
Gemfibrozil	600 mg twice daily	-5 to -10 ¹	+10 to +20	-40 to -60
Niacin	1.5-6 g	-21 to -27	+10 to +35	-10 to -50
2-Azetidinone				
Ezetimibe	10 mg	-18	+1	-8
Omega-3-Acid Ethyl Esters	4 g	+44.5	+9.1	-44.9
Combination Products				
Ezetimibe and fenofibrate	10/160 mg	-20	+19	-44
Ezetimibe and simvastatin	10/10 mg	-45	+8	-23
	10/20 mg	-52	+10	-24
	10/40 mg	-55	+6	-23
	10/80 mg	-60	+6	-31
Niacin and lovastatin	1000/20 mg	-30	+20	-32
	1000/40 mg	-36	+20	-39
	1500/40 mg	-37	+27	-44
	2000/40 mg	-42	+30	-44

¹May increase LDL in some patients.

Recommended Liver Function Monitoring for HMG-CoA Reductase Inhibitors

Agent	Initial and After Elevation in Dose	6 Weeks ¹	12 Weeks ¹	Periodically
Atorvastatin (Lipitor®)	x		x	x
Fluvastatin (Lescol®)	x		x	x
Lovastatin (Mevacor®)	x	x	x	x
Pravastatin (Pravachol®)	x			x
Simvastatin (Zocor®)	x			x

¹After initiation of therapy or any elevation in dose.