























APPROVED DRUG CLASSES FOR TREATING ABNORMAL LIPIDS				
Drug Class	Mechanism			
Statins	Interfere with cholesterol synthesis, upregulate LDL receptors, reduce VLDL-C, increase HDL-C, reduce non–HDL-C			
Niacin	Reduces VLDL-C production, decreases uptake of HDL-C			
Fibrates	Activate PPAR α , increase lipoprotein lipase activity, decrease VLDL-C production			
Bile-acid binding resins	Prevent reabsorption of bile acids, upregulate LDL receptors			
Cholesterol Absorption Inhibitors	Selectively inhibits the absorption of cholesterol in the small intestine			

	EF	FECTS C	of Drug	g classes
			ON SEF	RUM LIPIDS
Drug Class	тс	LDL	HDL	TG
Resins	↓ 20%	↓ 10%–20%	↑ 3%–5%	Variable
Nicotinic acid	↓ 25%	↓ 10%–15%	↑ 15%–35%	↓ 20%–50%
Fibrates	↓ 15%	Variable	↑ 6%–15%	↓ 20%–50%
Statins	↓ 15%–60%	↓ 20%–60%	↑ 3%–15%	↓ 10%–40%
CAI	↓ 12%–13%	↓18%	↑1%	↓ 7%–9%
AL CONT				
Adapted from Gotto AM Jr. Management of lipid and lipoprotein disorders. In: Gotto AM Jr. Pownall HJ, eds. Manual of lipid disorders. Baltimore: Williams & Wilkins; 1992; Rubins HB, et al. N Engl J Med. 1999;341:410-418. Ezelimbe Package Insert, October 20092;				

DIETARY AND LIFESTYLE APPROACHES TO LOWER CHOLESTEROL

- >Diet by addition...food as medicine: a Whole Foods diet
- >Adding supplements to enhance medication effects
- >Weight reduction, calorie restriction if necessary
- ➢Good fats vs bad fats
- ➢Plant Sterols
- ≻Fiber
- ≻Soy
- ≻Fish and Omega 3 fatty acids
- ≻Exercise
- Stress management









































































THE NEW NATIVE-AMERICAN DIET

Native Earth Diet Earth grains

Lean meat, buffalo/fish Breads, corn Vegetables Fruits/berries Clear clean water

The New Native American Diet

Processed grains McDonalds/KFC Fry bread/donuts French fries Sugar, corn syrup Alcohol



	TO REDUCE DL CHOLESTEROL		
• <u>Strategy</u>	Approx. LDL		
	<u>Lowering</u>		
Moderate weight loss	5%		
Add fiber/almonds/soy	5-6%		
2 grams phytosterols	10%		
Restrict saturated fat/trans			
fat/cholesterol	10%		
Statin drugs	20-50%		

















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