



WASHINGTON STATE UNIVERSITY

**Elson S. Floyd
College of Medicine**

NEED TO KNOW

CHOLESTEROL (LIPIDS 4)

Describe the structure, synthesis, and degradation of cholesterol and the control of these processes.

- HMG Co A Reductase
- Cholesterol synthesis
- Statins

Describe the synthesis and function of bile acids and bile salts.

- cholesterol-7- α -hydroxylase
- Enterohepatic circulation of bile
- Bile salt and acid synthesis
- Cholelithiasis
- Cholestyramine



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Describe the metabolism of chylomicrons, VLDL, LDL, HDL, and explain how these lipoproteins impact health.

- ApoA1
- ApoB
- ApoE
- ApoCII
- LCAT
- ACAT
- CETP
- HDL
- LDL
- VLDL
- Chylomicrons
- Lipoprotein lipase
- familial hypercholesterolemia, FH
- Abetalipoproteinemia
- Atherosclerosis

Describe how steroids are synthesized and utilized by the body.

- Desmolase