

Erratum: Figure Correction

Intestinal and Hepatic Niemann-Pick C1-Like 1

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To the Editor:

An error was found in the following published article: Park SW. Intestinal and hepatic niemann-pick c1-like 1. Diabetes Metab J 2013;37(4):240-8. doi: 10.4093/dmj.2013.37.4.240.

The published Fig. 1 is to explain the expression and role of NPC1L1 in the intestine and liver. The arrows of NPC1L1 and ABCG5/ABCG8 in the liver were reversed by an inadvertent mistake. A corrected version of Fig. 1 is attached.

Corrected Fig. 1.

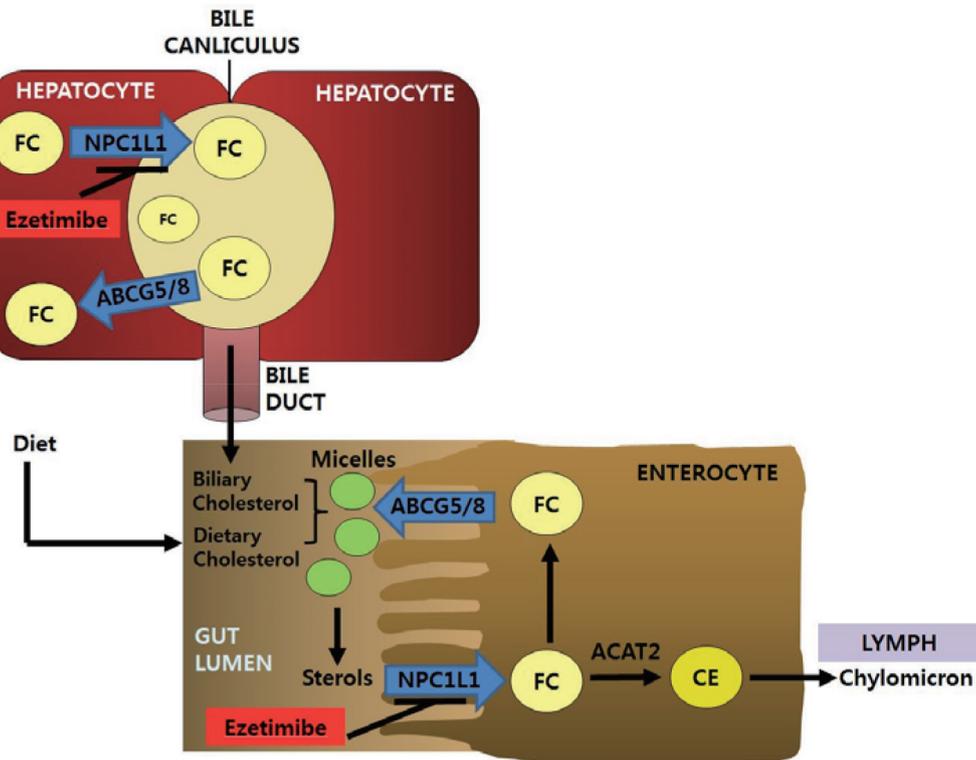


Fig. 1. The role of Niemann-Pick C1-Like 1 (NPC1L1) in cholesterol transport in the intestine and liver. NPC1L1 is located at intestinal brush border and hepatocanicular membrane. In the lumen of small intestine, biliary and dietary cholesterol are mixed and solubilized to form micelles. NPC1L1 transports sterols from brush border membrane to intracellular compartments. Most free cholesterol (FC) is esterified by acyl coenzyme A: cholesterol acyltransferase 2 (ACAT2) to form cholesterol esters (CE), packed into chylomicrons and then secreted into mesenteric lymph. Liver NPC1L1 facilitates the transfer of secreted biliary cholesterol back into hepatocytes and prevents cholesterol loss. The cholesterol efflux transporter, ATP-binding cassette transporter G5 and G8 (ABCG5/ABCG8) also are expressed in the intestine and liver and promote excretion of sterols from hepatocytes or enterocytes into bile or intestinal lumen. Ezetimibe inhibits NPC1L1-mediated cholesterol transport in intestine and liver.