

Lipoprotein lipase and apolipoprotein C-II are involved in the break down of fatty acids, when these are deficient or altered, triglycerides are accumulated and levels increase.

## Symptoms/Findings

### **Pancreatitis**

[Pancreas-on-fire](#)

The accumulation of chylomicrons can reduce blood flow through the pancreas, leading to acute pancreatitis.

### **Hepatosplenomegaly**

[Liver-and-spleen-balloons](#)

Patients with hyperchylomicronemia may also have an enlarged liver and spleen (hepatosplenomegaly). The higher the levels of fat in the body, the larger the liver and spleen become. As fat levels rise, certain white blood cells called macrophages take in excess fat in an attempt to rid fat from the bloodstream. After taking in fat, the macrophages travel to the liver and spleen, where the fatty cells accumulate.

### **No Increased Risk for Atherosclerosis**

[X on top of Clogged-Artery-guy with Up-arrow-risk on Monitor](#)

Unlike other familial dyslipidemias, patients with hyperchylomicronemia do not have an increased risk for atherosclerosis.

### **Eruptive/Pruritic Xanthomas**

[Zen-master-Jedi eating a Cholesterol-lava-burger with his Pruritic-prairie-dog](#)

Eruptive/pruritic xanthomas are benign skin lesions that can be described as red-yellow dermal papules during examination that are caused by localized deposition of lipids in the dermis.

### **Milky White Appearance of Blood When Drawn**

[Spilled-milk and Syringe](#)

When blood is drawn the plasma may have a milky appearance due to excessive lipids in blood.