

Case Description

A 35 year old male presented with sudden onset epigastric pain associated with vomiting. He was not on any regular medications, drank alcohol socially, and had no significant past medical history. Bloods drawn were unable to be processed due to lipemic interference, and when left to stand, plasma from the patient's blood gave a milky appearance (Figure 1). Repeated samples of blood eventually revealed a triglyceride level of 79.1 mmol/L (reference interval <2.3 mmol/L). A computerized tomography scan of his abdomen confirmed severe necrotising pancreatitis, that was secondary to severe hypertriglyceridaemia [1].

Figure 1: Milky appearance of plasma from patient blood

Therapeutic plasma exchange was commenced. Although hypertriglyceridaemia is an uncommon indication for plasma exchange, it is effective in reducing triglyceride levels quickly. In this case, triglyceride