parenteral nutrition in acute pancreatitis

Mossavi.Z, Farsi.Z

Abstract

Background: Acute pancreatitis, an acute inflammatory condition, is caused by quickly activation of enzymes in the pancreatic acinar cells. Early nutritional support plays an important role in preventing serious complications and ensuring optimal recovery in patients with acute pancreatitis and malnutrition, in this article, review the findings of 5 randomised controlled trials (RCTs) In which investigators compared the outcomes of enteral nutrition and parenteral nutrition in patients with acute pancreatitis and discuss the implications of the results of these studies for current nursing practice.

Materials and Methods: In the present review article a board search of the English and Persian language literatures was performed incorporating both electronic and manual impubmed, ovid and SINHAL with than and internal Nutrition key words components from 1996-2010.

Results: Traditionally, patients with acute pancreatitis were either treated with strict bowel rest or given parenteral nutrition to allow the pancreas to rest. Unfortunately, some dis advantages are associated with the use of parenteral nutrition; one of the most serious is catheter-related sepsis, currently, enteral nutrition is preferred for patients with acute and sever pancreatitis because it is more cost-effective than parenteral nutrition and results in fever complication. Total parenteral Nutrition should be used only when a patient can not tolerate enteral nutrition.

Conclusion: The studis reviewed for this article provide evidence that the use of enteral nutrition is better than the use of parenteral nutrition in management of patients with acute pancreatitis, knowledge from current research studies and guidelines are important because nurse can play an important role in the health care team by influencing the team to use the appropriate route of nutrition support for patients with acute pancreatitis.

Keywords: acute pancreatitis, enternal nutrition, Total parenteral Nutrition