

題目:Symptomatic hypoglycemia in 4 nondiabetic patients on chronic hemodialysis

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Abstrat: We have observed severe symptomatic hypoglycemia in 4 nondiabetic patients on chronic maintenance hemodialysis.The common factors in all 4 patients were severe infection(two with vascular access related infection,two with uniary tract infection).This observation suggests that sepsis may cause profound hypoglycemia in dialyzed patients with other predisposing factors such as poor nutrition,liver dysfunction,or heart failure.

Method: From June,2011 to August,2012 4 cases of nondiabetic patients on chronic dialysis presented with symptomatic hypoglycemia were enrllled.Hyglycemia defined as serum glucose less than 70mg/dl.Clinical parameters ansd patient outcomes were recorded.

Result: The 4 patients studied were predominantly elderly,malnourished,with a history of severe illness.The mortality was high(3/4).These patients had significant lower level of serum albumin,longer hospital stay.

Conclusion: Most uremic patients are insulin-resistnat with associated glucose intolerance.Hypoglycemia occur in some patient undergoing hemodialysis.Both impaired insulin degradation and reduced renal gluconeogenesis in uremic patients increased the risk of hypoglycemia.Sepsis,congestive heart failure,liver disease,malnutrition may trigger the occurrence of hypoglycemia.

Key words: Hypoglycemiua, Hemodialysis