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The assessment of serum concentration of adiponectin, leptin and CA-19.9 in patients with pancreatic cancer and chronic pancreatitis**Daria Dranka-Bojarowska**

Dow University of Health Sciences, Pakistan

The aim of this study was a comparative analysis of the concentrations in serum of adipocytokines: adiponectin and leptin and CA 19-9 in patients with pancreatic cancer (PC), chronic pancreatitis (CP) and control group (CG). The study was performed in a group of 90 patients. The serum samples were taken from patients and the concentration of adiponectin, leptin, CA 19-9 and CEA were evaluated. The revealed concentrations levels of the adiponectin were significantly higher in the PC serum samples compared to the CP and CG. There was no significant correlation between increased adiponectin concentration and body fat mass in the PC group. The concentration of leptin was significantly lower in CP serum samples compared to PC and CG. The concentration of leptin was similar in the PC and CG. The concentration of leptin was mainly dependent on body fat mass and fat distribution. Additionally, measurement of waist circumference and body composition was recorded using bioelectrical impedance analysis. Significantly, higher concentration levels of adiponectin in the PC group was observed, independent of body fat mass which may play a potential role as a new tumor marker in PC and might be useful in the differential diagnosis between PC and CP. We also performed further investigation to validate this statement. To our knowledge, this was the first study evaluating not only BMI but also the content and distribution of body fat in patients with PC and CP.

Biography

Daria Dranka-Bojarowska has graduated from Silesian University School of Medicine in 2000. She is an Assistant Professor in the Department of Gastrointestinal Surgery, Medical University of Silesia. She has completed her PhD in 2014 from Silesian University School of Medicine. She is author of more than 20 medical articles and conference abstracts. She has published 7 papers in reputed journals.

ddranka@poczta.onet.pl

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