Pathophysiological and Clinical Significances of Specific Proteins which Are Related to Pancreatitis

メタデータ	言語: jpn 出版者: 公開日: 2022-06-09 キーワード (Ja): キーワード (En): 作成者: Sawabu, Norio メールアドレス: 所属:
URL	https://doi.org/10.24517/00066286

This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 International License.

1996 Fiscal Year Final Research Report Summary

Pathophysiological and Clinical Significances of Specific Proteins which Are Related to Pancreatitis

Research Project

Project/Area Number

07670578

Research Category

Grant-in-Aid for Scientific Research (C)

Allocation Type

Single-year Grants

Section

一般

Research Field

Gastroenterology

Research Institution

Kanazawa University

Principal Investigator

SAWABU Norio Cancer Research Institute Kanazawa University, Professor of Internal Medicine, がん研究所, 教授 (90019969)

Project Period (FY)

1995 – 1996

Keywords

pancreatitis-associated protein (PAP) / pancreatic stone protein (PSP) / reg-protein / acute pancreatitis / pancreatic cancer / chronic pancreatitis / digestive cancer / spontaneous occurring chronic pancreatitis of rat

Research Abstract

We developed an enzyme-immunoassay using monoclonal antibody specific for pancreatic stone protein/reg-protein (PSP/reg), and determined levels of this protein in sera to elucidate the clinical significances of PSP/reg. Frequencies of elevated levels of serum PSP/reg were 100% in acute

pancreatitis (AP) and 59% in chronic relapsing pancreatitis (CRP), and were significantly higher in active pancreatic injury such as AP or CRP than those in chronic pancreatitis (CP). Elevated serum levels of this protein after attack of pancreatitis of ERCP tended to be more prolonged than those of amylase. Furthermore, the serum PSP/reg levels were also significantly increased in various cancers of the digestive system (54% in pancreatic cancer (PC), 33% in gastric cancer, 38% in hepatocellular carcinoma and 50% in biliary cancer), and decreased into the normal range after tumor resection in all cases with cancers. The immunohistochemical study demonstrated increased amounts of PSP/reg in pancreatic ti ⋯▾ More

Research Products (14 results)

All | Other

All | Publications (14 results)

[Publications] Satomura Y, et al.: "Measurement of serum PSP reg-protein concentration in various diseasa with a newly developed enzymed-linked immunosorbent assay" J. Gastroenterol. 30. 643-650 (1995)

[Publications] Itoh T, et al: "The human pancreatitis-associated (PAP) encoding gene generates multiple transcripts through alterative use of 5' exons" Gene. 155. 283-287 (1995)

[Publications] Watanabe H, et al: "Detection K-ras point mutations at codon 12 in pure pancreatic juice for the diagnosis of pancreatic cancer by analysis of PCR-RFLP method" Pancreas. 12. 18-24 (1996)

[Publications] Watanabe H, et al: "Detection K-ras point mutations at codon 12 in pancreatic juice for the diagnosis of pancreatic cancer by hybridization protection assay (HPA)" Jpn. J. Cancer Res. 87. 466-474 (1996)

[Publications] 澤武紀雄, ほか: "新しい膵関連蛋白と遺伝子研究の進歩:reg遺伝ファミリー" 臨床消化器内科. 70. 913-920 (1995)

[Publications] Motoo Y, et al: "Expression of pancreatitis-associated protein (PAP) mRNA in gastrointestinal cancer" Pancreas. (in press).

[Publications] Y.Satomura, et al: "Measurement of serum PSP/reg-protein concentration using newly developed enzyme-linked immunosorbent assay" J Gastroenterol. 30. 643-650 (1995)

[Publications] T.Itho, et al: "The human-pancreatitis-associated protein (PAP) -encoding gene generates multiple transcripts through alternative use of 5'exons" Gene. 155. 283-287 (1995)

[Publications] H.Watanabe, et al: "Detection of K-ras point mutations at codon 12 in pure pancreatic juice for the diagnosis of pancreatic cancer by analysis of PCR-RFLP method" Pancreas. 12. 19-24 (1996)

[Publications] H.Watanabe, et al: "Detection of K-ras point mutations at codon 12 in pancreatic juice for the diagnosis of pancreatic cancer by hybridization protection assay (HPA) : a simple method for the determination of the types of point mutations" Jpn J Cancer Res. 87. 466-474 (1996)

[Publications] N.Sawabu, et al: "Clinical evaluation of cases with small pancreatic cancer and approaches to its early diagnosis" Recent Advances in Gastroenterological Carcinogenesis I.E,Tahara et (Ed.), Monduzzi Editore Bologna. 839-843 (1996)

[Publications] T.Wakabayashi, et al: "Detection of K-ras point mutation at codon 12 in pure pancreatic juice collected 3 years and 6 months before the clinical diagnosis of pancreatic cancer" Am.J.Gastroentesol. 91. 1848-1851 (1996)

[Publications] Y.Motoo, et al: "Sclerosing pancreatitis showing rapidly progresise changes with recurrent mass formation" Int.J.Pancreatol. (in press).

[Publications] Y.Motoo, et al: "Expression of pancreatitis-associated protein (PAP) mRNA in gastrointestinal cancers" Pancreas. (in press).

URL: https://kaken.nii.ac.jp/report/KAKENHI-PROJECT-07670578/076705781996kenkyu_seika_hokoku_

Published: 1999-03-08