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Retrospective Cohort Study

Risk factors and prediction score for chronic pancreatitis: A nationwide population-based cohort study

Lin YC *et al.* Prediction score for chronic pancreatitis

Yen-Chih Lin, Chew-Teng Kor, Wei-Wen Su, Yu-Chun Hsu

Abstract

AIM

To explore the risk factors of developing chronic pancreatitis (CP) in patients with acute pancreatitis (AP) and develop a prediction score for CP.

METHODS

Using the National Health Insurance Research Database in Taiwan, we obtained large, population-based data of 5971 eligible patients diagnosed with AP from 2000 to 2013. After excluding patients with obstructive pancreatitis and biliary pancreatitis and those with a follow-up period of less than 1 year, we conducted a multivariate analysis using the data of 3739 patients to identify the risk factors of CP and subsequently develop a scoring system that could predict the development of CP in patients with AP. In addition, we validated the scoring system using a validation cohort.

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