



Conference Abstract

3rd The Holy Quran & Science Conference and Exhibition - 2016

1194 Matheson Blvd E Mississauga, ON L4W 1Y2 Canada



Conference Abstract

PREVENT PANCREATIC INFLAMMATION DUE TO AN ENDOSCOPIC PROCEDURE

Sohail Zakiuddin Husain, MD

Subtitle: Prevent Pancreatic Inflammation /dur to an Endoscopic Procedure

Speakers Profile

Dr. Husain is an Associate Professor of Pediatric Gastroenterology at the University of Pittsburgh. His research focuses treating pancreatitis, which is a painful, inflammatory pancreatic disease. Dr. Husain has published over 55 scientific papers and holds two large independent research grants from the NIH. He also serves as a standing NIH study section member, Chair of a major GI abstract committee, Vice-Chair of the Pancreas Committee of the North American Pediatric GI Society, and Co-Director of the Pittsburgh Pediatric Pancreatic Program. On a Jamaat level, Dr. Husain serves as President of the USA Ahmadiyya Muslim Scientists.

Abstract

A novel strategy to prevent pancreatic inflammation due to an endoscopic procedure called an ERCP. There is a pressing need to develop effective preventative therapies for post-ERCP pancreatitis (PEP). We recently published that early PEP events are induced through the activation of a calcium-activated phosphatase called calcineurin and that global deletion of calcineurin abolishes PEP in a mouse model. A crucial question is whether calcineurin within the pancreas itself controls the initiation of PEP. We now show, using two complementary genetic approaches, that PEP is dependent on calcineurin produced by the main cells of the pancreas called acinar cells and that calcineurin inhibitor medications, infused within the radiocontrast given during ERCP, can largely prevent PEP. These results provide impetus for launching clinical trials to test the efficacy of this novel delivery of calcineurin inhibitors to prevent PEP.

Corresponding author:
Dr. Sohail Zakiuddin Husain
MD, Associate Professor of
Pediatric Gastroenterology at the
University of Pittsburgh

Citation:
Sohail Zakiuddin Husain.
Prevent pancreatic inflammation
due to an endoscopic
procedure.Oral Presentation at 4th
The Holy Quran & Science
Conference & Exhibition; 2016
November 25.1194 Matheson
Blvd E Mississauga, on LAW 1Y2
Canada.

Funding:
The authors received no direct
funding for this research.

Competing Interests:
The authors declare no
competing interests

Additional information is available
at the end of the article.



© 2018 The Author(s). This open access article is distributed under a Creative Commons Attribution (CC-BY) 4.0 license.

The abstracts appearing is composed and presented in aforesaid conference cited on the cover and title page. The manuscripts were selected by the organizing committee to be presented in oral or poster format, and were subject to reviewed by the program committee.