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Total Pancreatectomy is the Best Option for Early Pancreatic Cancer Epistemological Foundations

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Introduction: At present there is a renewed interest in total pancreatectomy (TP) in some pancreatic neoplasms but its application in pancreatic ductal adenocarcinoma (PD) continues to be discussed and debated.

Epistemological foundations: The indications for TP in early PD, rests on four epistemological foundations:

- Empiric data: today survival is better with an acceptable quality of life (HPB 2016, 18:21; and others)
- Cancer is a systemic disease
- PD develops early liver micrometastases (Cell 2012, 148:349)
- Pancreas is an important source of growth factor for the liver

Hypothesis:

1. The poor long-term survival and the recurrence after parcial pancreatectomy are influenced by trophic factors released from the normal residual pancreas.
2. TP eliminates these trophic factors; the growth of the micrometastases is slowed, with low relapse rates and better survival.

Aims:

1. Review of pancreatic trophic factors and literature review of TP
2. To propose a prospective multicentric study pilot about TP in early PD

Methods: Determination of pancreatic trophic factors in portal vein and arterial circulation during pancreatic surgery, before and after resection.

Results and Conclusions: Description and discussion of the preliminary results.

Biography:

Dr. Luis Barneo Serra is a Professor of General Surgery at the University of Oviedo, Spain and Hospital Universitario Central de Asturias, Oviedo, Spain. He got his MD at University of Barcelona in 1972 and his PhD in Medicine at University of Oviedo in 1986. He has Master's Degree in "Surgical Research Laboratories" by the University of Minnesota, in 1987, University Expert in Colorectal Surgery by Public University of Pamplona in 2001, Barneo developed his foreign training in the Department of Surgery, University of Minnesota, in experimental and clinical transplantation, in 1984 and 1987. Currently, Dr. Barneo's researches focus on pancreatic cancer, the stroma of cancer, animal models of human cancer and experimental islet transplantation.