

TOPIC PNRR7

Project title	Artificial Intelligence for GI-cancer risk stratification
Curriculum (standard or clinical)	Standard
Principal Investigator	Prof. Alessandro Zerbi
Lab name	U.O. Chirurgia Pancreatica
Main field of interest	Pancreatic cancer
Abstract	Artificial Intelligence (AI) has been applied to diagnosis and prognosis of GI-cancer in several fields. AI applied to imaging of pancreatic cancer has been shown to predict the risk of surgery-related adverse events and prognostic outcome. In addition, AI can be applied to endoscopic ultrasound for detection and characterization of pancreatic lesion.
Brief description of the coherence of the Project in relation to the PNRR objectives	AI applied to imaging for risk-stratification is indicated as a main end-point of the project
PNRR project title	<i>Multilayered Urban Sustainability Action</i>
CUP	B43D21011030006
Scientific references	<p>Toward an Optimized Staging System for Pancreatic Ductal Adenocarcinoma: A Clinically Interpretable, Artificial Intelligence-Based Model (PMID 34936469)</p> <p>A machine learning risk model based on preoperative computed tomography scan to predict postoperative outcomes after pancreatoduodenectomy (PMID 34596836)</p>

Required skills to carry out this project	Translational skills in the field of Artificial Intelligence, data mining, pancreatic surgery and gastroenterology
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