Title: Pancreatic cancer in young adults - an evolving entity?

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Abstract:

The incidence of early-onset pancreatic cancer (EOPC) among young population (<50 years) is rising in the last decade, with gender, medical overtreatment, and genetic factors as the risk factors in EOPC. Nevertheless, the role of genetic factors in the development of EOPC needs further exploration since the studies were carried out with small sample size and ambiguous evidence. Notable, the high incidence of pathogenic germline variant (PGV) appears to be involved in EOPC. Compared with average-age-onset pancreatic cancer (AOPC), EOPC patients display a distinctive genomic feature on several well-known tumor suppressor and oncogenic genes including, including SMAD4, RAS wild wild-type, CDKN2A BRCA1, BRCA2 and FOXC2, which is different from the findings of studies with AOPC and LOPC, suggesting the dynamic evolving entity of EOPC. In addition, the potential gender-related incidence found in several countries also suggests the involvement of genetic or socioenvironmental factors in the development of AOPC. Therefore, further prospective epidemiological and molecular studies are warranted to elucidate the shifting epidemiology of this disease and, most importantly, to better exploit the opportunities for the early diagnosis of the disease.

Biography:

Yifan Li is a Clinical Surgeon at Shanxi Medical University in Shanxi Cancer Hospital, Shanxi, China. With expertise in gastrointestinal cancer, they have contributed significantly to prognosis of gastrointestinal cancer. Their research interests include Clinical models, machine learning and Quality of life.

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