

## AI in pancreatic surgery

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Presentation

Hepatobiliary

Radiology & Imaging

Surgery

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**The speaker presented the Argos project, a multi-institutional European effort to combine radiomics, genomics, and proteomics for pancreatic cancer prediction, emphasizing that legal and regulatory barriers rather than computational limitations are the primary obstacles to multi-omic integration.**

### KEY POINTS

- The Argos project aims to integrate radiomics, genomics, and proteomics data from centers across Italy, Brussels, Germany, and Serbia, with future plans to incorporate surgical video analysis for intraoperative decision support
- According to work from Madrid cited by the speaker, proteomics may be the most powerful predictive omic for pancreatic adenocarcinoma
- The speaker reported that whole genomic sequencing now costs approximately \$1,000 per patient, down from \$60 million for the original genome project, making it potentially affordable for broader clinical application
- Database building and data collection are the limiting factors in AI-powered analysis, not the computational analysis itself, which the speaker described as the easier component
- Legal and regulatory hurdles in the European Union are hindering innovation compared to regions without these restrictions, with the speaker stating that investors are directing funds to countries outside the EU due to regulatory delays
- The speaker advocated for AI-powered tumor boards to function as advisors alongside clinicians, with the black box phenomenon ensuring humans remain in the decision-making loop

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