Early Detection of Pancreatic Cancer

A 2-protein panel blood test for early detection of pancreatic ductal adenocarcinoma.

Inventor: Kenneth Zaret

Problem

Pancreatic cancer is the third leading cause of cancer related death in the US and is predicted to become the second leading cause of cancer mortality by 2020.

Most pancreatic ductal adenocarcinoma (PDAC) are asymptomatic until it’s too late, contributing to an overall 5-year survival rate of 7%.

<table>
<thead>
<tr>
<th>Common Types of Cancer Estimated</th>
<th>New Cases 2017</th>
<th>Estimated Deaths 2017</th>
<th>Ratio of Estimated Deaths to New Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Breast Cancer (Female)</td>
<td>252,710</td>
<td>40,610</td>
<td>~1:6</td>
</tr>
</tbody>
</table>

Solution

Dr. K Zaret has developed a 2-protein panel blood test for early detection of pancreatic ductal adenocarcinoma.

Advantages

- Assay done via ELISA
- No biopsy needed
- Early detection of pancreatic cancer