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# ENDOENTERIC BALLOON FOR EARLY-STAGE PANCREATIC CANCER DIAGNOSIS

## IMAGING

Balloon with copper coils that enhances MRI diagnosis of pancreatic cancer.

### TECHNOLOGY TYPE

MRI  
Oncology  
Surgery

### STAGE OF DEVELOPMENT

Prototypes developed.

### IP PROTECTION

**Nationalized PCT Pending in  
the United States and Europe**

Endoenteric Balloon Coil  
*US20180321338A1*

### LEARN MORE

Reference Number: U-5860

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### TECHNOLOGY SUMMARY

The success rate for the treatment of pancreatic cancer is highly dependent on early detection. However, there is currently no reliable, cost-effective way to detect pancreatic cancer at an early stage, as MRIs only produce low-resolution images that enable detection of advanced-stage cancer alone.

This invention is a catheter-mounted balloon with copper coils etched or printed on the balloon. The patient swallows the balloon into the stomach, or the balloon is placed in the GI tract by other means. Once placed, the copper coils improve the resolution of the MRI images, enabling clinicians to detect minor changes in the structure of the pancreas that may indicate the presence of cancer.

### FEATURES AND BENEFITS

- Enables earlier detection of pancreatic cancer.
- Enhances MRI image resolution, enabling better study of pancreas and tumor anatomy.
- Minimally invasive.
- Improves therapeutic decision-making and monitoring.

### INVENTOR PROFILE

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