

Evaluation of Suspected Pancreatic Cancer

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Evaluation of Suspected Pancreatic Cancer



Timothy B. Gardner, MD MS

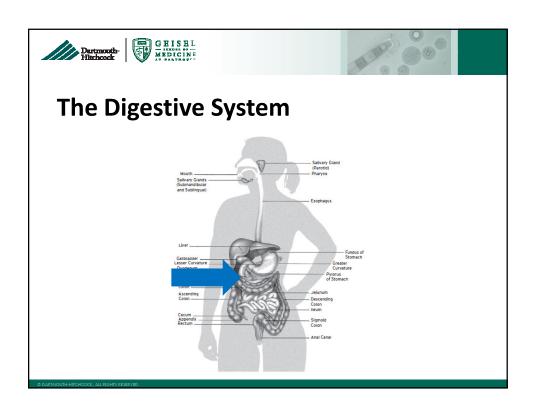
Associate Professor of Medicine

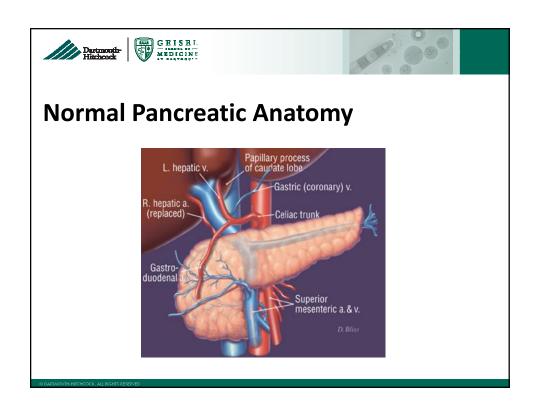
Dartmouth Medical School

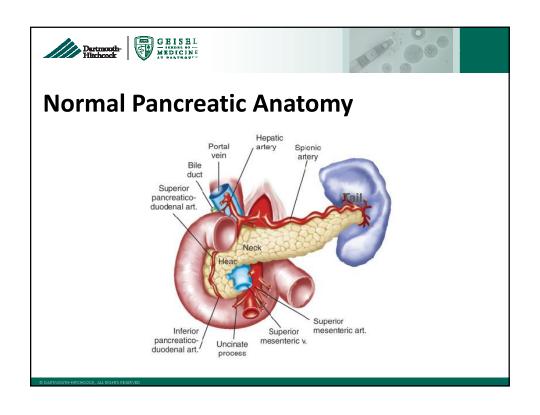
Section of Gastroenterology and Hepatology

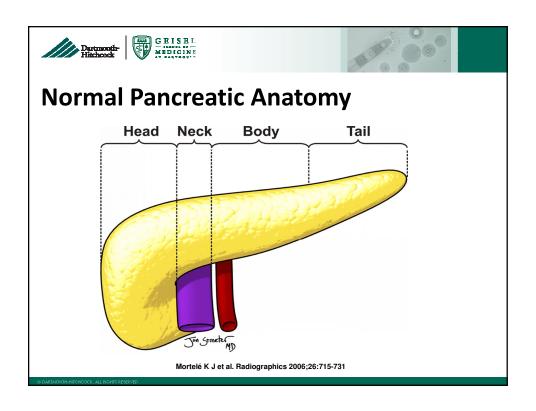
Dartmouth-Hitchcock Medical Center

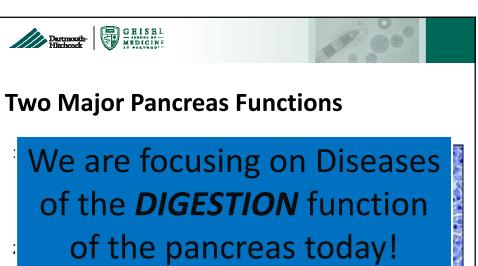
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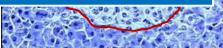








fatty foods and proteins in the intestine







What is Cancer?

- · An abnormal growth of tissue
- · Can occur anywhere in any tissue
- Characterized by abnormal RATE and PATTERN of growth
- Immune to body's own checks and balances





Causes of Cancer

ACQUIRED:

- Infectious
- Industrial/Environmental (radiation, chemicals)
- Vices (tobacco, alcohol, diet)

INHERITED:

- · Familial predisposition
- · Inherited cancer syndromes





Pancreatic Cancer

ADENOCARCINOMA

- Most common
- · Grows out of duct cells

NEUROENDOCRINE

- Much less common
- · Derived from endocrine cells
- Slower growing, better prognosis



Adenocarcinoma

- "Pancreatic Cancer"
- ~50,000 patients in USA per year
- 10th in incidence/4th in death rates





Risk Factors

- · Cigarette Smoking
- Age > 50 years
- Pancreatitis
- 5 10% of pancreas cancer inherited
- No "pancreas cancer gene" yet identified





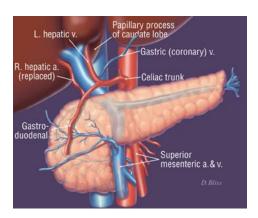
Pancreatic Adenocarcinoma

- Early spread through blood stream and lymph nodes
- Most patients have metastatic disease when diagnosed
- Disease confined to pancreas in <20% of patients

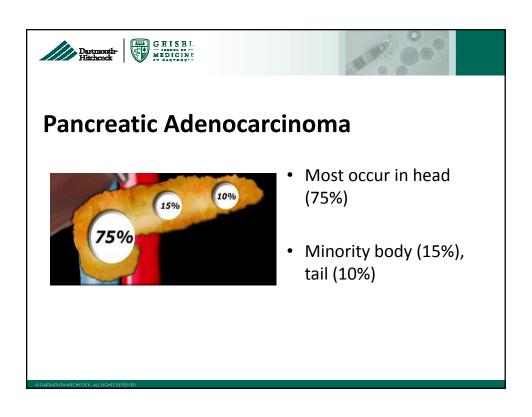


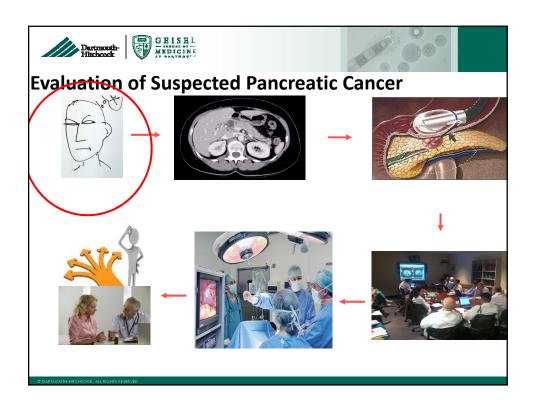


Normal Anatomy







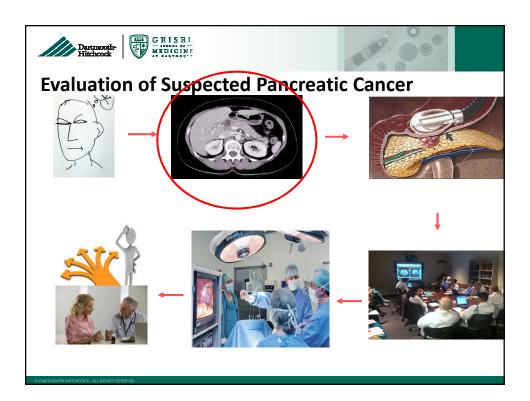


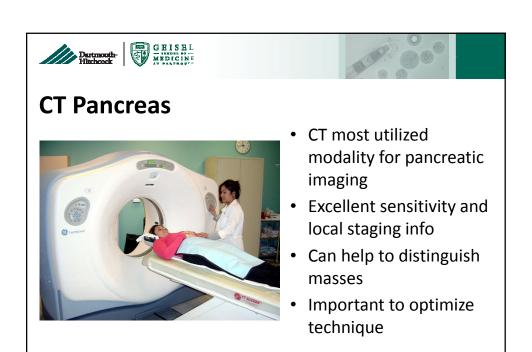


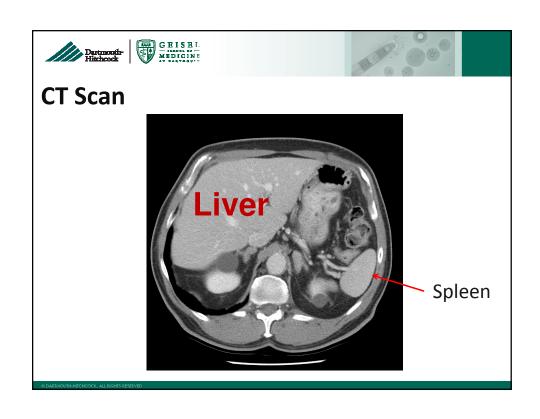


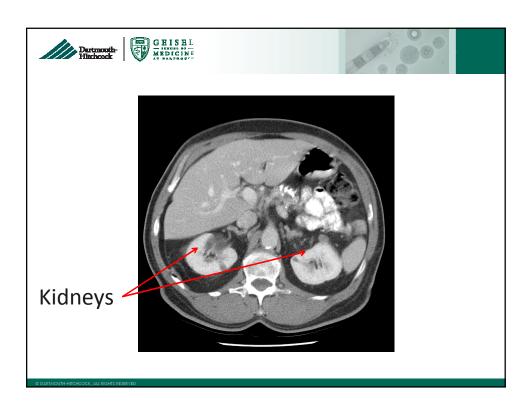
Diabetes and Pancreatic Cancer

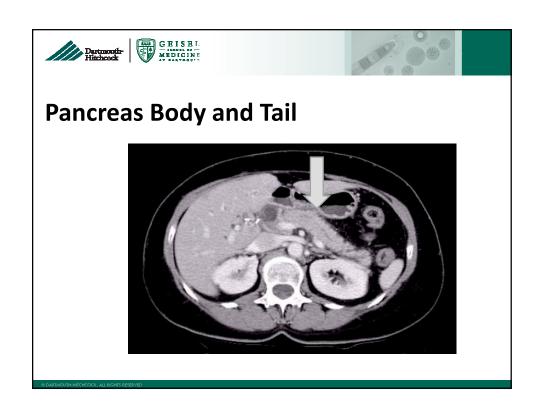
- Up to 60% of patients develop diabetes in the months prior to diagnosis
- Those with diabetes often develop difficult to control blood sugar
- We believe there is a chemical made by the tumor that causes the pancreas not to make insulin effectively

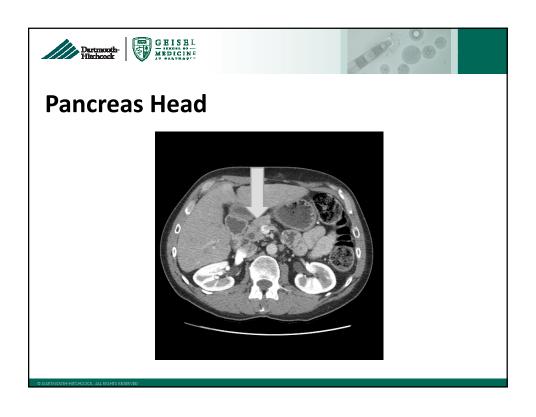


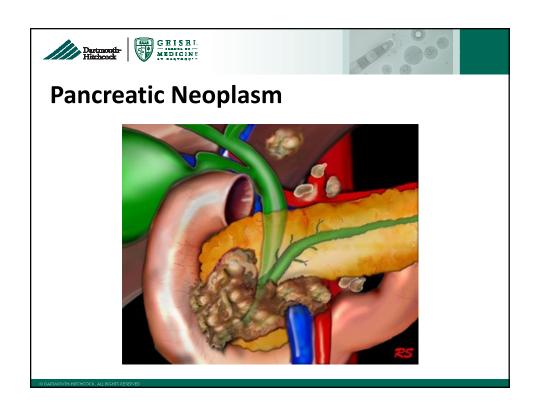


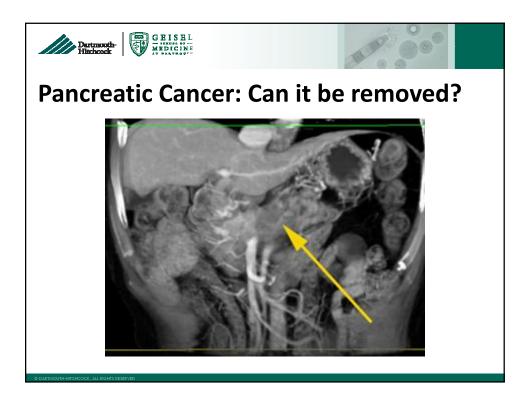












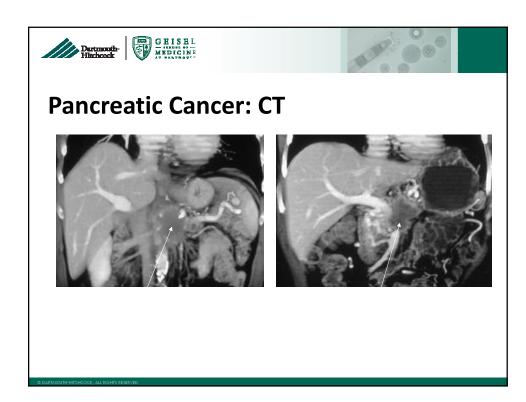


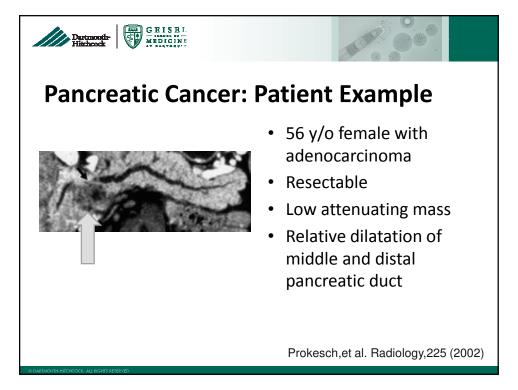


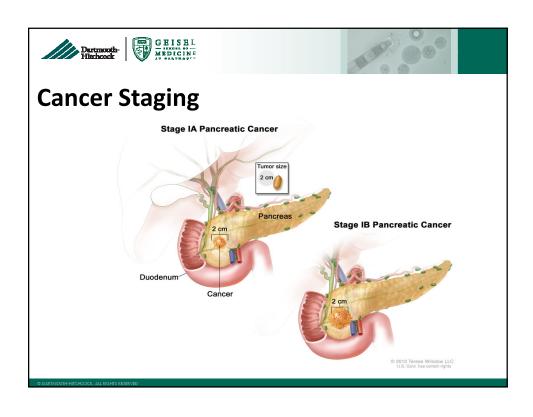
Technically Resectable PC

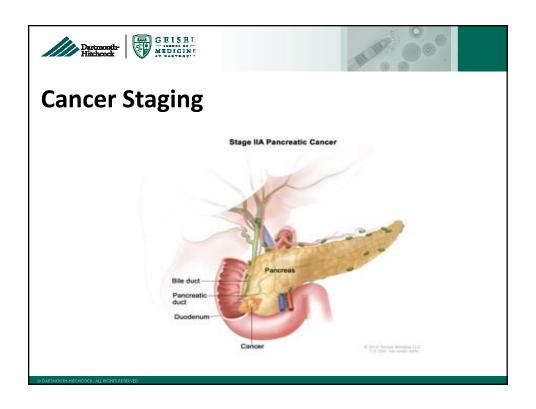
- 1. Tissue plane between tumor and **SMA**
- 2. Patent SMV-PV confluence
- 3. Absence of extrapancreatic disease

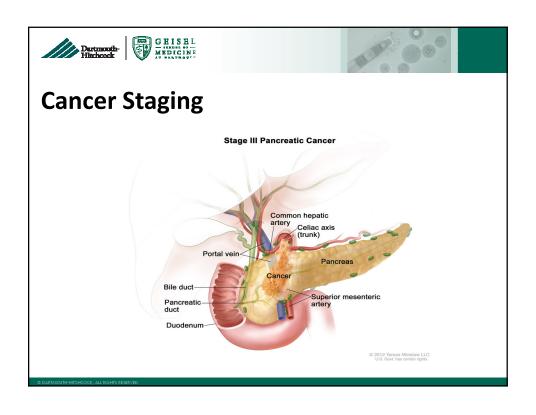


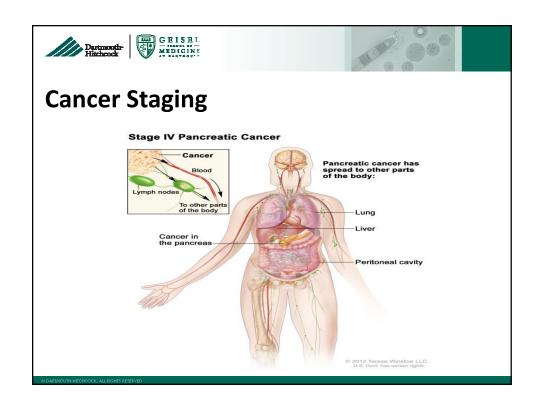


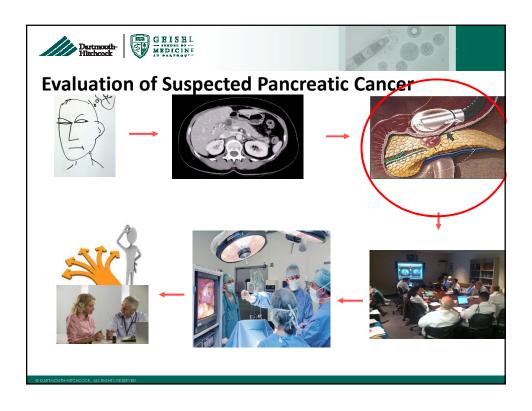


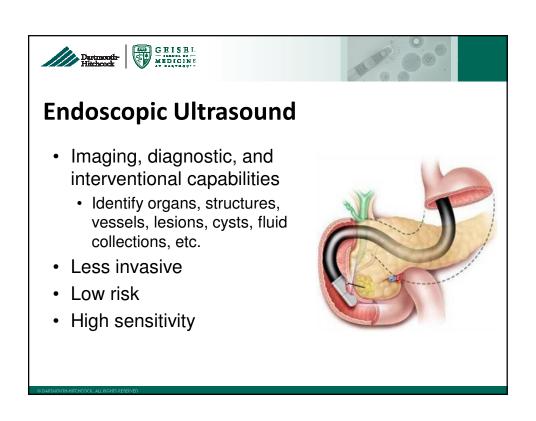


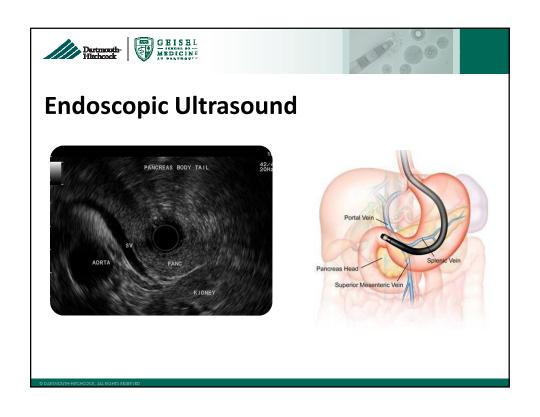


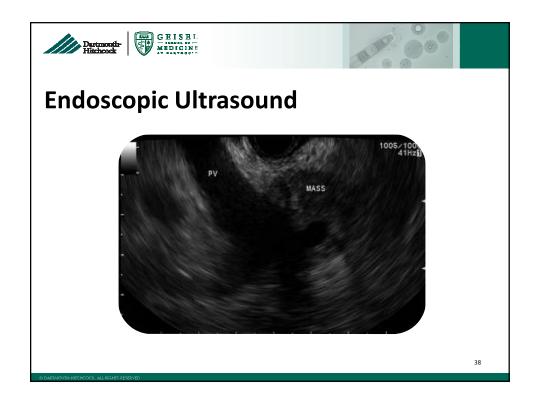


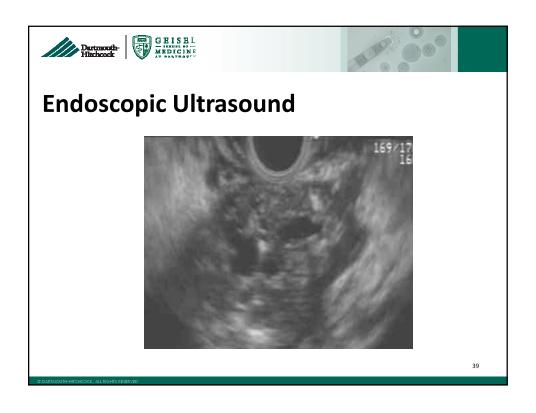


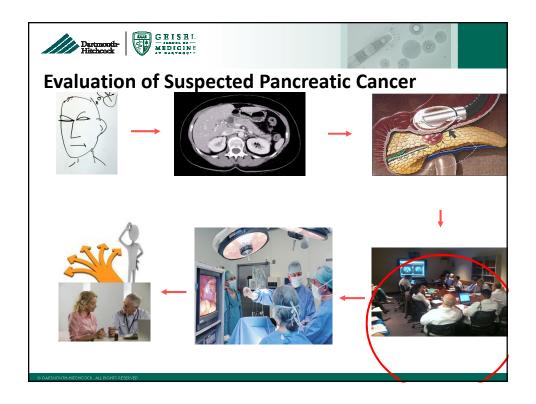














Treatment

- Treatment and outcome depend upon stage at diagnosis
- Early stage pancreatic cancer can be CURED
- Advanced disease cannot...yet...
- · Only research can cure cancer
- IDEAS...FUNDING...TRIAL PARTICIPATION





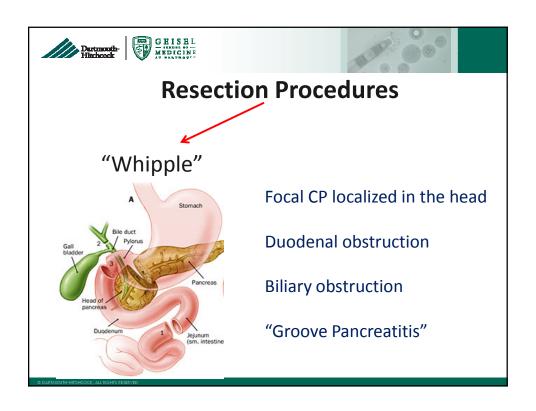
Pancreatic Cancer Treatment

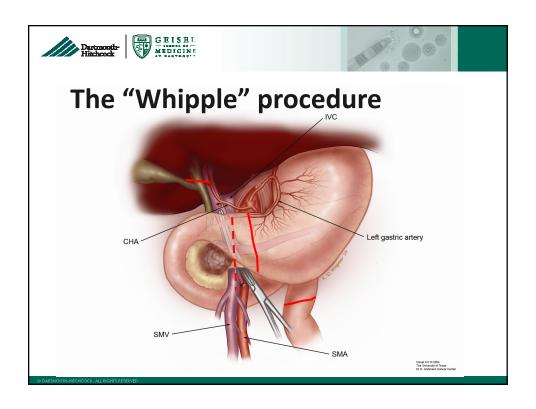
Surgical Resection

Radiotherapy

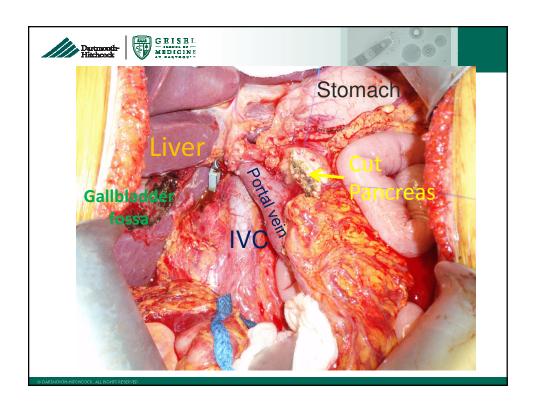
Chemotherapy

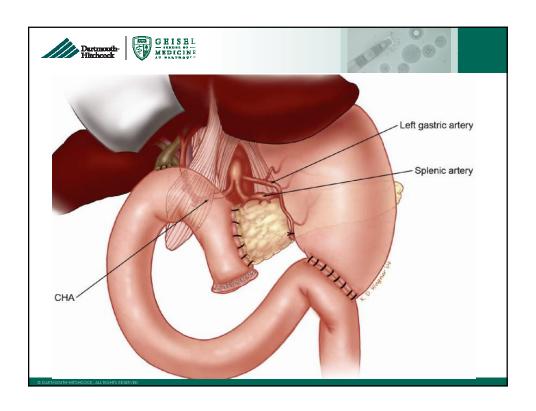
Combination Therapy

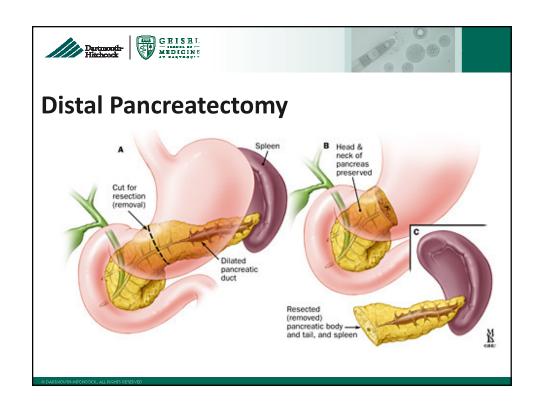


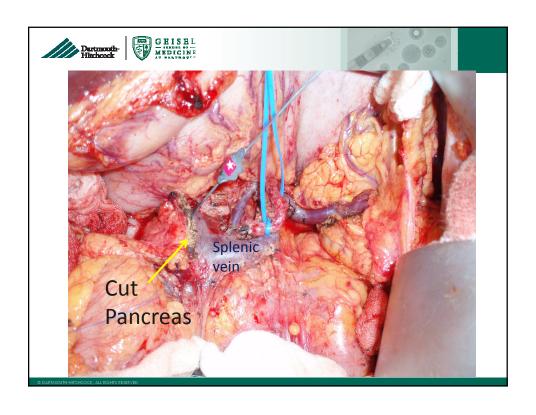


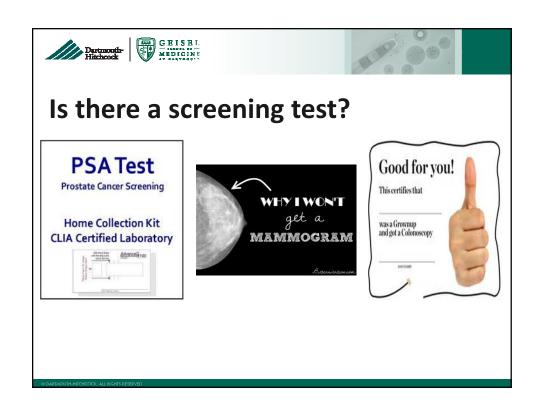
















Is there a screening test?

CA 19-9

- Blood test
- Not elevated in all cancers
- Good way to track cancer after diagnosis







Mesothelin

- Dipstick test
- Potential early screening test
- Not validated





Is there a screening test?

In 2015, there is no accepted diagnostic screening test for pancreatic cancer that is inexpensive and able to detect early cancer

But we are certainly trying...





Thank you for your participation.

If you have questions, please contact Patient Central at (877) 272-6226 or e-mail patientcentral@pancan.org.

www.pancan.org or wagehope.org

