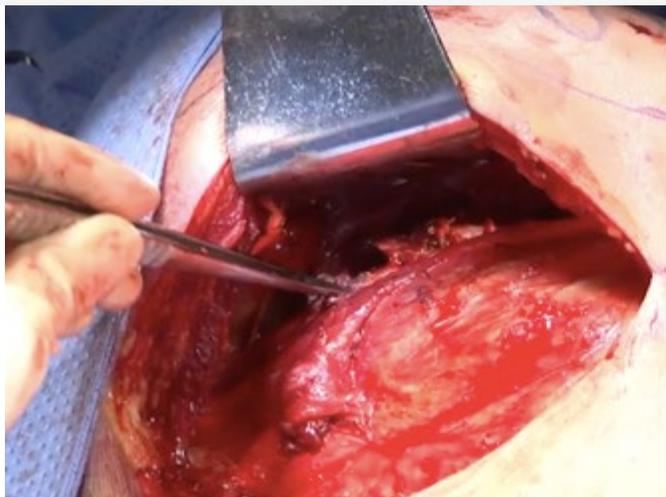


# CANCER

## PHYSICIAN UPDATE E-EDITION



February 2020



Minimally invasive approach to Pancoast tumor using 3D printing



## Patient Care

### [Clinical trial evaluates tool to lessen morbidity after sarcoma surgery](#)

Wound-healing complications are common after surgical resection for soft tissue sarcoma. Intraoperative fluorescence angiography assesses blood flow and tissue perfusion, allowing for the surgical removal of nonviable tissue.

### [PRRT proves effective in the treatment of neuroendocrine tumors](#)

Specialists employ lutetium Lu 177 dotatate, a peptide receptor radionuclide therapy also called PRRT, to treat neuroendocrine tumors. Dotatate binds to cancer cell receptors and lutetium radiates the cells, killing them.



## Research

### [EUS-FNA testing shows promise for diagnosis and staging of pancreatic lesions](#)

In a retrospective review, researchers demonstrated that cytology analysis of pancreatic samples collected by endoscopic ultrasound fine-needle aspiration (EUS-FNA) can detect extravascular migratory metastases often missed by cross-sectional imaging.

### [Early-onset stomach cancer differs clinically, genetically from stomach cancer in older adults](#)

Stomach cancer that develops in people younger than 60 years often grows and spreads more quickly, has a worse prognosis, and is more

resistant to traditional chemotherapy treatments.

### [Methylated DNA markers in pancreatic cyst fluid accurately detect advanced precancerous lesions and cancer in pancreatic cysts](#)

Researchers identified and validated a panel of DNA methylation markers that can detect advanced neoplasia and help determine which cysts require surgery.

### [Molecular features of lung adenocarcinoma help researchers identify pathways to cancer development](#)

Researchers can now distinguish between two pathways where lung adenocarcinoma can develop, increasing their ability to predict which patients are likely to benefit from a particular treatment.

### [Cumulative recurrence rates of intestinal metaplasia and dysplasia after complete remission appear to increase with follow-up time](#)

Researchers assessed the timeline, location and patterns of recurrence in patients who achieved remission after radiofrequency ablation in a multicenter cohort study.

### [Increasing PD-L1 expression in tumor cells may improve treatment outcomes for patients with colorectal cancer](#)

Research supports that colorectal cancer outcomes may improve when immune-regulatory protein in cancer cells is genetically altered to make the cells more vulnerable to chemotherapy.

[See all Cancer Clinical Trials at Mayo Clinic](#)



## Education

### [Mayo Clinic Thoracic Oncology 2020](#)

April 16-18, 2020, in Scottsdale, Ariz.

Topics include updates in chest cancer diagnosis and systemic and local treatments and outcomes, including targeted therapy and immunotherapies.

### [30th Annual Mayo Clinic Hematology/Oncology Reviews 2020](#)

July 30-Aug. 1, 2020, in Fernandina Beach, Fla.

This comprehensive review focuses on new clinical and research advancements and developments over the preceding year to provide up-to-date, practical information with immediate clinical application.

### [Mayo Clinic Oncology Review 2020](#)

July 18, 2020, in Bloomington, Minn.

This program provides an overview of the most recent advances in the treatment of various oncologic malignancies, based on abstracts presented at the June 2020 annual meeting of the American Society of Clinical Oncology.

[See all Hematology and Oncology Continuous Professional Development courses](#)



## In the Video Center

### [Robotic bronchoscopy](#)

Pulmonologist Karen L. Swanson, D.O., shares the benefits of robotic bronchoscopy and looks ahead to what implementation of this technology

means for patients with lung cancer.

[View Cancer specialty and Grand Rounds presentations](#)

## Consults and Referrals

[Phoenix/Scottsdale, Arizona](#)  
877-673-2739 (toll-free)

[Jacksonville, Florida](#)  
855-375-9686 (toll-free)

[Rochester, Minnesota](#)  
855-995-1503 (toll-free)

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