

New Procedure Saves Lives through Early Pancreatic Cancer Detection

'Virtual biopsy' allows doctors to diagnose precancerous cysts with unprecedented accuracy

The Ohio State University Wexner Medical Center

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NEWS PACKAGE



SUGGESTED TEASE	PANCREATIC CANCER IS ONE OF THE MOST DEADLY FORMS OF CANCER, LARGELY BECAUSE OF LATE DIAGNOSIS. BUT A NEW HIGH-TECH PROCEDURE CAN HELP IDENTIFY AND ELIMINATE PANCREATIC CANCER BEFORE IT EVEN DEVELOPS. DETAILS, COMING UP.
ANCHOR LEAD	THANKS TO AMAZING MEDICAL ADVANCEMENTS OVER THE PAST TWO DECADES, MORE PEOPLE THAN EVER ARE SURVIVING CANCER. BUT FOR THOSE WITH PANCREATIC CANCER, THE PROGNOSIS REMAINS BLEAK, WITH A FIVE-YEAR SURVIVAL RATE OF JUST NINE PERCENT ¹ . NOW A NEW PROCEDURE IS HELPING DOCTORS IDENTIFY PANCREATIC CANCER AND ELIMINATE IT BEFORE IT IS LIFE-THREATENING.
(PACKAGE START) -----	
CG: Courtesy: The Ohio State University Wexner Medical Center :00 - :03 Shots of Patty in exam with Dr. Krishna	(Nats - Sound) :02
CG: Patricia Beatty Diagnosed with precancerous cyst Shots of Patty in exam with Dr. Krishna	WHEN PATRICIA BEATTY WAS ADMITTED TO THE HOSPITAL WITH A STOMACH VIRUS, SHE DIDN'T EXPECT THEY'D FIND A PROBLEM IN HER PANCREAS. :05 <i>"He told me that the cyst was there and that it was precancerous."</i> :07
CG: Dr. Somashekar Krishna Ohio State Wexner Medical Center Shots of doctors collecting cyst fluid and looking in microscope	PATTY WAS LUCKY. PANCREATIC CANCER IS NOT USUALLY CAUGHT SO EARLY. :04 <i>"The cancer doesn't produce any symptoms early on."</i> :03 AND WHILE PANCREATIC CYSTS ARE COMMON, IT'S DIFFICULT TO DETERMINE WHICH WILL BECOME CANCER. DOCTORS CURRENTLY RELY ON TESTING FLUID FROM INSIDE THE CYST. :08

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<p>Dr. Krishna (CG'd earlier)</p> <p>Shots of Dr. Krishna performing endomicroscopy</p> <p>Shot of microscopic view produced by scope</p> <p>Shot of Dr. Krishna looking at screen</p>	<p><i>“The accuracy of that was poor. In a sense that about 30 to 35% of patients would remain undiagnosed.” :07</i></p> <p>SO DOCTOR SOMASHEKAR KRISHNA (SO-mah-shay-kur KRISH-nuh), A GASTROENTEROLOGIST AT THE OHIO STATE UNIVERSITY WEXNER MEDICAL CENTER, LED A STUDY² EXAMINING A NEW DIAGNOSTIC METHOD THAT ALLOWS DOCTORS TO DO A SORT OF VIRTUAL BIOPSY, GIVING THEM A MICROSCOPIC VIEW OF THE CYST WALL TO MAKE A DIAGNOSIS WITH COMPLETE CONFIDENCE. :17</p> <p><i>“We can diagnose cysts with the accuracy of 96 to 97%.” :04</i></p>
<p>Dr. Krishna (CG'd earlier)</p> <p>Graphic of scope creating microscopic image</p>	<p>THE PROCEDURE USES A TINY SCOPE THAT EMITS LASER LIGHT TO PRODUCE A CELLULAR IMAGE OF THE INSIDE OF THE CYST. :08</p> <p><i>“Looking at the image pattern which comes from the cyst wall, which comes as a direct video feed in real time, we can conclude what the diagnosis is.” :11</i></p>
<p>Dr. Krishna (CG'd earlier)</p> <p>Shots of Patricia playing card game with grandkids</p>	<p>FOR PATTY, THIS MEANS ELIMINATING THE CYST AND LIVING A CANCER-FREE FUTURE WITH HER FAMILY. :04</p> <p><i>“It just makes me feel really, really good that I’m going to be here.” :05</i></p>
<p>Patty Beatty (CG'd earlier)</p> <p>Shots of Patricia playing card game with grandkids (PACKAGE END) -----</p> <p>ANCHOR TAG</p>	<p>AT THE OHIO STATE WEXNER MEDICAL CENTER, THIS IS BARB CONSIGLIO REPORTING. :03</p> <hr/> <p>RESEARCHERS ARE NOW TRAINING DOCTORS IN HOSPITALS ACROSS THE COUNTRY TO PERFORM THIS NEW PROCEDURE AND TO ANALYZE THE IMAGES IT PRODUCES TO ACCURATELY DIAGNOSE PRECANCEROUS CYSTS.</p> <p>THEY’RE ALSO WORKING TO DEVELOP ARTIFICIAL INTELLIGENCE THAT WILL FLAG CASES THAT ARE LIKELY PRECANCEROUS SO DOCTORS CAN ACT QUICKLY.</p>

SOCIAL MEDIA

<p> Share it! Suggested tweet:</p> <p> Suggested post:</p>	<p>Researchers at @OSUWexMed found a new method of identifying developing pancreatic cancer that provides doctors with a “virtual biopsy” that can identify precancerous cysts with unprecedented accuracy and eliminate the threat of this deadly cancer.</p> <p>http://bit.ly/37BCIIG.</p> <hr/>
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	<p>The 5-year survival rate for pancreatic cancer is just 9%, largely because it is usually not diagnosed until the cancer is advanced. Now, a study by researchers at The Ohio State University Wexner Medical Center finds a new method of detecting precancerous cysts can identify and eliminate the threat of pancreatic cancer before it develops. http://bit.ly/37BCIIG.</p>
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EXTRA BITES

<p>CG: Dr. Somashekar Krishna Ohio State Wexner Medical Center</p>	<p>Krishna says the procedure can save lives with early detection: <i>“We hope that, at the end of the day, we are saving lives either by diagnosing pancreatic cancer early on before it develops into cancer, or we are preventing unnecessary surgery of a benign, harmless pancreatic cyst.” :17</i></p> <p>Krishna says the procedure allows them to deliver a diagnosis immediately: <i>“Many times we have the diagnosis right after the procedure. And we’re able to tell the patient right after the procedure that this is what it is and look, you have a precancerous lesion and we need to send you to the surgeon to have surgery.” :13</i></p> <p>Krishna says correctly diagnosing a cyst can prevent cancer: <i>“If you find a cyst in the pancreas, there is room to intervene to find out what this lesion is and then prevent it from progressing to cancer by doing surgery.” :10</i></p> <hr/> <p>Patricia says she’s lucky the cyst was detected early: <i>“I was very lucky to find it when they did because most people, when they start having the symptoms, it’s too late.” :09</i></p> <p>Patricia says the cyst would have progressed to cancer: <i>“With this testing and everything that they’ve done, they’ve given me my life back because if the testing wasn’t done then I would have gone on my merry way, and the next thing you know, I would have been symptomatic.” :15</i></p> <p>Patricia says the procedure saved her life: <i>“I’m just grateful that they did run the test, and the test is helping me, saving my life.” :07</i></p>
<p>CG: Patricia Beatty Diagnosed with precancerous cyst</p>	

References

<p>¹Survival Rates for Pancreatic Cancer, American Cancer Society, 2019. Online: https://www.cancer.org/cancer/pancreatic-cancer/detection-diagnosis-staging/survival-rates.html</p> <p>²Endoscopic Ultrasound-Guided Confocal Laser Endomicroscopy Increases Accuracy of Differentiation of Pancreatic Cystic Lesions, Clinical gastroenterology and hepatology, June 17, 2019. Online: https://www.ncbi.nlm.nih.gov/pubmed/31220640</p>
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