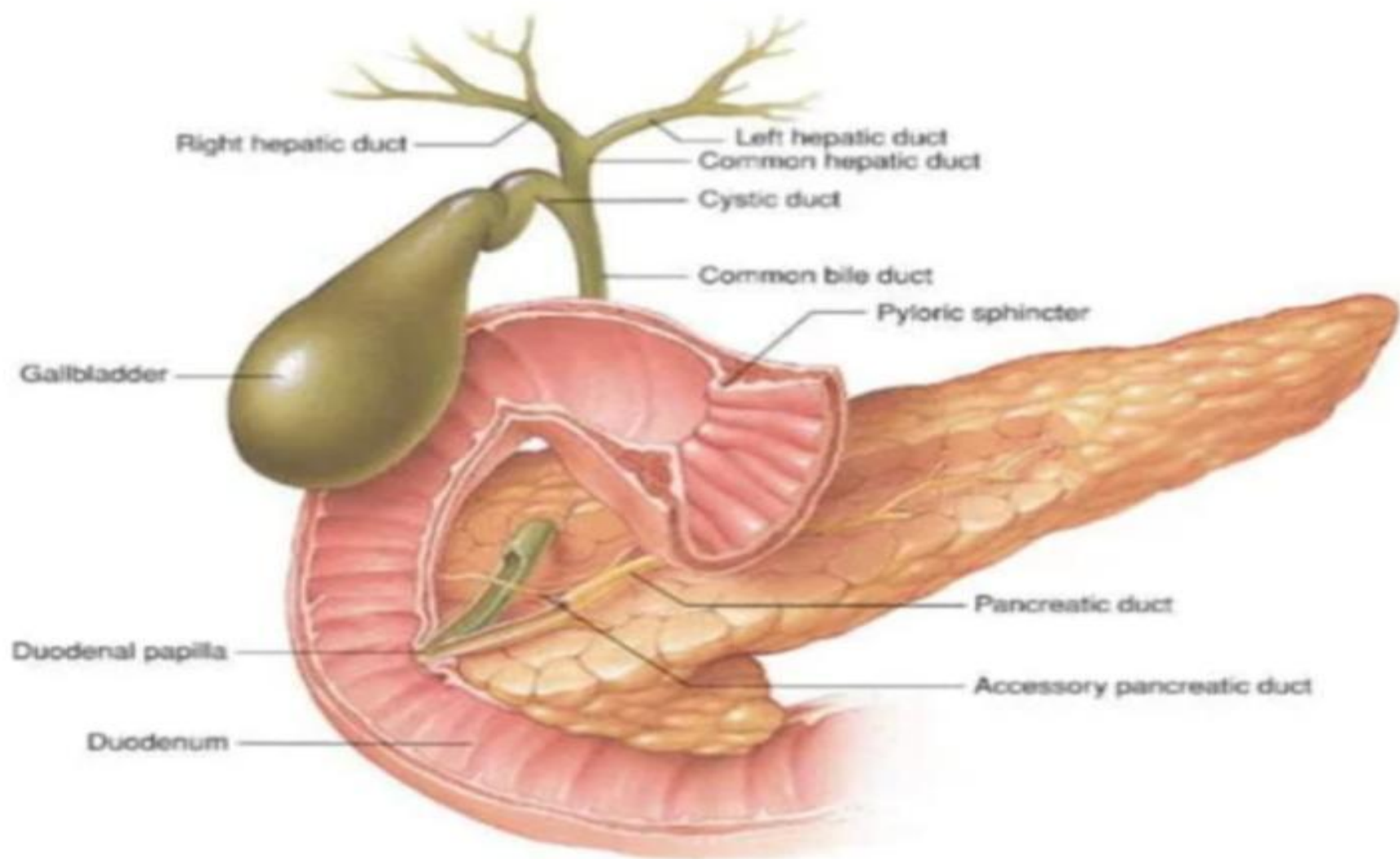
The background of the slide is a light gray gradient, decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle, scattered across the top and bottom edges of the frame.

**NAME : VISHWAJEET YEOLE  
IMRAN PATHAN  
SAYYAD YUNUS  
TOPIC PANCREATIC CANCER OR  
PANCREATITIS**

# Pancreas Cancer

[www.aboutcancer.com](http://www.aboutcancer.com)



# Pancreas Cancer

## Incidence (2014 Data)

46,420 (2.8%)

## Deaths

39,590 (6.8%)

The 5 year survival is only 6.7%

Life time risk of developing this cancer is 1.5%



# 2014 Statistics

	Male	Female
New Cases	23,530 (2.7%)	22,890 (2.8%)
Deaths	20,170 (6.5%)	19,420 (7%)

## Stage and Survival - SEER

<u>Stage</u>	<u>Incidence</u>	<u>Survival/5y</u>
Local	9%	25.8%
Regional	28%	9.9%
Distant	53%	2.3%



## **Risk factors for pancreatic cancer include the following**

- Smoking
- Obesity
- Personal history of diabetes or chronic pancreatitis
- Family history of pancreatic cancer or pancreatitis
- Certain hereditary conditions

# Symptoms



Most patients present with pain (in the back)  
weight loss or jaundice

Tumors in the head of the pancreas are more  
likely to have jaundice,

Those that arose in the body or tail, more  
likely pain and weight loss.

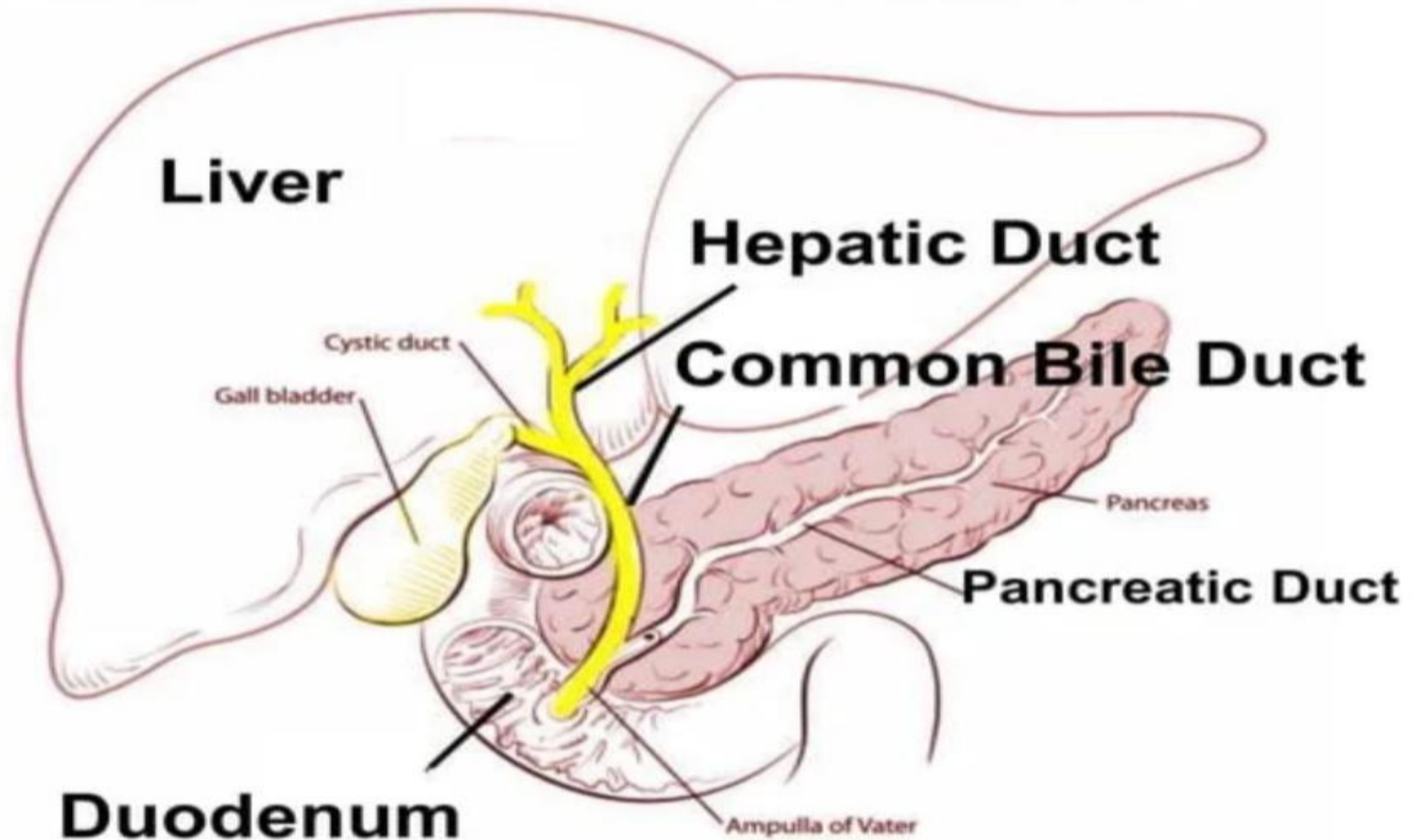
# Symptoms of Pancreas Cancer

- Asthenia (weakness) – 86 percent
- Weight loss – 85 percent
- Anorexia (no appetite)– 83 percent
- Abdominal pain – 79 percent
- Epigastric pain (stomach) – 71 percent
- Dark urine – 59 percent
- Jaundice – 56 percent
- Nausea – 51 percent
- Back pain – 49 percent
- Diarrhea- 44 percent
- Vomiting – 33 percent
- Steatorrhea (fatty stools)– 25 percent
- Thrombophlebitis – 3 percent

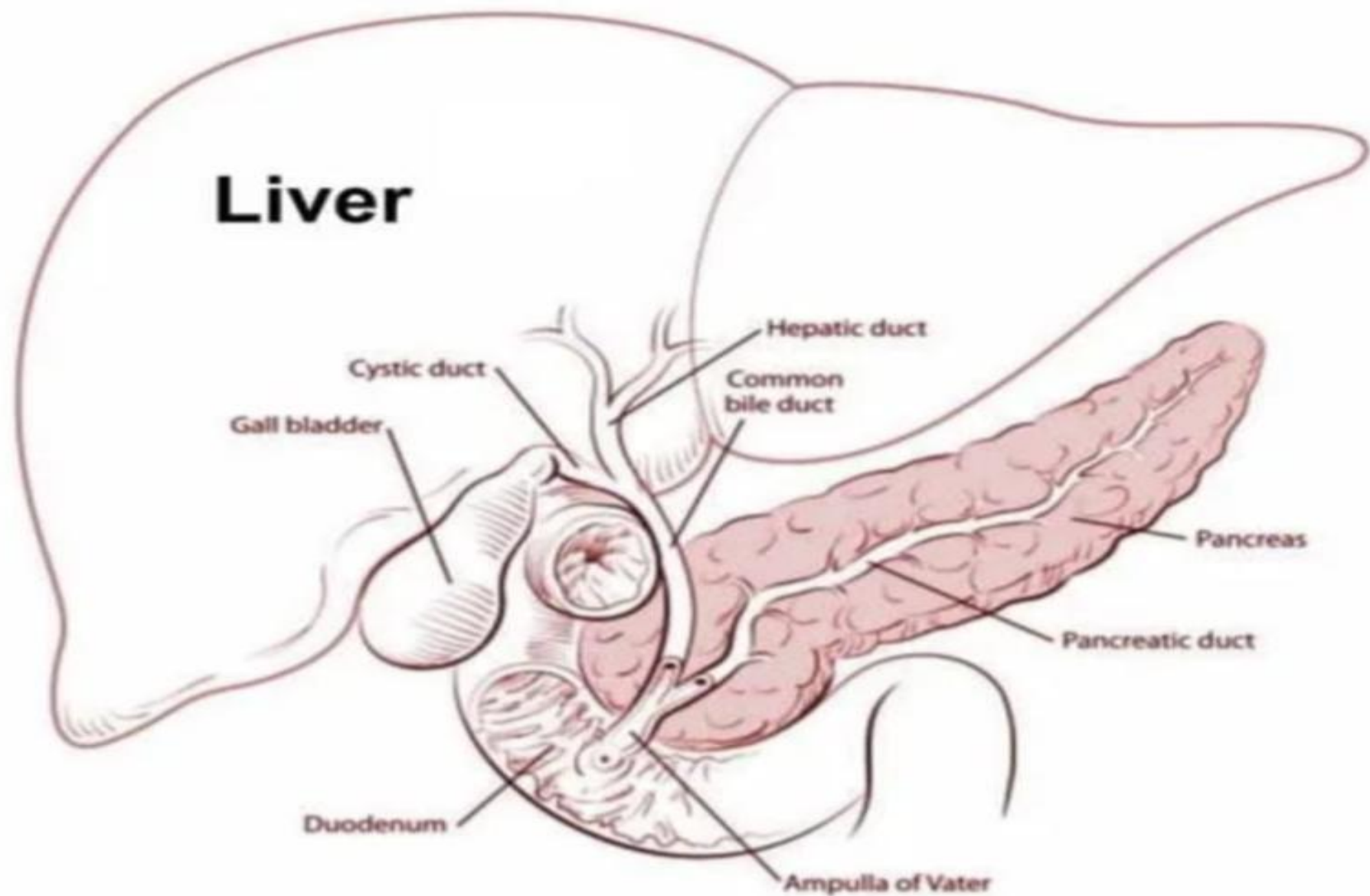




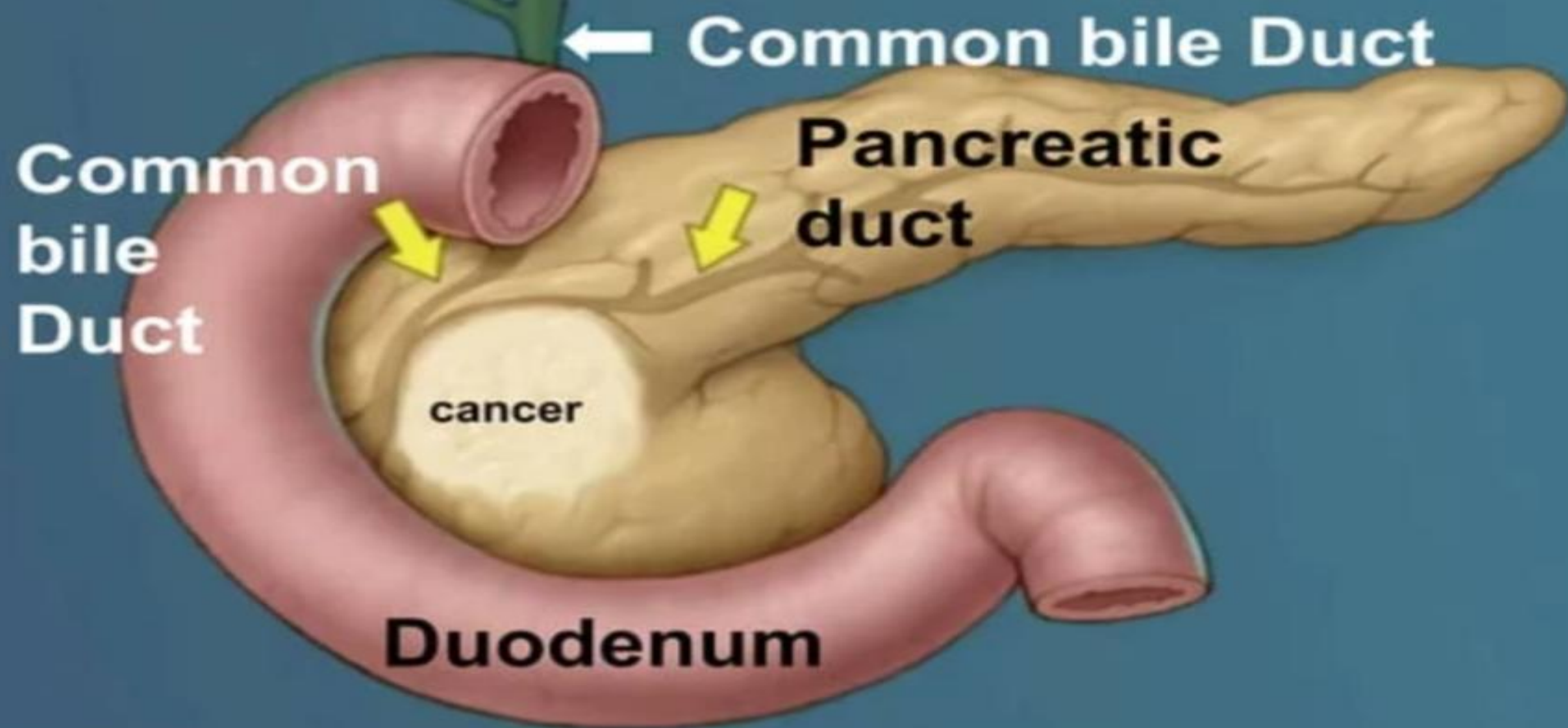
**Bile:** passes through the common bile duct through the head of the pancreas on it's way to the duodenum



**Bile:** yellowish fluid produced in the liver that aids in digestion of fat in the small intestine



**Head of the Pancreas Tumor  
Blocking the pancreatic duct  
and common bile duct**





# Signs of Pancreas Cancer

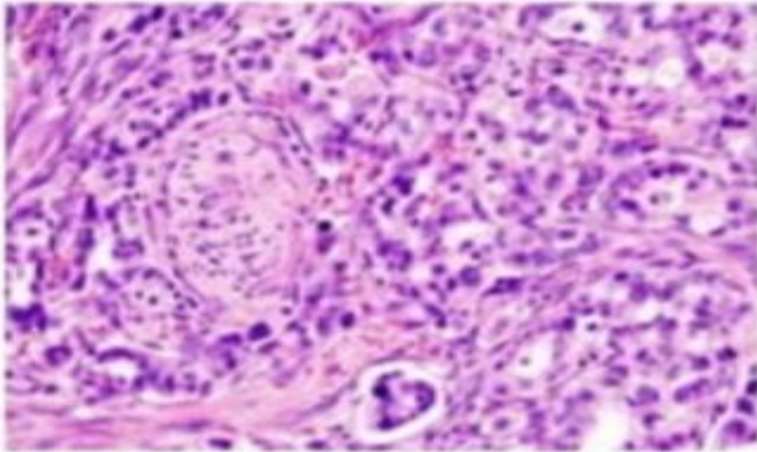
- Jaundice (yellow) – 55 percent
- Hepatomegaly (large liver) - 39 percent
- Right upper quadrant mass – 15 percent
- Cachexia (wasting) – 13 percent
- Courvoisier's sign (nontender but palpable distended gallbladder at the right costal margin) – 13 percent
- Epigastric mass (felt lump in stomach) – 9 percent
- Ascites (abdominal fluid) – 5 percent



# Pathology

Ductal adenocarcinoma accounts for about 85% of all neoplasms. And more than 95% of all pancreatic cancers arise from the exocrine (digestive enzymes) elements.

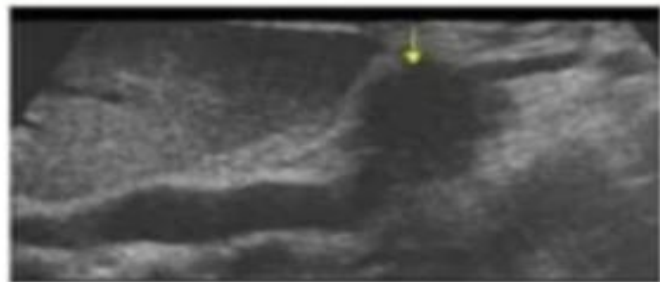
Cancers that arise from the endocrine cells (neuroendocrine, islet cells) account for 5% or less



## Tests used to evaluate and stage pancreas cancer

- Routine blood tests e.g. liver products like bilirubin
- Elevated tumor markers (CA 19-9 or CEA)
- MRI, CT scans, Ultrasound
- Endoscopy including endoscopic ultrasound or ERCP
- Laparoscopy
- Biopsy

# Ultrasound



study of 900 patients who underwent ultrasound to work up painless jaundice, anorexia, or unexplained weight loss

The sensitivity for detection of all tumors in the pancreas was 89 percent Among the

779 patients who were followed over time and established not to have developed a pancreatic tumor, nine had false-positive US findings (specificity 99 percent).



# Summary of Treatment

1. Resection is the only chance for a cure, and resectable patients should undergo surgery without delay followed by adjuvant therapy
2. Borderline resectable patients may benefit from neoadjuvant therapy and then surgery
- 3. Unresectable patients may benefit from chemotherapy or chemoradiation**
- 4. Metastatic disease may benefit from chemotherapy or other palliative treatments**



# Chemotherapy for Metastatic Pancreas Cancer

- FOLFIRINOX (oxaliplatin (Eloxatin), irinotecan (Camptosar) , leucovorin, fluorouracil)
- Gemzar (gemcitabine) + Abraxane (albumin bound paclitaxel)
- Gemzar + erlotanib (Tarceva, EGFR drug)

•THANK YOU SIR 😊