

Name: GOULASH + number:

TAJ: **Date of EUS:**

Type of echoendoscope: radial linear

Serial type of echoendoscope:

Used frequency:MHz

Sedation: no sedation midazolam:mg fentanyl:mg

Duration of EUS:.....min

Pancreas Size: Normal

Partially enlarged (body AP diameter is over 2 cm and/or head AP diameter is over 2,5 cm, none exceeds 3 cm)

Definitely enlarged (any part over 3 cm AP diameter)

Peripancreatic fluid: None

Present

Large pseudocyst(s)

Size of peripancreatic fluid or pseudocyst: mm

Parenchymal features (Rosemont criteria¹)

Hyperechoic foci with shadowing (echogenic structures ≥ 2 mm in length and width that shadow):

YES (Major A) NO

Lobularity with honeycombing (Well-circumscribed, ≥ 5 mm structures with enhancing rim and relatively echo-poor center):

YES (Major B) NO

Lobularity without honeycombing (Noncontiguous lobules):

YES (Minor) NO

Hyperechoic foci without shadowing (echogenic structures ≥ 2 mm in length and width without shadowing):

YES (Minor) NO

Cysts (Anechoic, rounded/elliptic structures with or without septations):

YES (Minor) NO

Stranding (Hyperechoic lines ≥ 3 mm in length seen in at least 2 different directions with respect to the imaged plane):

YES (Minor) NO

Ductal features (Rosemont criteria¹) (Except for ductal calculi all other features should be looked in the body and tail of pancreas only)

Main pancreatic duct (MPD) calculi (Echogenic structures within MPD with acoustic shadowing):

YES (Major A) NO

Irregular MPD contour (uneven or irregular in outline and ectatic course):

YES (Minor) NO

Dilated side branches (presence of ≥ 3 tubular anechoic structures each measuring ≥ 1 mm in width budding from the MPD):

YES (Minor) NO

Main pancreatic duct dilatation (MPD diameter ≥ 3.5 mm in the pancreatic body or ≥ 1.5 mm in the pancreatic tail):

YES (Minor) NO

Hyperechoic MPD margin (Echogenic, distinct structure greater than $>50\%$ of the entire MPD of the body and tail):

YES (Minor) NO

Endoscopic ultrasound diagnosis of chronic pancreatitis based upon Rosemont criteria

- Consistent with CP:
 - One Major A feature with ≥ 3 Minor features
 - Major A feature and Major B feature
 - 2 Major A features
- Suggestive of CP:
 - One Major A feature with < 3 Minor features
 - 1 Major B feature with ≥ 3 Minor features
 - ≥ 5 Minor features
- Indeterminate for CP:
 - 3 or 4 Minor features with no major features
 - Major B feature alone or with < 3 Minor features.
- Normal: < 3 Minor features, no major features.

Necrotizing area (nonenhancement): YES NO

Largest diameter of necrosis area: mm

Location of necrosis: head body tail

Type of necrosis: patchy full width

Estimated necrosis: 0% $< 30\%$ 30-60% above 60%

Enlarged lymph nodes: YES NO

Echostructure: heterogeneous homogeneous

Echogenicity: hypoechogenic hyperechogenic mixed

Shape: triangle round

Size (long and short axis):mm Number:

Border: smooth, well defined ill-defined

Presence of necrosis: yes no

Presence of calcification: yes no

Pancreas cancer²: YES NO

T1 (the tumor is inside the pancreas and is 2cm or less in any direction)

T1A (the cancer in no more than 0.5 cm in size in any direction)

T1B (more than 0.5 cm but no more than 1cm in size in any direction)

T1C (more than 1 cm but no more than 2cm in size in any direction)

T2 (more than 2 cm but no more than 4cm in size in any direction)

T3 (more than 4 cm in size)

T4 (the cancer has grown outside the pancreas, into the nearby large blood vessels)

N0 (there are no lymph nodes containing cancer)

N1 (there are 1 to 3 lymph nodes that contain cancer cells)

N2 (that there is cancer in more than 4 lymph nodes)

M0 (the cancer has not spread into distant organs such as the liver or lungs)

M1 (the cancer has spread to other organs)

Elastography³ performed: YES NO

Type 1 (with homogeneous pattern)

Type 2 (with 2 or 3 colours)

Type 3 (with a honeycomb pattern)

Contrast enhanced EUS⁴ performed: YES NO

vascularisation: avascular

(parietal) vascularized nodules and septa

vascular: arterial arterial and venous

FNA performed: YES NO

if YES, site: pancreas head pancreas body pancreas tail
 pseudocyst lymph node liver other:.....

Number of passes: Needle used: 19G 22G 25G

Suction type: stylet slow-pull vacuum: ml wet suction

Pseudocyst drainage: YES NO

Stentimplantation? YES NO

Type of stent? plastic metal

fully covered partially covered lumen apposing stent double-pigtail stent

Extrapancreatic findings:

Inflammation (Cholecystitis, Duodenitis, etc.) YES NO

location.....

Cholecystolithiasis: YES NO

Choledocholithiasis: YES NO

Venous thrombosis: YES NO

if yes: v.portae v.hepatica v.lienalis other:.....

Other:

Distant abdominal fluid: YES NO

Small amount (hard to see, less than 2 cm in lesser pelvis, less than 1 cm around liver/spleen)

Moderate amount (easy to see, but without pelvic or abdominal distension)

Large amount with abdominal/pelvic distension

Other Description:

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¹Rana SS, Vilmann P. Endoscopic ultrasound features of chronic pancreatitis: A pictorial review. Endosc Ultrasound.2015;4(1):10-4.

²<https://www.cancerresearchuk.org/about-cancer/pancreatic-cancer/stages-types-grades/tnm-staging>

³ Janssen J, Schlörer E, Greiner: EUS elastography of the pancreas: feasibility and pattern description of the normal pancreas, chronic pancreatitis, and focal pancreatic lesions. LGastrointest Endosc. 2007;65(7):971-8.

⁴ Christoph F. Dietrich, M. Sharma, and M. Hocke: Contrast-Enhanced Endoscopic Ultrasound, Endosc Ultrasound. 2012;1(3):130–136.