

**Comparison of diagnostic accuracy of EUS guided FNA  
before and after biliary decompression in suspected  
pancreaticobiliary malignancy .**

**BY**

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# *Disclosure*

- We have No conflict of Interest regarding this presentation .

# *Aim of the work*

- We aimed to compare the diagnostic accuracy of EUS guided FNA before and after biliary decompression .

# *Background*

- Current society guidelines recommend that EUS should be performed before biliary stent placement in all patients with suspected pancreaticobiliary malignancy as well as demonstrate a lack of benefit from preoperative biliary decompression. The acoustic reverberation and shadowing induced by biliary stents could impair the image quality, tumor visualization, and staging accuracy of EUS.

# *Patients and Methods*

- 50 patients with suspected pancreaticobiliary malignancy who referred for EUS evaluation were enrolled in this study . Patients were divided into 2 groups according to the presence of or absence of biliary stents .

**Group I** : patients with stent.

**Group II** : patients without stent.

- After precise review of clinical , laboratory and radiological data ,Curvilinear EUS was done and EUS guided FNA targeting the lesion. ROSE (Rapid On Site Evaluation ) of the obtained tissue was performed .

# Results

ITEM	GROUP I (with biliary stent)	GROUP II (without biliary stent)
Solid pancreatic lesion	28	19
Cystic pancreatic lesion	1	1
Ampullary lesion	1	--
Median number of FNA Passes	2	2

- ✓ There was no statistically significant difference in rates of diagnostic accuracy of FNA between both groups .(90.8% versus 93.3% for group I and group II respectively).
- ✓ Median number of passes to establish diagnosis was not significantly different between patients with or without stents .
- ✓ EUS-FNB was needed to establish diagnosis in only 1 patient of group I.



# *Conclusion*

- The presence or absence of a biliary plastic stent does not have an impact on the diagnostic yield or technical difficulty of EUS-FNA.

**THANK YOU**

