

# Workshop-ROSE in EUS guided FNA of Pancreatic Lesions

Guy's Hospital, London, **16 April 2018**

Laxmi Batav

**Imperial College NHS Trust**

# Pancreatic Mass: **Solid** or **Cystic**?

## • **Solid Pancreatic masses**

- Ductal Adenocarcinoma
  - typical
  - variant
- Chronic Pancreatitis
- Acinar Cell Carcinoma
- Pancreatic Endocrine Tumour (PNET)
- Pancreatoblastoma

## • **Cystic pancreatic masses**

- Pseudocyst
- Serous Cystadenoma
- Solid pseudopapillary tumour
- Mucinous cyst
  - MCN
  - IPMN

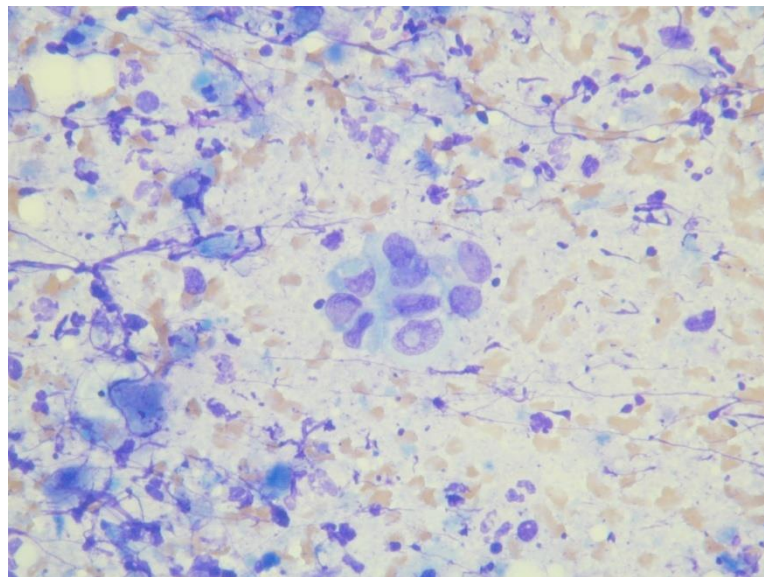
# Handling of ROSE samples: the **BMS**

- Direct **air dried Diff Quick** smears
- Assess whether **there is material**
- If **yes**, is it representative of the **intended site?**
- Is there **contamination?** (depends on Pathway of site)
- HOP(**duodenal**), TOP (**gastric**), Hilum (**liver**), **adrenal, mesothelial**
- Is it a **solid** or **cystic mass?**

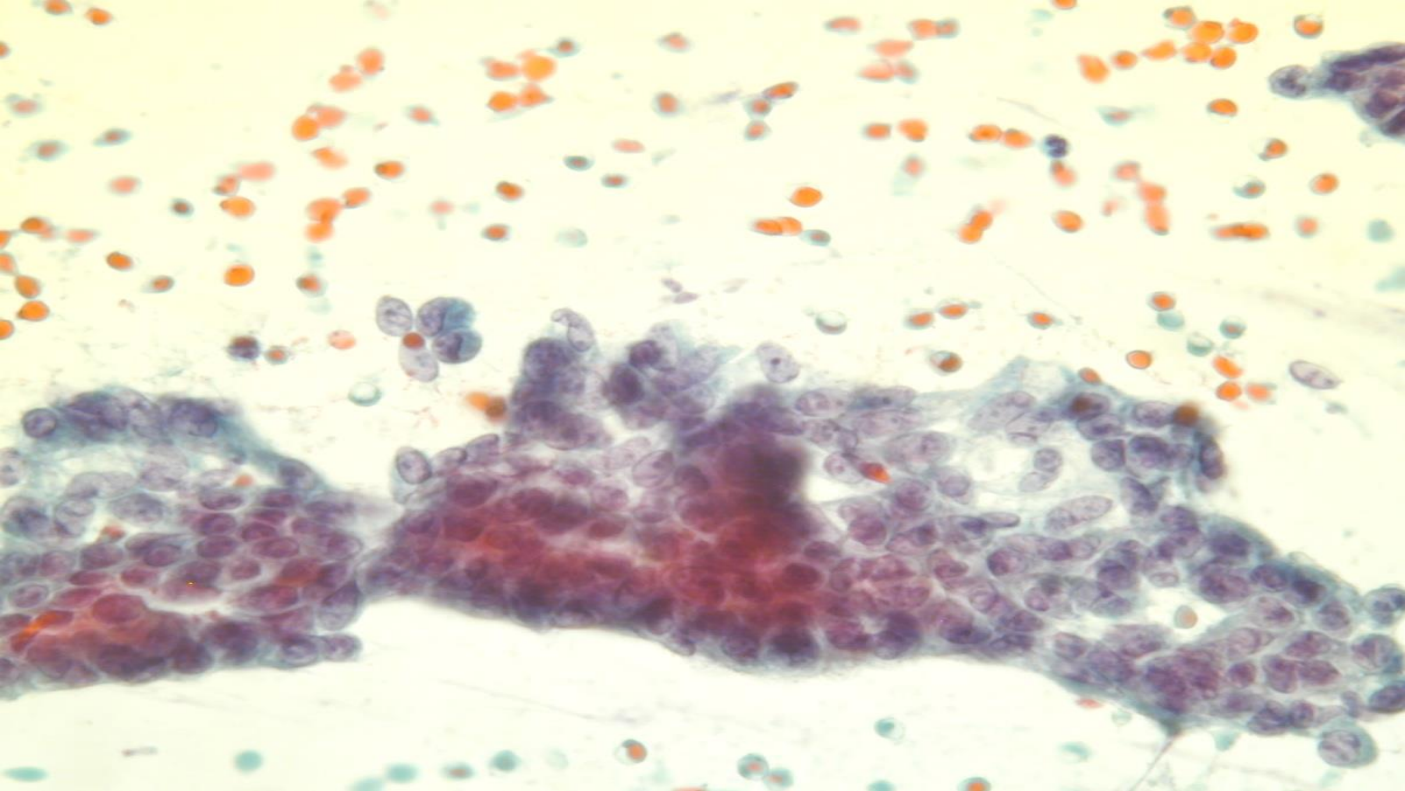
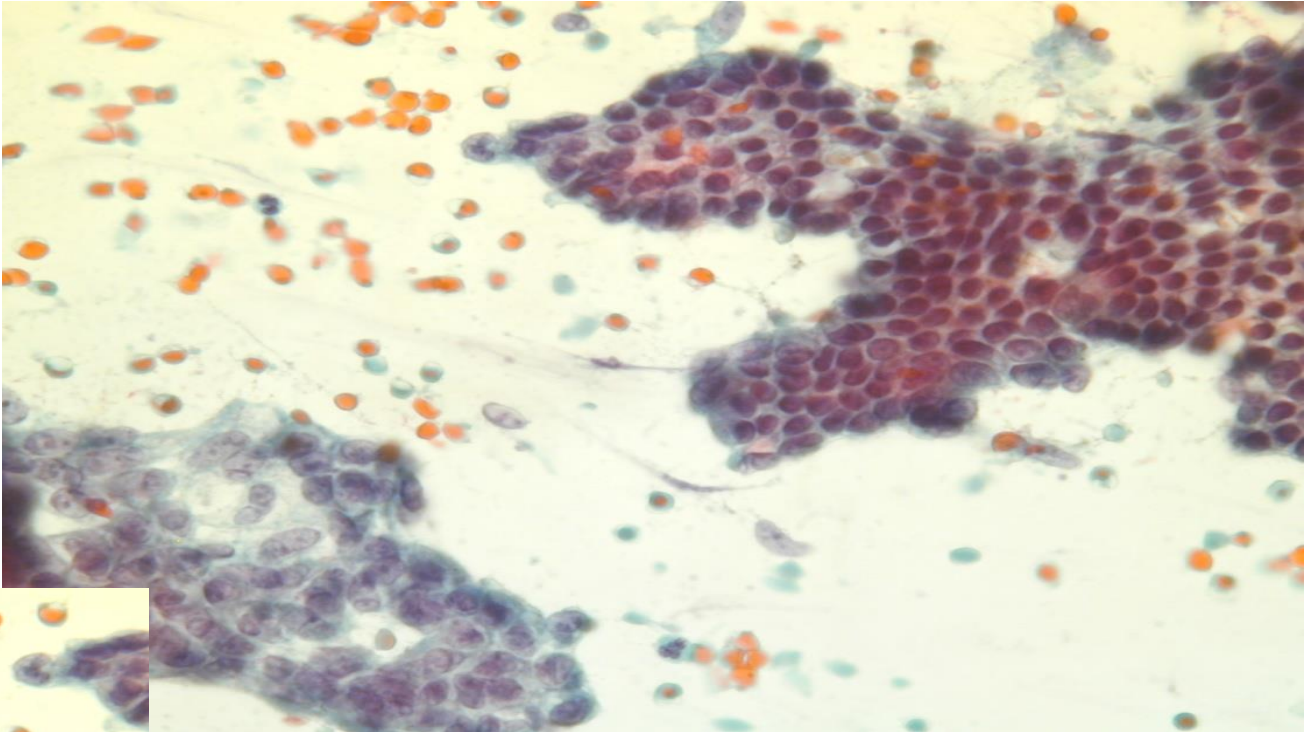
# Role of the **BMS**

- Check **Clinical Details**
- Liaise with endoscopist *regarding* the query
- Check whether **representative**
- **Suggest** further..... studies (?lymphoma for Flow Cytometry)
- If atypical cells present, ask for **dedicated pass** in **LBC**

# Adenocarcinoma



Difficult Differential Diagnosis:  
Reactive ductal atypia in chronic pancreatitis vs.  
better differentiated adenocarcinoma



# Costs

- 1 EUS procedure = 1hour (45'+15')
- 1 session/week of a cytopathologist (3.5 hours=**£9700** gross/year)
- 1 session/week of a BMS gr7 = **£2700**

BMS Training Course **in** CT/US guided FNA Cytology  
Imperial College NHS Trust,  
Dept. of Cellular Pathology

- **Aim of the course:**

- Provide training to senior cytology BMSs in order to assist Radiologists and clinicians in the evaluation of cytological material obtained through CT/US guided FNAs including EUS and EBUS procedures
- Maximize the **potential** of cytological material for diagnostic **ancillary techniques & research protocols**



The course will run in 3 hour sessions on Tuesday morning (half day) from 10.00 to 13.00 on a weekly basis including **lectures** by **BMSs, cytopathologists, radiologists** and **clinicians**

**March 11, 9 am- Cytology of respiratory tract**

Dr Onn Kon - Indications and Clinical setting

Dr C Wright - EBUS

**March 18, 10 am - Cytology of respiratory tract**

Dr F Mauri – Lung Pathology

Dr F Mauri - Cytology and ancillary techniques

**March 26, 14.00 – 14.45 Lung and Thyroid**

Dr N Strickland - CT guided FNA

Dr R Dina – Thyroid Cytology and ancillary techniques

**April 1, 10 am - FNA of Thyroid**

Mr F Palazzo - Clinical setting

Dr M Crofton - - US guided FNA of thyroid nodules

**April 8, 10 am - FNA of pancreas and cytology of biliary tract**

Dr P Vlavianos - Clinical setting

Dr R Dina - Cytology and ancillary techniques

**April 15, 10 am – FNA of head and neck**

Dr A Sandison - Clinical setting and Pathology

Dr D Blunt - US guided FNA of head and neck

Dr R Dina – Head and neck cytology

**May – Assessment and Evaluation**

# Current setting

- All U/S-guided **FNAs at HH** if ROSE requested are attended by a senior BMS gr7
- All U/S-guided **FNAs at SMH** smeared by the Radiologists (trained)
- All EUS-guided FNAs attended by a BMS gr7
- EBUS-guided FNAs attended by a BMS **if** granulomas suspected (TB or sarcoid),
- But by a cytopathologist **if** cancer suspicion/staging

Let us take MICROSCOPIC ACTION.....

**THANKS !!!**