

*Düsseldorf, Germany*

**Teaching Session 2 – Interactive**  
**Sunday, October 14, 16:30-18:00**

**Session Title**  
**Lung Anatomy and Patterns of Lung Malignancy**

***Lung Cancer Diagnosis, Staging and Management - Everything you need to make you an Imaging Expert***

**Chairperson**  
Tom Lynch (Belfast)

**Programme**

16:30 - 17:15 Amy Eccles (London): Anatomy of the Thorax and Relevant Anatomy of Most Common Metastatic Sites

17:15 - 18:00 Amy Eccles (London) / Tom Lynch (Belfast): Patterns of Lung Cancer and False Positive/Negative Patterns

**Content of the session:**

***Lung Anatomy***

- Key CT landmarks for proper TNM staging
- Lobar anatomy
- Nodal stations

***Lung Cancer Appearances and differential diagnosis***

- Squamous Cell Cancer
- Adenocarcinoma
- Mixed
- Small Cell Lung Cancer (limited/extensive versus TNM)
- Mesothelioma
- Carcinoid
- Lymphoma
- Sarcoma
- Metastatic patterns
- Met versus lung primary appearances

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### **Other patterns on CT and PETCT**

- Infection versus malignancy
- TB
- Sarcoidosis
- Hamartoma and granuloma
- Emphysema-scars and nodules
- Folded lung
- Talc Pleurodesis

### **Pulmonary Nodule Management (FDG positive and negative)**

- Solitary Pulmonary Nodule
- Multiple Pulmonary Nodules
- Follow up criteria

### **Radiological Tools at our disposal-advantages/disadvantages and when to use**

- CXR
- CT
- PET/CT
- MRI

### **TNM Staging**

- T Staging
- N Staging (with reference to the different nodal staging systems for Lung Cancer compared to Lymphoma and Head/Neck cancer)
- M Staging (patterns of metastatic disease adrenals, brain (ROI), Liver (including false positive focal fatty infiltration), bone, chest wall invasion, plexus invasion, intraforaminal disease extension)