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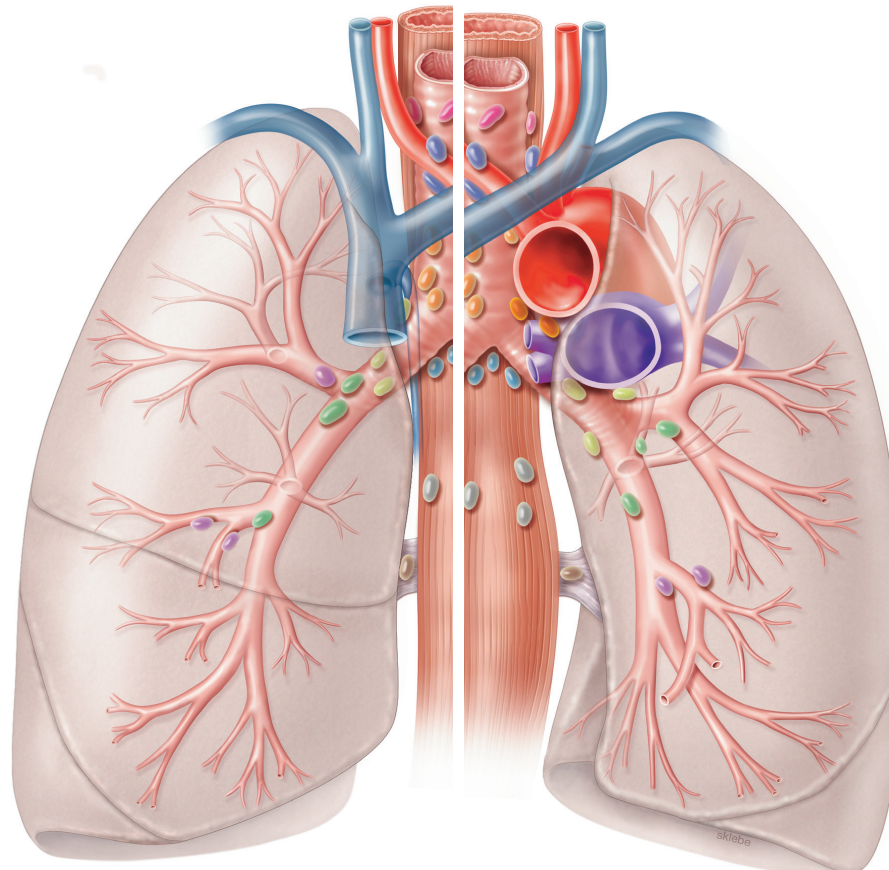
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PENTAX Medical

Maximum support from detection to diagnosis

Superior imaging and treatment modalities.

EBUS and EUS



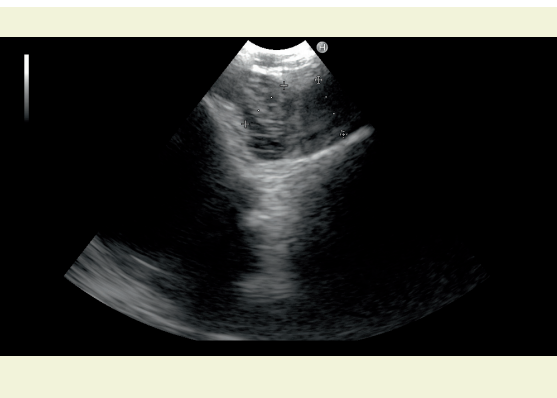
HD+ and i-scan

EBUS

The outstanding image quality of the EB-1970UK offers an uncompromising foundation for detection and staging of lymph nodes and tumours in the lung.

Endobronchial ultrasound and real-time EBUS-TBNA contribute to a more reliable diagnosis - becoming a standard for optimal patient care.

Elastography is an imaging modality that evaluates the relative stiffness of tissue within the body, by its response to compression and may help in more precise staging and diagnosis.

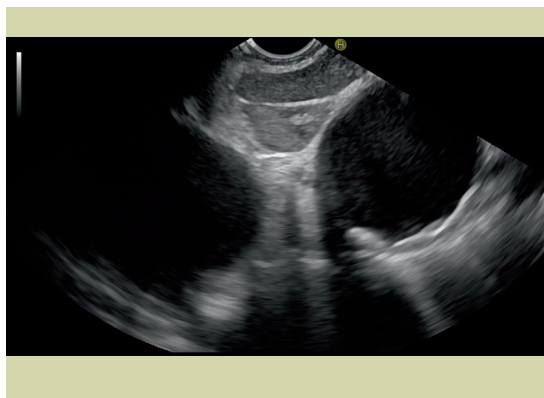


EUS

The EG-3270UK combines the feasibility of Fine Needle Aspiration (FNA) with excellent ultrasound image quality.

This unique combination sets a new standard in endoscopic ultrasound for everyday practice; easy to use and applicable to a wide range of procedures.

The combination of EBUS-TBNA and EUS-FNA may lead to an increase of the diagnostic accuracy compared to each technique alone.



HD+ image

Unique High-Definition (HD+) images and excellent illumination support fast orientation and detection.

It significantly improves the visibility and evaluation of anatomical details of the bronchial mucosa.



i-scan

HD+ combined with i-scan technology offers enhancement of lesion margins and vessels architecture supporting easier demarcation of suspicious areas and characterisation of mucosal abnormalities.

Significantly improves the endoscopic diagnosis by supporting the identification of areas to be treated.



Endoscopic Ultrasound

Type	EB-1970UK	EG-3270UK
Direction of viewing field	Forward oblique [45°]	Forward oblique [50°]
Field of view [°]	100	120
Depth of field [mm]	2-50	5-100
Tip deflection up/down [°]	120/90	130/130
Insertion tube [ø mm]	6.3	10.8
Distal end [ø mm]	7.4	12
Distal end diameter US probe [ø mm]	6,5 x 7.0	11.5
Instrument channel [ø mm]	2.0	2.8
Working length [mm]	600	1.250
Scanning angle [°]	75	120
Acoustic Frequency [MHz]	5-10 switchable	5-10 switchable
Scanning direction	Longitudinal	Longitudinal
Scanning system	Convex	Convex

Interventional Bronchoscopes

Type	EB-1990i*	EB-1575K	EB-1975K
Insertion tube [mm]	6.4	5.2	6.4
Distal end [mm]	6.6	5.5	6.3
Instrument channel [mm]	1.2	2.0	2.8
Working length [mm]	600	600	600
Field of view [°]	120	120	120
Tip deflection up/down [°]	180/130	210/130	180/130
Depth of field [mm]	3-50	3-50	3-50
Remarks	STERRAD® compatible (applies to all three products)		
	*HD+ Image		

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