

HospiBuzz

Bronchoscopic Ultrasound Introduced at Fortis Hiranandani Hospital

Vashi's Fortis Hiranandani hospital has introduced a breakthrough technique in the diagnosis of mediastinal and hilar lymph nodes. Termed CP EBUS (Convex Probe Endobronchial Ultrasound), this is a real-time diagnostic procedure with target visualisation.

The CP EBUS procedure is the brainchild of Bronchoscopy and Pulmonology expert — Dr Prashant Chhajed. Dr Chhajed has been part of the team that has developed the CP-EBUS in collaboration with Olympus Optical Co Tokyo, Japan. Dr Chhajed currently heads the Pulmonology department at Fortis Vashi.

The CP EBUS is a non-surgical day care procedure. This CP-EBUS is a flexible bronchoscope with a linear curved array transducer on the tip with a frequency of 5 to 12 MHz that scans parallel to the insertion direction of the bronchoscope. Images can be obtained by directly contacting the probe or by attaching a balloon on the tip and inflating with saline. A dedicated needle is passed through the bronchoscopic ultrasound device and can be visualised through the optics and on the ultrasound image.

According to Dr Prashant Chhajed, "Real-time CP-EBUS-guided TBNA of mediastinal and hilar lymph nodes is a novel approach that is safe and has a good diagnostic yield. This new ultrasound puncture bronchoscope has an excellent potential for assisting in safe and accurate diagnostic interventional bronchoscopy in respiratory diseases."

Dr Rajeev Boudhankar, Director, Fortis Hiranandani hospital, said, "Endobronchial ultrasound (EBUS) guided biopsy in respiratory disease is a promising new modality. This is the first real time procedure in the whole of Western India and we are proud that Fortis is the first to introduce it."