

Lung cancer is one of the foremost killer in Haryana . again the prevalence is increasing due to increasing trend of tobacco smoking and biomass fuel smoke exposure.

Department of Respiratory Medicine BPSGMCW is equipped with state of the art technology of **Fibre optic video bronchoscope**; to conduct minimally invasive procedure in more central pathology of tracheobronchial tree to clinch the diagnosis in early state of lethal diseases like cancer without giving any incision or other toxic medication of anesthesia ; as well as patient could be discharge on next day after overnight monitoring.

In an exemplary case of Ramphal S/o Jogiram, Age-65/M, R/o Bhawar, Sonapat, belongs to low socioeconomic status referred to OPD with diagnostic dilemma complaining of shortness of breath, dry cough for month , associated with, on & off low grade fever for last 03 months. He had multiple episodes of mild haemoptysis, Sputum AFB, pyogenic culture and CBNAAT showed no evidence of tubercular and other bacterial infection. He was not getting relief despite taking treatment from various hospital. CECT thorax reveal thick walled cavitary lesion in the left upper lobe with bronchus cut off sign, for which suspicion of malignancy has been raised by the radiologist but not sure ; at the end expert team of the department of Respiratory Medicine has decided to conduct flexible video bronchoscopy to ward off diagnostic dilemma ; on direct visualization of airway through the flexible Bronchoscope ,there was fungating mass in the left main bronchus which obstruct the lumen partially and responsible for difficulty in breathing , small piece of biopsy was taken by using biopsy forceps and sent for histopathological examination for further evaluation ; Patient was discharged without any significant complication of procedure on next day.

it is very costly investigation in private setup hence not in reach to a common population who are deprived of resources. Its installation in government setup is quite useful and boon for underprivileged people of Haryana, those who can't visit corporate hospital or AIIMS frequently . Hence we could save the life of the patient by timely diagnosis , reduce procedure related complications, alleviate apprehension of surgery among people as well as reduce the burden of cost of treatment in our state by opting this innovative technique in coming future .



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