

RESPIRATORY MEDICINE

S.No.	Topics
Observational Descriptive	
1.	Gender differences in perception of dyspnea, quality of life and pattern of lung function abnormalities in patients with asthma.
2.	Knowledge, Attitude and Practice (KAP) about adult vaccination in patients attending the Respiratory Medicine Outpatient Department/ Chest Clinic of a teaching hospital? Qualitative
3.	To study the spectrum of adverse effect profile of anti-fibrotic drugs in various subtypes of interstitial lung diseases.
4.	To assess the spectrum of chronic pulmonary aspergillosis in treated patients of pulmonary tuberculosis.
5.	Clinical, biochemical and radiological profile of frequent exacerbate phenotype in Chronic Obstructive Pulmonary Disease.
6.	To study the prevalence and severity of obstructive sleep apnea in patients of Chronic Obstructive Pulmonary Disease.
7.	To study the prevalence and severity of obstructive sleep apnea in patients with Asthma (in your region).
8.	Clinical phenotyping of patients with asthma presenting to the Respiratory medicine Outpatient Department.
9.	Study of various factors (physician related, laboratory related and patient related) for delay in diagnosis of lung cancer.
10.	Analysis of the prevalence and management of tuberculosis-associated respiratory complications in (your region).
11.	Etiology and clinical profile of patients with Hypersensitivity Pneumonitis.
12.	To study the profile of hospital acquired pneumonia in a tertiary care hospital: predisposing factors, organisms isolated, antibiotics used and outcomes.
13.	Prevalence and Risk Factors for Pulmonary Artery Hypertension and Cor pulmonale in Post Tuberculosis Pulmonary Sequelae.
14.	To study the common organisms isolated in patients with community acquired pneumonia and their resistance pattern (in your region)?
15.	To study the factors associated with mortality, lost to follow up and treatment failure in patients with microbiologically confirmed pulmonary tuberculosis presenting to a tertiary care hospital?
16.	Clinical outcome and lung function assessment of patients of malignant pleural effusion with intercostal chest tube undergoing chemical pleurodesis at 6 months/12 months: Prospective observational study.
17.	Clinical outcome and lung function assessment of patients of recurrent pneumothorax with intercostal chest tube undergoing chemical pleurodesis at 6 months/12 months: Prospective observational study.

18.	Prevalence and severity of Obstructive sleep apnea in patients with metabolic syndrome.
19.	Prevalence and severity of Obstructive sleep apnea in patients having Ischemic and Hypertensive heart disease.
20.	Evaluation of etiological spectrum, clinical & radiological profile and severity in patients with bronchiectasis in (your region).
21.	Residual lung damage after microbiologic cure of pulmonary tuberculosis-radiological and physiological assessment at 6 months/12months.
22.	Study of proportion of patients with obstructive airway diseases compliant with medications and to assess factors associated with poor compliance.
23.	Prevalence and speciation of non-tuberculous mycobacteria in presumptive drug resistant pulmonary tuberculosis cases.
24.	Evaluation and predictors of response following targeted therapy in lung cancer.
25.	A Study on Assessing the Duration and the Reasons for Time Delay between the Onset of Symptoms and the Initiation of Treatment for New Sputum Positive Pulmonary Tuberculosis.
Observational Analytical	
26.	Assessment of etiological bacterial organism, drug sensitivity pattern and their association with outcome in acute exacerbation of Chronic Obstructive Pulmonary Disease.
27.	Compare the diagnostic yield of induced sputum and broncho-alveolar lavage in sputum smear negative tuberculosis.
28.	Predictors of Non-invasive ventilation failure in patients with Type II respiratory failure admitted to High dependency units & Intensive care units.
29.	Incidence of viral etiology and its correlation with outcome as a causative agent for asthma and chronic obstructive pulmonary disease exacerbation.
30.	Role of biomarkers in predicting treatment response and disease progression in idiopathic pulmonary fibrosis.
31.	Exploring the association between Vitamin D levels and disease severity in various lung disorders (Asthma/Sarcoidosis/Tuberculosis).
32.	Comparison of proportion and disease characterization of Allergic bronchopulmonary aspergillosis among the severity grades of asthma.
33.	Correlation of Absolute Eosinophil Count, FeNO (fractional exhaled nitric oxide) and lung function in assessing the clinical Severity of Bronchial Asthma.
34.	Role of bronchoalveolar lavage cellular analyses and its correlation with High-Resolution Computed Tomography pattern as a diagnostic intervention for patients with suspected Interstitial lung disease.
35.	To Study the Correlation of Clinical Symptoms, Pulmonary Function Test, Exercise Testing with High-Resolution Computed Tomography Chest Scoring in different subtypes of Interstitial lung disease.

36.	What is the sensitivity and specificity of Nucleic acid amplification tests; CBNAAT(cartridge- based nucleic acid amplification) test or TrueNat in the diagnosis of extra-pulmonary tuberculosis as compared to culture and as compared to a composite reference standard?
37.	To study the decline in lung function as measured by FVC (forced vital capacity) in patients with a High-Resolution Computed Tomography diagnosis of interstitial lung disease and compare the difference in lung function decline in different types of interstitial lung disease?
38.	To evaluate the role of biochemical markers as predictors of disease activity in patients of pulmonary sarcoidosis.
39.	To study the Role of Thoracoscopy in evaluating causes of Undiagnosed Pleural Effusion.
Experimental	
40.	Comparison of patient counselling with printed information material vs counselling with audio-visual information material on the compliance of Positive airway pressure therapy) for obstructive sleep apnea.
41.	Management of progressive fibrosing interstitial lung diseases with standard treatment protocol versus standard treatment plus Yoga and Pranayama an open labelled randomized controlled trial.
42.	Randomized comparison of various suction pressures during Endobronchial ultrasound-guided transbronchial fine needle aspiration.
43.	Effect of pulmonary rehabilitation on systemic inflammation, oxidative stress and functional status in chronic obstructive pulmonary disease.
44.	Effect of pulmonary rehabilitation on quality of life, functional and biochemical parameters in patients with Interstitial lung disease.
45.	Comparison of Efficacy of tele-pulmonary rehabilitation in advanced lung disease with traditional physical rehabilitation.