



Government of West Bengal
Institute of Postgraduate Medical Education & Research
Centre of Excellence in Medical Education & Research

Chest Department
(Respiratory Medicine & Pulmonary Medicine)

Chest Department caters to all forms of respiratory disorders among patients attending on OPD basis or admitted in the indoor departments. Cases are referred not only from the various districts of the state but also from neighboring states of Orissa, Bihar, Assam and Tripura. **The department has been specially involved in rendering COVID 19 services in SNPH, annex of IPGME&R, starting from all faculties, RMOs and residents continuously, specially CCU, HDU and ECMO patients.**

FACULTY – Respiratory Medicine

Prof. (Dr) Somenath Kundu	MD (Resp Med)	Professor and Head (Resp. Med.)
Dr. Surajit Chatterjee	MD (Resp Med) FCCP	Assistant Professor
Dr. Ranjit Kumar Halder	DCH, MD (Resp Med)	Assistant Professor
Dr. Prasanta De	DTCD, DNB (Resp Med)	RMO-cum-Clinical Tutor
Dr Saibal Mandal	MD (Resp Med)	RMO-cum-Clinical Tutor

MEDICAL OFFICERS

Dr. Tapan Mondal	MBBS	Medical officer
Dr. Samar Das	MBBS	Medical officer

SENIOR RESIDENTS

Dr. Sandip Das	MD (Resp Med)	Senior Resident
Dr. Riksoam Chatterjee	MD (Resp Med)	Senior Resident

POSTGRADUATE TRAINEES (Junior Residents)

SESSION 2019 - 2022	SESSION 2020 - 23
Dr. Kamalika Mazumder Dr Sushobhan Mazumdar	Dr Krishanu Mukhoti Dr Anirban Kundu Dr Nilava Banerjee Dr Subhankar Soren Dr Sreetama Banerjee

FACULTY – Pulmonary Medicine

Name	Qualifications	Post/ Designation
Prof (Dr) Amitabha Sengupta	MD (Resp Med)	Professor and Head (Pulm. Med.)
Dr Ankan Bandyopadhyay	MD, DM (Pulm Med)	Assistant Professor

POST DOCTORAL TRAINEES (senior residents): Pulmonary Medicine

Session 2021 - 2024
Dr. Ritabrata Mitra Dr. Akshit Gupta

FACULTY NEWS

Publications of Prof. Somenath Kundu:

- A clinical study on hematological and biochemical profile of Pulmonary and extra Pulmonary tuberculosis patients and its relationship with socioeconomic status and body mass index. IJSR, VOL 9, issue 10, October 2020.
- A study of factors associated with hospitalization among tuberculosis patients and their outcome: A cross sectional study in the department of Pulmonary Medicine in a tertiary care center. International Journal of Scientific Research 2021; 10(3): 63-65.
- A Study on etiology and diagnostic modalities of cases with solitary pulmonary opacity in chest roentgenogram. Indian Journal of Applied Research 2021; 11(2): 26-28.

Publications of Dr. Surajit Chatterjee:

- Role of Fiber-optic Bronchoscopy and thoracic computerized tomography in the diagnostic work up of cases of moderate to severe hemoptysis admitted in a tertiary hospital, IJSR, VOL- 9, issue- 12, 2020.

Conferences and Training Programs:

- All faculty members attended virtual NAPCON 2020 held in JAN 2021 and ACPCON 2021. The same was attended by junior residents
- Prof. Somenath Kundu chaired a session and acted as panelist in ACPCON 2020 and delivered a lecture.
- Prof. Amitabha Sengupta judged poster session ACPCON 2020.

STUDENTS AND EXAMINATION INFORMATION

MD Examination 2021 despite the pandemic situation:

The department organized postgraduate MD RESPIRATORY MEDICINE examination 2021 with Prof S Kundu and Prof A Sengupta as internal examiner.

Dr Riksoam Chatterjee, Dr Sandip Das, Dr D Suresh Kumar and Dr Sudipta Saha passed the MD RESPIRATORY MEDICINE examination 2021.

- 1. The department is proud to announce that DM Pulmonary Medicine has got sanction of admitting 2 (two) students this year as the 1st DM Pulmonary Medicine batch in the state.**
- 2. Dr Riksoam Chatterjee secured 1st Position in MD Respiratory Medicine Examination 2021, WBUHS with 81.6% marks**
- 3. Dr Riksoam Chatterjee secured 2nd position in paper presentation at NAPCON virtual 2020 (held in Jan 2021)**
- 4. Dr Riksoam Chatterjee became 1st in NAPCON quiz (NCCP, State)**
- 5. Dr Riksoam Chatterjee won 2nd prize in ACPCON 2021 (State Level, virtual) and 1st prize in oral paper presentation**
- 6. Dr Riksoam Chatterjee won 2nd prize in oral paper presentation at College Foundation Day, IPGME &R**
- 7. Dr D Suresh Kumar received 2nd prize in ACPCON quiz 2021**
- 8. Dr D Suresh Kumar won the 1st prize in TYSA quiz 2021**
- 9. Dr Sandip Das received 3rd prize in paper presentation at NAPCON virtual 2020 (held in Jan 2021)**

All 3rd year PGTs presented papers in NAPCON 2020, ACPCON 2021

CURRENT RESEARCH WORK IN DEPARTMENT OF RESPIRATORY MEDICINE

1. Clinico-radiological approach in cases of intrathoracic masses with special reference to role of CT guided tru-cut biopsy for etiological diagnosis. (Prof Somenath Kundu, Prof Alope Ghosh Dastidar, Dr Sushobhan Majumdar).
2. An observational study on role of noninvasive ventilation in acute Respiratory Failure with special reference to its indications and outcome in a Respiratory medicine department of a tertiary care hospital. (Prof Somenath Kundu, Dr Kamalika Mazumder)
3. ICMR'S network of Pulmonary Fibrosis (INPF). (Prof A Sengupta, Prof S Kundu, Prof PS Mahapatra, Ankan Bandyopadhyay, Dr Keya Basu).
4. Clinico-pathological correlation in post COVID respiratory distress. (Prof A Sengupta, Prof S Kundu, Dr Ankan Bandyopadhyay, Dr S Chatterjee) under process.

5. A study on role of HRCT and PFT in the evaluation of CTD-ILD. (Prof Somenath Kundu, Dr Pradyot Sinha Mahapatra, Dr Krishanu Mukhoti)
6. Factors responsible for delay in diagnosis of lung cancer and its impact on anatomical staging and performance status. (Prof Somenath Kundu, Dr Anirban Kundu)
7. A study on etiology of cases with cavitory lung disorders on chest Roentgenogram having negative sputum X-pert MTB/RIF assay. (Prof Somenath Kundu, Dr Nilava Banerjee).
8. Identifying malignant pleural effusion from tubercular pleural effusion by study of cancer ratio plus. (Dr Surajit Chatterjee, Prof Amitabha Sengupta, Dr Subhankar Saren).
9. Clinico-radiological and functional status of post covid lung and its follow up. (Dr Surajit Chatterjee, Prof Amitabha Sengupta, Dr Sreetama Bandyopadhyay.)

CURRENT DM DISSERTATION WORK IN THE DEPARTMENT OF PULMONARY MEDICINE

1. Pleural manometry during thoracocentesis to assess role of pleural elastance with special reference to malignant pleural effusion. Prof Amitabha Sengupta (guide), Dr Ritabrata Mitra (MT-TR).
2. Evaluation of fibrotic biomarkers in patients of post covid lung fibrosis (Prof Amitabha Sengupta, Dr Akshit Gupta)

Publication of Dr Ritabrata Mitra (MT-TR, Department of Pulmonary Medicine)

- A study of factors associated with hospitalization among tuberculosis patients and their outcome: A cross sectional study in the Department of Pulmonary Medicine in a tertiary care center. International Journal of Scientific Research 2021; 10(3): 63-65.
- A Study on etiology and diagnostic modalities of cases with solitary pulmonary opacity in chest roentgenogram. Indian Journal of Applied Research 2021; 11(2): 26-28.

SERVICE INFORMATION

Unit composition and OPD days

Respiratory Medicine	OPD Days	Pulmonary Medicine	OPD Days
Prof (Dr) Somenath Kundu	Monday	Prof (Dr) Amitabha Sengupta	Thursday
Dr Surajit Chatterjee	Wednesday	Dr Ankan Bandyopadhyay	Tuesday & Saturday
Dr Ranjit Kr Haldar	Friday		

RESPIRATORY MEDICINE

OPD INFORMATION: FROM 01.11.2020 TO 31.10.2021

OPD New patients (male 11678+female 17049)	Total	28727
OPD Old patients (Male 6457+ Female 4725)	Total	11182
	OPD All patients TOTAL	39909
Nebulisation -		1249
Thoracocentesis-		1058
SPIROMETRY Total No. of PFT done (01.01.2020 – 30.11.2020)		147
NTEP SERVICES		
Total Sputum Examination		2725
Total No of Sputum positive		44
Total Indoor Patients put on DOTS		
Total Outdoor Patients given DOTS from SSKM PHI		05
Total Patients refer outside Kolkata		62
Total patient refers within Kolkata		112
Total MDR cases		39
Total CBNAAT pulmonary and extra pulmonary TB		4429
CBNAAT positive cases		553

INDOOR PATIENTS: Bed strength – 54 (FROM 01.11.2020 TO 31.10.2021):

Total Admission	1155
Discharge	977
Bed occupancy	93%
Bed turn over	10.2 days

RESPIRATORY CARE UNIT. Bed Strength - 5 (FIVE). Functioning since 21.06.18.

Admissions FROM 01.11.2020 TO 31.10.2021

Total admission	100
Discharge	31

Total COVID patient diagnosed in indoor isolation ward after admission: 28 and subsequently managed at COVID wing of SNPH

PULMONARY MEDICINE**Indoor Information: Bed strength: 40 at SNPH campus**

Pulmonary Male	
Total admission	160
Total discharge	127
Pulmonary Female	
Total admission	45
Total discharge	37

RESPONSE TO COVID PANDEMIC

Faculties, PDTs of Pulmonary Medicine department has taken special role in treating COVID patients admitted at SNPH campus in ward, HDU and CCU since April 2021

The department of Respiratory Medicine has also contributed in all possible ways to fight the COVID 19 situation by

- 1) Regularly sending faculties and residents at SNPH regularly on call duties and floor duties. The junior residents have been regularly attending CCU and HDU of SNPH on all shifts without a single day break since functioning of the COVID wing of SNPH
- 2) Faculties attending safe home to look after affected health staffs.
- 3) MOs, SR, RMO attending fever clinic at SNP Hospital.
- 4) Maintaining strict distancing in OPD, and IPD and ensuring that all concerned use PPE in OPD & IPD.
- 5) Ensuring safety of all admitted patients by isolating them initially for COVID test.
- 6) Serving non COVID cases by all necessary tests including fiberoptic bronchoscopy, lung biopsy, and RCU care.
- 7) Serving critically ill cases of post COVID lung fibrosis with maintenance of a database.
- 8) In the process maintaining a high morale among all departmental staffs in this crisis situation despite some residents, MO and also one faculty becoming victim of COVID in the process.

INTERVENTIONS

The department manages all forms of respiratory interventions including pleural aspirations, biopsy, intercostals tube drainage, fiberoptic bronchoscopy and lung biopsy, image guided biopsy (USG, CT), spirometry and non-invasive ventilation.

SN	Procedure	Number
1.	Thoracentesis	1310
2.	Pleural Biopsy	192
3.	Intercostal Tube drainage	210
4.	Fiberoptic Bronchoscopy	321
5.	CT/ USG guided lung FNAC/ biopsy	356
6.	Pleurodesis	60
7.	Decortications and other major surgery in collaboration with Dept of CTVS	24
8.	Noninvasive ventilation	119
9	Pleurex catheter	3
