

Pulmonary Medicine (Chest)

The Department of Pulmonary Medicine, 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 neighbouring states as well as neighbouring countries of Nepal and Bangladesh.

STAFF

Faculty

Name	Degrees	Post/ Designation
Dr. Somenath Kundu	MD	Professor
Dr. Surajit Chatterjee	MD, FCCP (USA)	Assistant Professor
Dr. Ritabrata Mitra	MD, FCCP (USA)	Assistant Professor
Dr. Ranjit Kumar Halder	MD	Assistant Professor
Dr. Sauvik Burman	MD	RMO cum Clinical Tutor

Medical Officers

Name	Degrees	Post/ Designation
Dr. Amit Karmakar	MBBS	MO
Dr. Samar Das	MBBS	MO

Junior Residents

SESSION 2014-2017	SESSION 2015-2018	SESSION 2016-2019
Dr. Jyotirmoy Ghanta	Dr. Subhajit Sen	Dr. Subhankar Bera
Dr. Sibkinkar Lala	Dr. Rituparna Bose	Dr. Purnendu Dash
Dr. Somnath Sinharay	Dr. Raiza Hameed	Dr. Arindam Dutta

FACULTY NEWS

Publications in last 3 years

Prof. Somenath Kundu

1. A study of systemic manifestations of COPD in a tertiary care hospital. International Medical Journal Japan, 2016. 23(1) 39-42.
2. A cross-sectional study on different time intervals from the appreciation of symptoms to final diagnosis in inoperable primary lung cancer. An Eastern India Experience. Journal of Association of Chest Physicians 2016.4: 63-70.
3. A study of depression in adult patients with bronchial asthma presenting to a tertiary care hospital in Eastern India. Indian Journal of Chest Diseases and Allied Sciences 2015.57:87-90.

Dr. Surajit Chatterjee

1. A rare case of giant bulla mimicking tension pneumothorax. Journal of Medicine, Bangladesh: 2014.
2. A cross sectional study on different time intervals associated with delay in lung cancer diagnosis. Accepted for publication in Journal of association of chest physicians.

Dr. Ritabrata Mitra

1. A study of systemic manifestations of chronic obstructive pulmonary disease in a tertiary care hospital. International Medical Journal 2016; 23(1) : 39-42.
2. Lipid profile status in COPD and association with IL 8. British Journal of Medicine and Medical Research 2015; 9(7):1-7-18703.
3. Can vitamin D supplementation hasten recovery of tuberculosis? World journal of Pharmaceutical research 2015; 4(2): 1477-90.

4. Evaluation of cardiac biomarkers in detection of cardiomyopathy induced by cardiotoxic chemotherapeutic agents. Kathmandu university medical journal 2015; 12(48):269-74.
5. Common presentation with uncommon diagnosis: Multifocal Epithelioid Hemangioendothelioma. Oman Medical Journal 2015,
6. Oxcarbamazepine induced maculopapular rash—A case report. Journal of clinical and diagnostic research 2015;9(1):01-02.

Dr. Souvik Barman

1. A case of large solitary fibrous tumor of pleura and mediastinum a young man. International Medical Journal Vol 15, No. 5, pp 264-266, Nov 2015.

Conferences attended

Prof. Somenath Kundu

- Convener and examiner MD Pulmonary Medicine 2016 of WBUHS.
- Speaker and chaired sessions in the Annual State Conference of Association of Chest Physicians, State Cytopathology Conference, Annual State Conference of Geriatric Association of India.

Dr. Ritabrata Mitra

- CME and sensitization Programme on Tuberculosis, newer aspect of RNTCP held on World Tuberculosis Day 2016, Nursing staff on 26/10/2016 involving all internees of IPGME&R IN PRESENCE of WHO Consultant.

STUDENT INFORMATION

- Dr. Arnab Sit stood first in MD Pulmonary Medicine Examination 2016 of WBUHS
- Dr. Ritam Chakraborty was awarded Gold Medal for being first in MD Pulmonary Medicine Examination 2015 of WBUHS

ONGOING RESEARCH WORK

- A cross sectional study on risk factors and its relation to outcome in patients admitted with community acquired pneumonia and health care associated pneumonia (Prof. S Kundu, Dr. Shibkinkar Lala)
- A prospective study on impact of diabetes mellitus on spectrum and outcome of tuberculosis in a tertiary care hospital. (Prof. S Kundu, Dr. Jyotimoy Ghanta)
- An observational study on Central nervous system manifestations of tuberculosis and non tubercular pulmonary diseases in a tertiary care hospital (Prof. S Kundu, Prof. Pulak kumar jana, Dr. Somnath Sinha Roy)
- A study on changes of clinical and arterial blood gas parameters in patients of primary and secondary spontaneous pneumothorax before and after tube thoracostomy. (Prof. S Kundu, Dr. Subhojit Sen).
- A study of risk factors of lung cancer and its relation with pathological types and staging. (Prof. S Kundu, Dr. Surajit Chatterjee, Dr. Rituparna Bose)
- A study on factors associated with hospitalization among tuberculosis patients: A cross sectional study in a tertiary care hospital. (Prof. S Kundu, Dr. Ritabrata Mitra, Dr. Raiza Hameed)
- A study on diagnostic importance of Cartridge Based Nucleic Acid Amplification Test in pulmonary and extra pulmonary tuberculosis (Prof. S Kundu, Dr. Subhankar Bera)
- Role of fibreoptic Bronchoscopy and thoracic computerized tomography in the diagnostic work up of cases of moderate to severe hemoptysis admitted in a tertiary care hospital (Prof. S Kundu, Dr. Surajit Chatterjee, Dr. Purnendu Dash)
- A study on etiology and diagnostic modalities for cases with solitary pulmonary opacity in chest roentgenogram (Prof. S Kundu, Dr. Ritabrata Mitra, Dr. Arindam Dutta).

Conferences attended

- All the faculty members attended state pulmonary conference ACPCON 2016 at Kolkata. One of the faculty members were speakers in the said conference.
- All junior residents attended state pulmonary conference ACPCON 2015 at Kolkata. 2nd year residents presented clinical cases and 3rd year residents presented their dissertation topics in the conference.
- Two final year post graduate trainees attended national pulmonary conference NAPCON 2016 at Mumbai. They presented their dissertation topics in the conference.
- One faculty member attended national pulmonary conference NAPCON 2016 at Mumbai as speaker and chairperson and speaker in IAACON 2016 at Kolkata.
- One faculty member attended European Respiratory Conference 2016 at London.

SERVICE INFORMATION

Present unit composition and OPD days:

Unit	Name	OPD days
I A	Prof. (Dr.) SomenathKundu	Monday , Thursday 1st, 3rd, 5th
I B	Dr.Surajit Chatterjee Assistant. Professor	Tuesday, Friday: 2nd, 4th, 5th (rotational)
I C	Dr. Ritabrata Mitra Assistant. Professor	Wednesday, Friday: 1st, 3rd, 5th (rotational)
I D	Dr. Ranjit Kumar Haldar Assistant Professor	Saturday, Thursday 1st, 3rd

OPD attendance

OPD	New patients (37,812)	Male:	23456
		Female:	14356
OPD	Old patient (16,208)	Male:	10172
		Female:	6036
Total: 54,020			
Nebulisation and other emergency care			3010
Thoracocentesis-			975

Spirometry

OPD	8055
Indoor cases specially preoperative cases of SSKM and BIN	859

RNTCP services and DOTS clinic

Total No. of sputum examined	2265
Total No of Sputum positive	208
CBNAAT study of pulmonary and extra pulmonary cases	550
Total MDR TB cases diagnosed	13
Total Indoor Patients put on DOTS	457
Total Outdoor Patients given DOTS from SSKM PHI	76
Total Patients refer outside Kolkata	789
Total patient refer within Kolkata	380

Indoor patients

Bed strength : 54

Total Admission	1360
Cases with successful outcome	1006
Bed occupancy	96%
Bed turnover	11.5 days

INTERVENTIONS

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

SI No.	PROCEDURE	NO.
1.	Thoracocentesis	623
2.	Pleural Biopsy	136
3.	Intercostal Tube drainage	285
4.	Fibreoptic Bronchoscopy	350
5.	CT/ USG guided lung FNAC/ biopsy	156
6.	Pleurodesis	48
7.	Decortications and other major surgery in collaboration with Deptt of CTVS	51
8.	Noninvasive ventilation and critical care	567

The Department conducted sensitization programmes on RNTCP of Nursing personnel under the GFATMRT project supported by Indian Nursing Council.
