

## Pulmonary Medicine (Chest)

The Department of Respiratory Medicine, also called the Department of Pulmonary or Chest Medicine, caters to all forms of respiratory disorders among patients attending on OPD basis or admitted. Cases are referred not only from various districts of the state but also from neighboring states of Orissa, Bihar, Assam and Tripura.

### 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. Swapnendu Misra	MD	RMO cum Clinical Tutor
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 2013-2016	SESSION 2014-2017	SESSION 2015-2018
Dr. Sonali Parida	Dr. Jyotirmoy Ghanta	Dr. Subhajit Sen
Dr. Pratik Biswas	Dr. Sibkinkar Lala	Dr. Rituparna Bose
Dr. Arnab Sit	Dr. Somnath Sinharay	Dr. Raiza Hameed

### FACULTY NEWS

#### Publications in last 3 years

##### Prof. Somenath Kundu

1. Spectrum of diffuse parenchymal lung disease with special reference to idiopathic pulmonary fibrosis and connective tissue disorder: An Eastern India experience. Lung India 2014; 31(4): 354-360.
2. A study on prevalence of depression and correlation between severity of depression and severity of asthma (Both subjective and objective) in adult asthma patients attending in a tertiary care hospital in Eastern India. Indian Journal of Chest Diseases and Allied Sciences 2015; 57(2).

##### 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. Lipid profile status in COPD and association with IL 8. British Journal of Medicine and Medical Research 2015; 9(7):1-7-18703.
2. Can vitamin D supplementation hasten recovery of tuberculosis? World journal of Pharmaceutical research 2015; 4(2): 1477-90.
3. Value of assessing postprandial and fasting plasma glucose as a surrogate marker for glycosylated hemoglobin in diabetic glycemic control. World journal of Pharmaceutical research 2014; 3(9): 494-503.
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 Epitheloid Hemangioendothelioma. Oman Medical Journal 2015.
6. Oxcarbamazepine induced maculopapular rash—A case report. Journal of clinical and diagnostic research 2015;9(1):01-02.
7. Tuberculosis is associated with low level of vitamin D. World Journal of Pharmacy and Pharmaceutical sciences 2014; 3(2); 1449-1463.
8. Role of aminophylline in Doxorubicin induced cardiotoxicity in animal model. World journal of Pharmacy and Pharmaceutical sciences. 2014: 3(6) 1201-1212.
9. Association of vitamin D status in chronic obstructive pulmonary disease and its explanatory variables in Burdwan. World journal of Pharmaceutical research 2014; 3(1): 658-674.
10. Kikuchi Disease: a rare variety. International Journal of Health sciences and research 2013; 3 (12):181-184.
11. Erasmus syndrome: a case report of silicosis induced scleroderma in a 26 year old male. Oman Medical journal 2013.
12. Severe paraneoplastic peripheral blood eosinophilia and eosinophilic pleural effusion. International Medical Journal, Japan, 2013.
13. Spectrum of diffuse parenchymal lung disease with special reference to idiopathic pulmonary fibrosis and connective tissue disorder: An Eastern India experience. Lung India 2014: 31(4): 354-360.
14. Guillain Barre Syndrome following falciparum malaria: a rare association. Ind J Med Res 2013; 1(3): 14-16
15. A 42 year old male with Os Odontoideum presented with sudden onset quadriplegia after minor injury to neck. Journal of the Association of Physicians of India Vol 61, issue 2, 2013
16. Staphylococcal septicemia associated with peripheral neuropathy in three different clinical settings. Journal of the Association of Physicians of India Vol 61, issue 3, 2013.
17. TB-HIV coinfection profile & impact of RNTCP and NACP liaison in the setting of free home based antiretroviral therapy in a rural tertiary teaching hospital in India. International Medical Journal Japan 2013, volume 20, issue 3.

#### **Dr. Swapnendu Misra**

1. A study on prevalence of depression and correlation between severity of depression and severity of asthma (Both subjective and objective) in adult asthma patients attending in a tertiary care hospital in Eastern India. Indian Journal of Chest Diseases and Allied Sciences 2015, volume 57, issue 2.
2. Common presentation with uncommon diagnosis: Multifocal Epitheloid Hemangioendothelioma. Oman Medical Journal 2015,
3. 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.
4. Pulmonary-Renal syndrome in a case of Wegener's Granulomatosis. Indian Journal of Chest Diseases and Allied Sciences 2013, volume 55, issue 3.
5. Mediastinal Myelolipoma in a 65 year old female patient. International Medical Journal Japan 2013, volume 20, issue 3.
6. TB-HIV coinfection profile & impact of RNTCP and NACP liaison in the setting of free home based antiretroviral therapy in a rural tertiary teaching hospital in India. International Medical Journal Japan 2013, volume 20, issue 3.

#### **Conferences attended**

- All the faculty members attended state pulmonary conference ACPCON 2015 at Kolkata. Two of the faculty members were speakers in the said conference.
- All junior residents attended state pulmonary conference ACPCON 2015 at Kolkata. 2<sup>nd</sup> year residents presented clinical cases and 3<sup>rd</sup> year residents presented their dissertation topics in the conference.
- Three final year post graduate trainees attended national pulmonary conference NAPCON 2015 at Jaipur. They presented their dissertation topics in the conference.
- One faculty member attended national pulmonary conference NAPCON 2015 at Jaipur as speaker.
- Two faculty members attended European Respiratory Conference 2015 at Amsterdam.
- Prof Somenath Kundu attended ZTF Session RNTCP in November 2015 and participated in OR workshop.

#### **ONGOING RESEARCH WORK**

- Investigation modalities for establishment of etiological diagnosis of pleural effusion among patients admitted in a tertiary care hospital.
- A study on diagnostic modalities and differential diagnosis of smear negative pulmonary tuberculosis.
- 25 hydroxy vitamin D level in tuberculosis: A cross sectional study in a tertiary care hospital.
- An observational study on Central nervous system manifestations of tuberculosis and non tubercular pulmonary diseases in a tertiary care hospital.
- A cross sectional study on risk factors and its relation to outcome in patients admitted with community acquired pneumonia and health care associated pneumonia.
- A prospective study on impact of diabetes mellitus on spectrum and outcome of tuberculosis in a tertiary care hospital..
- A study on changes of clinical and arterial blood gas parameters in patients of primary and secondary spontaneous pneumothorax before and after tube thoracostomy.
- A study of risk factors of lung cancer and its relation with pathological types and staging.
- A study on factors associated with hospitalisation among tuberculosis patients: A cross sectional study in a tertiary care hospital.

## SERVICE INFORMATION

INDOOR: Total Bed: **54**  
 Pulmonary Function Lab: Total No. of PFT done (01.01.15 10.12.12): **5422**

Present unit composition and OPD days:

Unit	Name	OPD days
I A	Prof. (Dr.) Somenath Kundu	Monday , Thursday
I B	Dr. Surajit Chatterjee Assistant. Professor	Tuesday, Friday: 2 <sup>nd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> (rotational) Saturday: 1 <sup>st</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> (rotational)
I C	Dr. Ritabrata Mitra Assistant. Professor	Wednesday, Friday: 1 <sup>st</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> (rotational) Saturday: 2 <sup>nd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> (rotational)

OPD New patients total (30,022)	Male	20943
	Female	12898
OPD Old patient total (12,108)	Male	7747
	Female	4498
Total OPD attendance		46,086
Total Nebulisation -		1425
Total Thoracocentesis-		787
Total Sputum Examination		3173
Total No of Sputum positive		258
Total Indoor Patients put on DOTS		124
Total Outdoor Patients given DOTS from SSKM PHI		26
Total Patients refer outside Kolkata		829
Total patient refer within Kolkata		237
Total patient Transfer out		51

**IDOOR PATIENTS**

Total Admission	1326
Total Discharge	1004
Total Death	170
Total DORB	76
Total Transfer in	52
Total Transfer Out	40
Absconded	2

**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.

<b>SN</b>	<b>Procedure</b>	<b>No.</b>
1.	Thoracocentesis	1568
2.	Pleural Biopsy	110
3.	Intercostal Tube drainage	290
4.	Fiberoptic Bronchoscopy	216
5.	CT/ USG guided lung FNAC/ biopsy	479
6.	Pleurodesis	39
7.	Decortications and other major surgery in collaboration with Dept of CTVS	35
8.	Noninvasive ventilation	240

The Department conducted sensitization programmes on RNTCP of Nursing personnel under the GFATMRT project supported by Indian Nursing Council involving 100 members in 15 sessions.

---