**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**

<table>
<thead>
<tr>
<th>Name</th>
<th>Degrees</th>
<th>Post/ Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Somenath Kundu</td>
<td>MD</td>
<td>Professor</td>
</tr>
<tr>
<td>Dr. Surajit Chatterjee</td>
<td>MD, FCCP (USA)</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Dr. Ritabrata Mitra</td>
<td>MD, FCCP (USA)</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Dr. Ranjit Kumar Haldar</td>
<td>MD</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Dr. Sauvik Burman</td>
<td>MD</td>
<td>RMO cum Clinical Tutor</td>
</tr>
</tbody>
</table>

**Medical Officers**

<table>
<thead>
<tr>
<th>Name</th>
<th>Degrees</th>
<th>Post/ Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Amit Karmakar</td>
<td>MBBS</td>
<td>MO</td>
</tr>
<tr>
<td>Dr. Samar Das</td>
<td>MBBS</td>
<td>MO</td>
</tr>
</tbody>
</table>

**Junior Residents**

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>Dr. Jyotirmoy Ghanta</td>
<td>Dr. Subhajit Sen</td>
<td>Dr. Subhankar Bera</td>
</tr>
<tr>
<td>Dr. Sibkinkar Lala</td>
<td>Dr. Rituparna Bose</td>
<td>Dr. Purnendu Dash</td>
</tr>
<tr>
<td>Dr. Somnath Sinharay</td>
<td>Dr. Raiza Hameed</td>
<td>Dr. Arindam Dutta</td>
</tr>
</tbody>
</table>

**FACULTY NEWS**

**Publications in last 3 years**

**Prof. Somenath Kundu**


**Dr. Surajit Chatterjee**

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**


Dr. Souvik Barman

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.Jyortimoy 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:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Name</th>
<th>OPD days</th>
</tr>
</thead>
<tbody>
<tr>
<td>I A</td>
<td>Prof. (Dr.) Somenath Kundu</td>
<td>Monday, Thursday 1st, 3rd, 5th</td>
</tr>
<tr>
<td>I B</td>
<td>Dr. Surajit Chatterjee</td>
<td>Tuesday, Friday: 2nd, 4th, 5th (rotational)</td>
</tr>
<tr>
<td>I C</td>
<td>Dr. Ritabrata Mitra</td>
<td>Wednesday, Friday: 1st, 3rd, 5th (rotational)</td>
</tr>
<tr>
<td>I D</td>
<td>Dr. Ranjit Kumar Haldar</td>
<td>Saturday, Thursday 1st, 3rd</td>
</tr>
</tbody>
</table>

OPD attendance

<table>
<thead>
<tr>
<th>OPD</th>
<th>Male:</th>
<th>Female:</th>
</tr>
</thead>
<tbody>
<tr>
<td>New patients</td>
<td>23456</td>
<td>14356</td>
</tr>
<tr>
<td>Old patient</td>
<td>10172</td>
<td>6036</td>
</tr>
<tr>
<td>Total: 54,020</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Nebulisation and other emergency care: 3010
- Thoracocentesis: 975

Spirometry

<table>
<thead>
<tr>
<th>OPD</th>
<th>Male:</th>
<th>Female:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor cases</td>
<td>8055</td>
<td>859</td>
</tr>
</tbody>
</table>

RNTCP services and DOTS clinic

<table>
<thead>
<tr>
<th>Service</th>
<th>Male:</th>
<th>Female:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total No. of sputum examined</td>
<td>2265</td>
<td></td>
</tr>
<tr>
<td>Total No. of Sputum positive</td>
<td>208</td>
<td></td>
</tr>
<tr>
<td>CBNAAT study of pulmonary and extra pulmonary cases</td>
<td>550</td>
<td></td>
</tr>
<tr>
<td>Total MDR TB cases diagnosed</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Total Indoor Patients put on DOTS</td>
<td>457</td>
<td></td>
</tr>
<tr>
<td>Total Outdoor Patients given DOTS from SSKM PHI</td>
<td>76</td>
<td></td>
</tr>
<tr>
<td>Total Patients refer outside Kolkata</td>
<td>789</td>
<td></td>
</tr>
<tr>
<td>Total Patients refer within Kolkata</td>
<td>380</td>
<td></td>
</tr>
</tbody>
</table>
Indoor patients

**Bed strength : 54**

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Total Admission</td>
<td>1360</td>
</tr>
<tr>
<td>Cases with successful outcome</td>
<td>1006</td>
</tr>
<tr>
<td>Bed occupancy</td>
<td>96%</td>
</tr>
<tr>
<td>Bed turnover</td>
<td>11.5 days</td>
</tr>
</tbody>
</table>

**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.

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

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