

# **Department of Pulmonary Medicine**

## **Departmental Profile**

### **Introduction**

- Established in 1990.
- Running DOTS under RNTCP since 2000 with increasing case detection and treatment including MDR cases.
- Received grant of Rs. 20 lakhs in 2005 from GAIL for starting Air Pollution related respiratory disease diagnostic centre.
- PG course (MD- Pulmonary Medicine) started in May 2010.
- Video bronchoscope installed in OCT 2012.

### **Faculty**

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|---------------------------------|---------------------|
| 1. Dr.Ram B Deoskar             | Professor & H.O.D   |
| 2. Dr.Medha D Bargaje           | Professor           |
| 3. Dr.Anita T Anokar            | Assistant Professor |
| 4. Dr. Sayali Vilas Bhambar     | Senior Resident     |
| 5. Dr. Sachin Kashinath Pansare | Senior Resident     |

### **Teaching Activities**

#### **Post Graduates-**

- Journal Club-Monthly.
- Lung Society Meeting – Monthly 1<sup>st</sup> Wed on last day.
- Case Presentation/Bedside Clinic- Once a week.
- Theory Seminar-Once a week.
- Inter-departmental programs with Medicine & Radiology departments being held.
- 6 Monthly PG assessment.
- College & Departmental library well stocked with latest books & Journals.

#### **Undergraduates**

- 4<sup>th</sup> Semester – 22 Theory lectures on Thursday 8.30am.
- 7<sup>th</sup> Semester – Clinical Posting – 2 weeks with test on last day.
- 8<sup>th</sup> Semester – 15 Theory lectures on Monday 2 pm

## **Research Work -Publications**

### **1] Foreign Body Aspiration and its removal using Fiber optic Bronchoscope**

C.Simon,RB Deoskar,MD Bargaje,SP Rai Lung India 30 (Supplement- 1) , S-57. 2013.

### **2] A Study of etiological and clinical profile of community acquired pneumonia in a tertiary care hospital in western India.**

R Sharma,R Deoskar,M Bargaje,P Kumar, Y Agarwal . European Respiratory Journal 42 ( Suppl 57), P2766.2013.

### **3] Cost of therapy incurring for tuberculosis patients receiving directly observed therapy (DOT)**

M Sajith,A Thomas, JJ Kothia, B Chandrakar,A Pawar,MD Bargaje. International Journal of Pharmacy and Pharmaceutical Sciences 7 (11).2015.

### **4] Socio-Demographic characteristics of tuberculosis patients in a tertiary care hospital**

M.Sajith,A Thomas,JJ Kothia,B Chandrakar , MD Bargaje . International Journal of Medical and Health Research Vol 1;Issue 3;Oct 2015;Page 25-28. 2015.

### **5] Evaluation of Pulmonary Function In Rural Women Exposed To Biomass Fuel In Western India**

S. Singh, M. D. Bargaje, R. B. Deoskar, A. T. Anokar. Am J Respir Crit Care Med 193;2016:A7664.2016.

### **6] Reasons for Non-Adherence in Bronchial Asthma**

Caroline Simon, Ram Balkrishna Deoskar, Medha Deepak Bargaje, Anita Tushiramji Anokar. International Journal of applied research Vol. 6 Issue 6 ; June 2016;68-72 :2016.

### **7] PEFr (Peak Expiratory Flow Rate) - As A Screening Tool in Women Exposed to Biomass Fuel in Rural Maharashtra, India.**

Singh S Bargaje M D , Deoskar R B ,Anokar A T IJSR International Journal of Scientific Research 2016; 5:200 - 202.

**8] Comparative Report On Pulmonary Functions in Rural and Urban Women in Western Maharashtra , India- A Time for Screening Rural Population.**

Bargaje M D , Singh S, Anokar A T , Deoskar R B, Sane S. Evolution Med. Dent. Sci 2017; 6: 25-30.

**9] Pulmonary actinomycosis in a postlobectomy patient-rare sequelae.**

Anokar AT, Bargaje MD, Singh S and Deoskar R B. Indian J Thorac Cardiovasc Surg (January –March 2017)33(1):48-51.

**9] Clinical Profile of Parapneumonic Effusion and Empyema at a Tertiary Center in Western India- “Changing Behavior of Microorganisms in Superbug Era”.**

Singh S, Bargaje M D , Deoskar R B , Anokar A T , SM J Pulm Med 2017; 3:(1):1028.

**10] Assessment of Outcome of Training of Paramedical Staff in Nebulization Techniques at a Tertiary care Hospital**

Bargaje M D , Chidgupkar K M, Anokar A T , Deoskar R B , Singh S. J Respir Med 2018 ; 2:1. (accepted for publication ) April 23,2018.

**Ongoing Research Work – Excluding Thesis**

1] “To evaluate a novel diagnostic kit for detecting tuberculosis in patients with pulmonary disorders” This project is a collaboration between the

- Department of Pulmonary Medicine, Bharati Vidhyapeeth’s Medical College, Pune (BVMC Pune)
- Revised National Tuberculosis Control Programme (RNTCP)
- Annweshan SciTech Pvt Ltd (Biotechnology start Up focussing on Healthcare), B 203, Riverine Greens, Pashan-Sus Road, Pune-411021 & the laboratory incubated in “Venture Center, Pune (Lab Bay 6, 300 NIP; 100 NCL Innovation Park, Dr. Homi Bhabha Road, Pune-411008)”

2] “Whole genome sequencing of Mycobacterium tuberculosis in drug resistant AFB culture isolates- Pilot Study”. This project is a collaboration between the

- Department of Pulmonary Medicine, Bharati Vidyapeeth's Medical College, Pune (BVMC Pune)
- Revised National Tuberculosis Control Programme (RNTCP)
- GenePath Dx (Causeway Healthcare Private Limited), Phadke Hospital, 1260/B, Jangli Maharaj Road, Shivaji Nagar, Pune. (GENEPATH)

3] "Evaluation of antitubercular drug levels in TB patients treated with daily regimens under RNTCP in INDIA." This project is a collaboration between the

- Department of Pulmonary Medicine, Bharati Vidyapeeth's Medical College, Pune (BVMC Pune)
- Revised National Tuberculosis Control Programme (RNTCP)
- Poona College of Pharmacy Bharati Vidyapeeth (Deemed to be) University, Paud Road, Erandawane, Pune-411 038. Maharashtra, India.

### Specialty Clinics

S.No.	Name of the Clinic	Days on which held	Timings
1	Respiratory Rehabilitation /COPD	Tuesday	9 am to 4pm
2	Asthma	Monday	9 am to 4pm
3	Bronchoscopy	Daily	9 am to 4pm
4	DOTs	Daily	9 am to 4pm
5	PFT	Daily	9 am to 4pm

### Outreach activities

- Free Spirometry camps within and outside the hospital.
- Lectures taken for GPs on topics like Tuberculosis, Asthma, and COPD within the hospital and outside hospital.
- Participating in camps organized by Bharati Hospital.

### DOTS

- Grant of Rs 20,000 received in 2013 from DTO for Study on Clinical profile and response to anti-tubercular treatment in patients of lymph node TB attending OPD of Bharati Hospital.

- RNTCP training of interns, PG students, Medical officers, Paramedical staffs and Faculty being done.
- World TB Day (24 March every year) – Poster exhibition, Essay competition, Rangoli competition held for Nurses, Nursing students and Medical students. Patient education lectures held in the department.

### **Innovative Teaching for UG**

- World Asthma Day Quiz held every year for 8<sup>th</sup> semester.
- World TB Day – Poster competition for medical students.
- RNTCP orientation programme for interns jointly with community medicine and microbiology departments.

### **Faculty Development Programs**

Attending various National /International conferences and workshops.

### **PG Development Programs**

Attending various National /International conferences and workshops