

**DEPARTMENT OF PULMONARY
MEDICINE (TB & CD)**

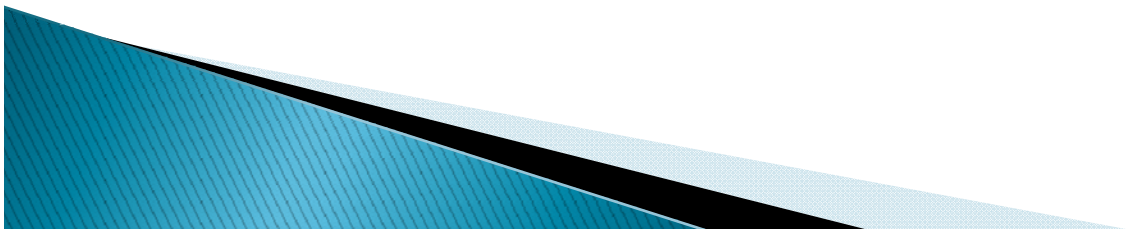
**RAJARAJESWARI MEDICAL COLLEGE
& HOSPITAL
KAMBIPURA, BANGALORE-560074**





Year of establishment---2005 programs offered

- ▶ UG MBBS
- ▶ PG M.D., (Respiratory Medicine)





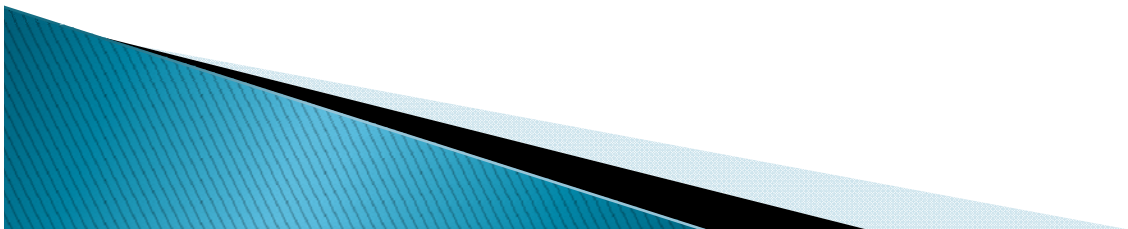
Interdisciplinary programs and departments involved-

- Respiratory Medicine
- Internal medicine,
- Pediatrics
- Anesthesiology
- Physiology
- Obstetrics & Gynecology
- Orthopedics



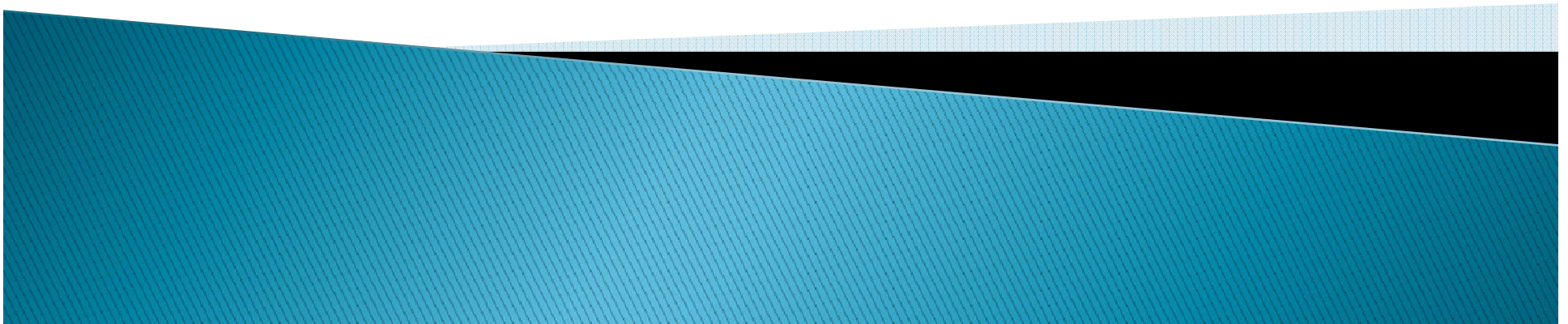
Examination System:

- UG as per RUGHS curriculum
- MD as per RUGHS curriculum





Staff



Faculty profile



Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. K.N.Mohan Rao	M.D. D.T.C.D	Prof.& HOD	Pulmonary Medicine	UG 30 yrs PG 21 yrs
Dr. Y.Laxman	M.D. (Gen) M.D. (Chest)	Professor		UG 33 yrs PG 27 yrs
Dr. Karnappa Bhangari	M.D.(TB&CD)	Assoc. Prof		18 Yrs
Dr. K.P.Raju	D.T.C.D	SR		30 yrs
Dr. Husna Azmi	M.B.B.S	JR	----	1 yr

Professor & HOD



Dr.K.N.Mohan Rao

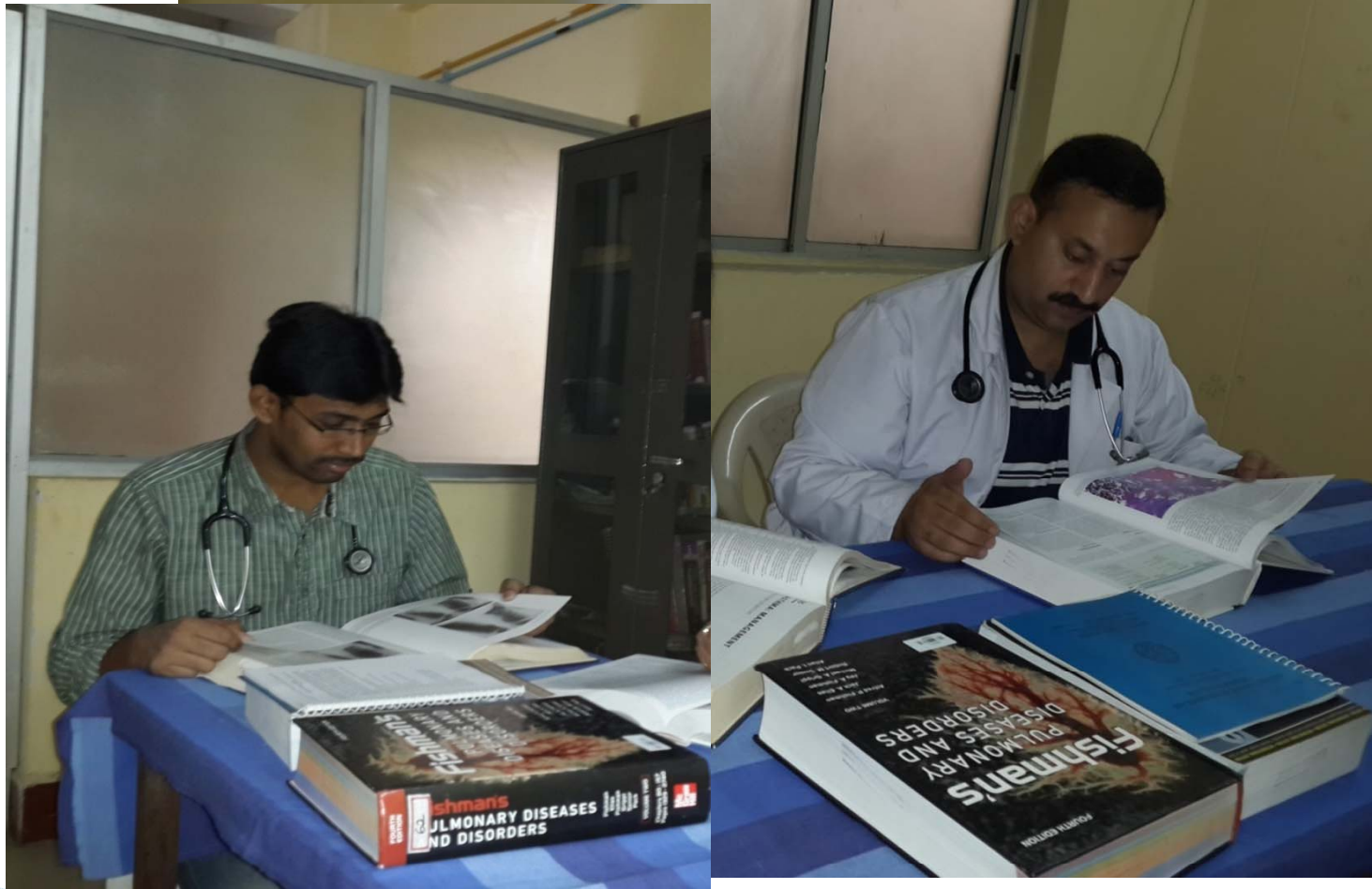
Teaching Staff



Professor & HOD



PG's Dept of Pulmonology





SUPPORTING STAFF

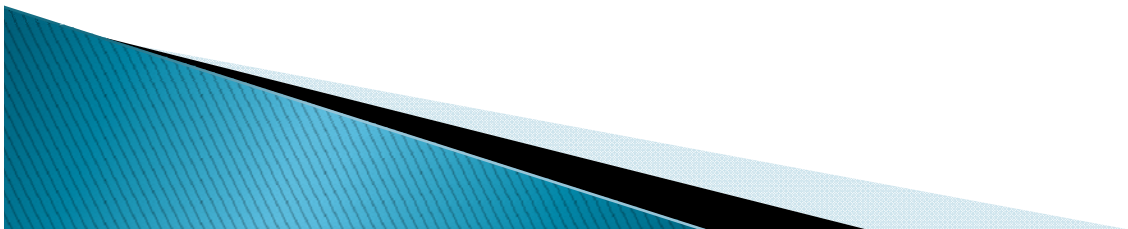
- 1. Computer Operator-- K.Vasanthapriya**
- 2. Attender-- Sumathi.S**

Nursing Staff

- 1. Mala S**

Paramedical staff

- 1. Kusuma (TBHV)**
- 2. Ranganath D S (Lab technician)**



Nursing Staff

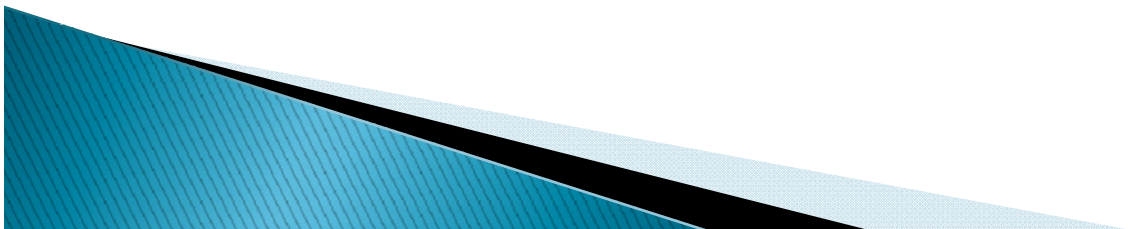


Paramedical Staff



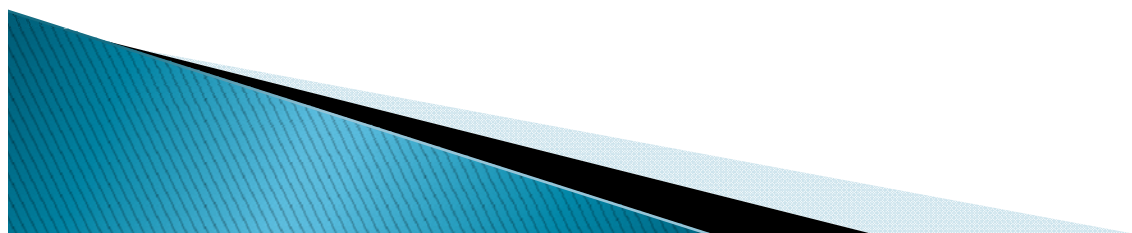


Designated DOTS Centre



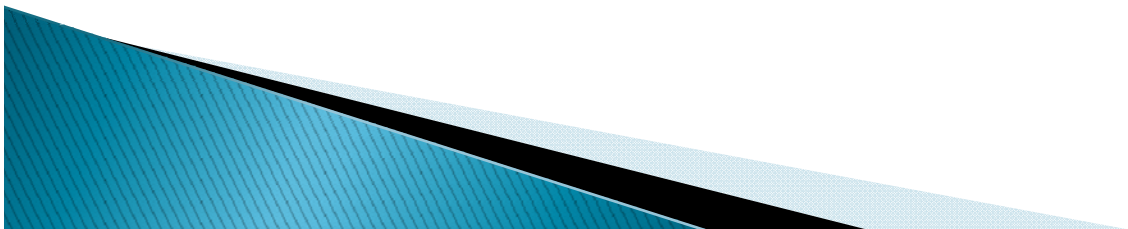


- ▶ The department is actively involved in implementing RNTCP DOTS program
- ▶ RRMCH Respiratory medicine department is a designated microscopy center with diagnostic and treatment facilities for TB patients.





- “RNTCP” program started at RRMCH in April 2006.
- Program started as DMC and DOTS center.
- The center is under administrative control of District TB officer Bengaluru Urban District Centre.
- The treatment and investigations are free in the centre.



Following is the data of DOTS Centre



SI	YEAR	NO OF CASES TREATED
1.	2006	65
2.	2007	94
3.	2008	121
4.	2009	107
5.	2010	212
6.	2011	305
7.	2012	377
8.	2013 till October	279

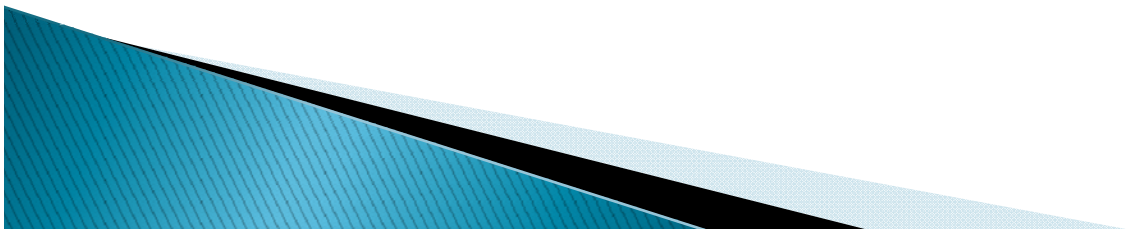
RNTCP DOTS





Research Collaboration

**Sputum DST for
defaulters at IRL
laboratory at SDS
sanatorium, Bangalore**



LAB



RNTCP DOTS



RNTCP DOTS



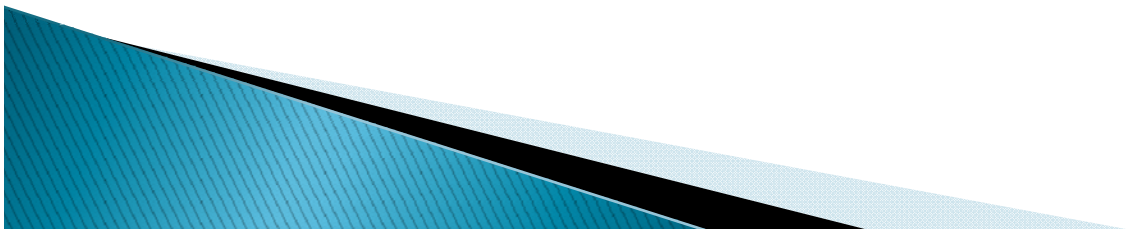
Publications



Dr. Mohan Rao K.N.

International—1

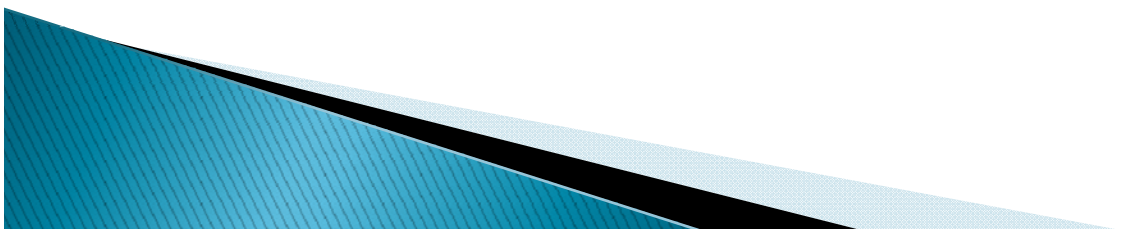
National—6



INTERNATIONAL PUBLICATIONS



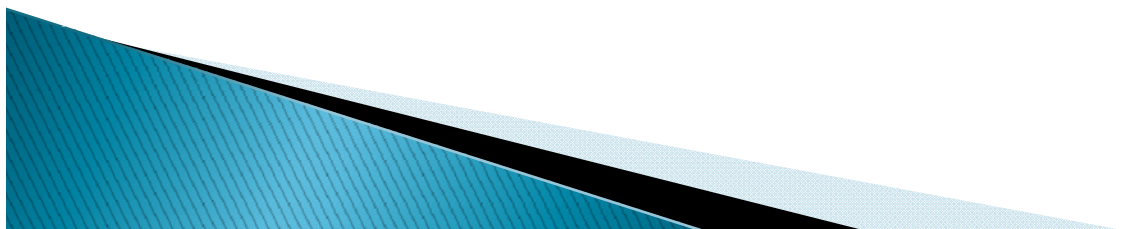
SL.NO	TOPIC	NAME OF JOURNAL	YEAR
1.	Blymphocytes from patients with tuberculosis exhibit hampered antigen-specific responses with concomitant over expression of interleukin-b	THE JOURNAL OF INFECTIOUS DISEASES	2009:200:481-2



NATIONAL PUBLICATIONS

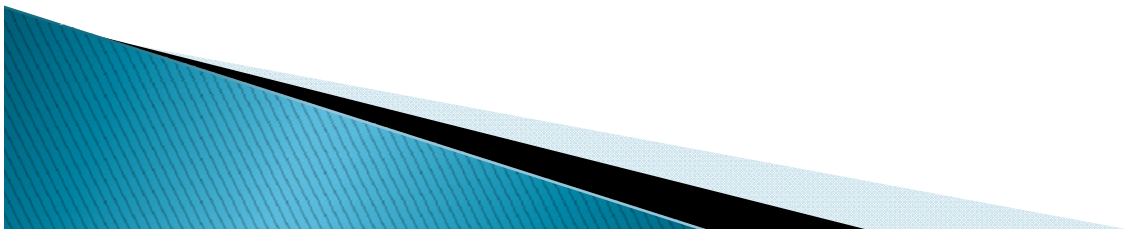


SL.NO	TOPIC	NAME OF JOURNAL	YEAR
1	Contributed a topic 'some facts about asthma'	NIRANTARA JOURNAL FOR GP'S	2005
2	Evaluation of serum immunoglobulin e levels in bronchial asthma	LUNG INDIA	VOL.27, ISSUE 3, JULY-SEPTEMBER 2010
3	Rituximab induced subacute interstitial pneumonitis	JOURNAL OF CANCER RESEARCH AND THERAPEUTICS	Vol6,issue3,July-Sep 2010
4	diagnosis of plmd from increased Pulse rate variability on overnight pulse oximetry	NATURE AND SCIENCE OF SLEEP	2:107-114, 201-
5	Case report of congenital alveolar microlithiasis	LUNG INDIA	ACCEPTED
6	Pulmonary mucormycosis with vocal cord palsy	RESPIRATORY MEDICINE CASE REPORTS	9(2013) PAGE 15-17





Seminars, Conferences & Workshops





Seminars, Conferences & Workshops

Dr. K.N.Mohan Rao

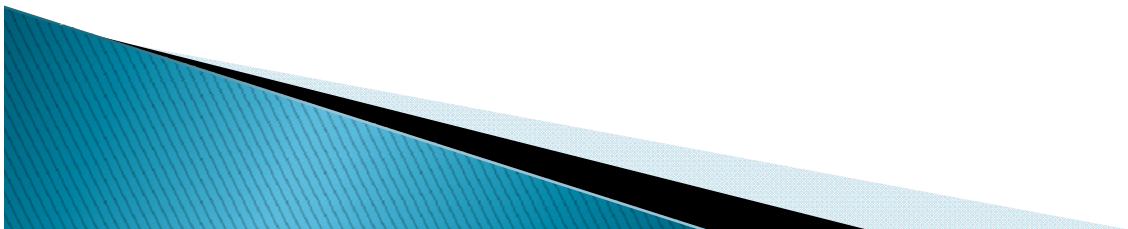
- ▶ NAPCON: Bangalore -1995
- ▶ NAPCON: Varanasi-1997
- ▶ NAPCON: Bombay-2000
- ▶ NAPCON: Coimbatore-2001
- ▶ NAPCON: Ahmedabad-2005
- ▶ NAPCON: Chandigarh-2007
- ▶ NAPCON: Luknow-2008
- ▶ NAPCON: Calicut-2010
- ▶ NAPCON: Jodhpur-2011
- ▶ NAPCON: Chennai-2013
- ▶ Bronchocon: Hyderabad-2003
- ▶ IAAP: Bangalore -2011
- ▶ ERS: Bangalore-2011
- ▶ ERS: Chennai- 2012

FACULTY PG UPDATES CHAIRMAN CME

Dr.K N Mohan Rao



- ▶ Vellore-2006
- ▶ Calicut-2010
- ▶ Chennai-2011
- ▶ Calicut-2012



As PG Examiner



PG EXAMINER FOR M.D. (CHEST)

- ▶ Andhra Medical College, Vizag :AP
- ▶ Osmania Medical College, Hyderabad: AP
- ▶ SV Medical College, Tirupati: AP
- ▶ Narayana Medical College, Nellore: AP
- ▶ Kurnool Medical College, Kurnool: AP
- ▶ Kamineni Medical College, Hyderabad: AP
- ▶ Siddhartha Medical College, Vijayawada: AP
- ▶ Calicut Medical College, Kozhikode: Kerala
- ▶ Trivendrum Medical college, Trivendrum:Kerala

PG EXAMINER DNB (CHEST)

- ▶ RG KAR Medical College, Kolkata- April-2013
- ▶ RG KAR Medical College, Kolkata-September-2013

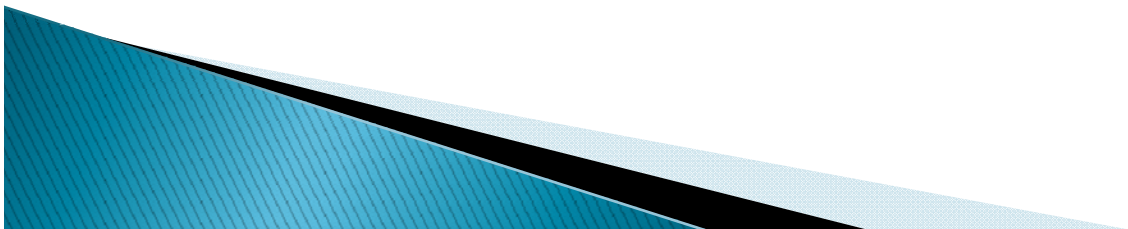


Library

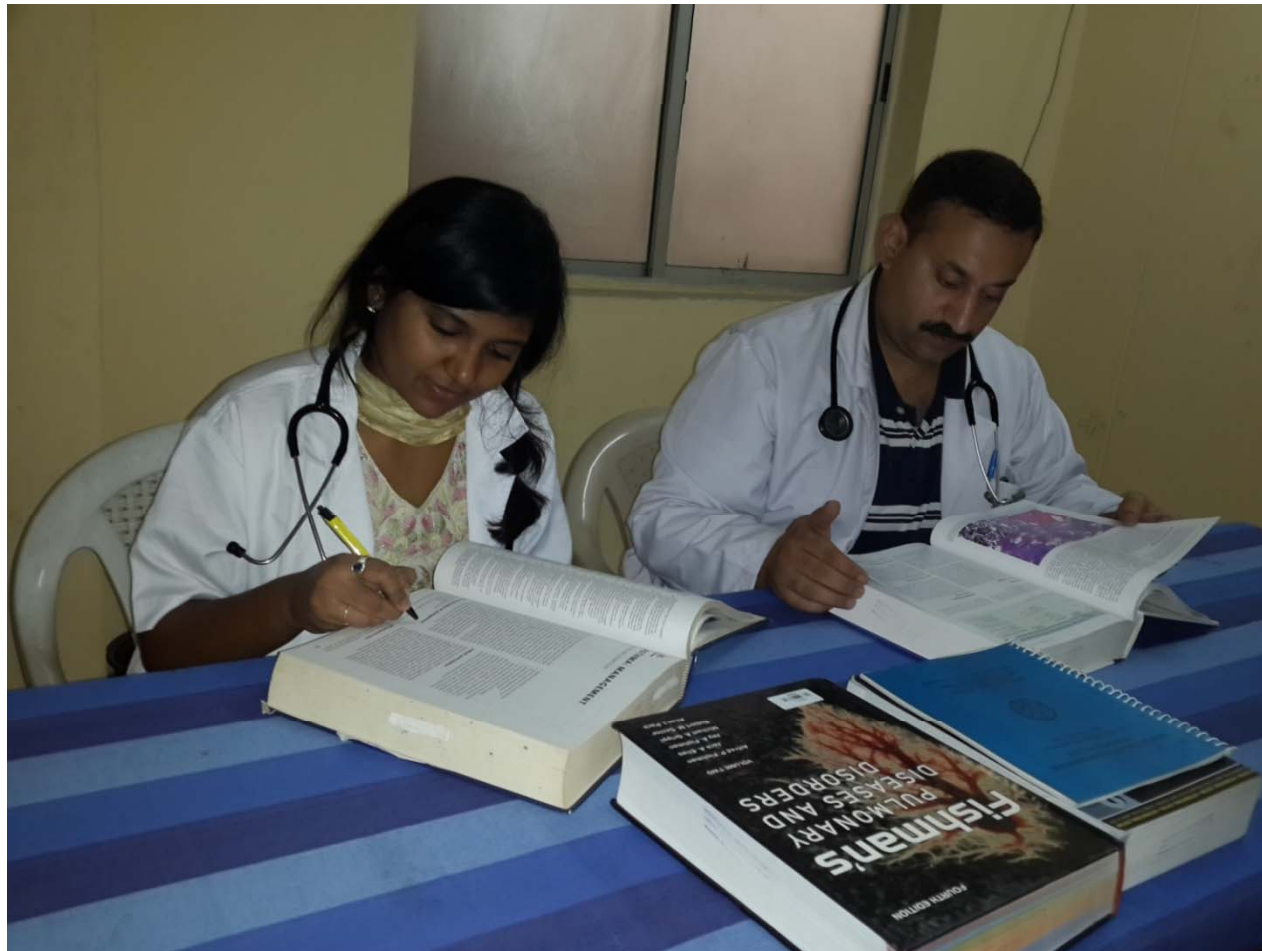
Departmental: 114 Books

Central Library: 303 Books

[Click to open Hyperlinks](#)



LIBRARY



Department- infrastructure



HOD Room-1

Staff rooms - 2

Class rooms-2

OPD rooms-3

Seminar room-1

RNTCP lab – 1

Research lab -1 (central)

Wards-3



WARDS



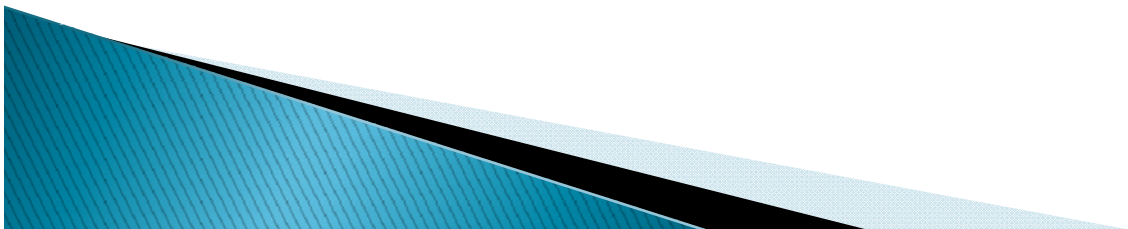
ICU



Procedures



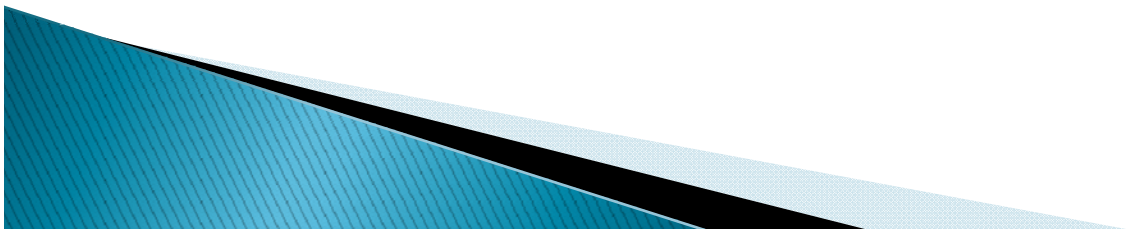
▶ PFT'S	138
▶ Plural Aspirations	45
▶ Intercostals Drainage Tube	11
▶ Fiberoptic Bronchoscopy	10
▶ Lung Biopsies	06





Services

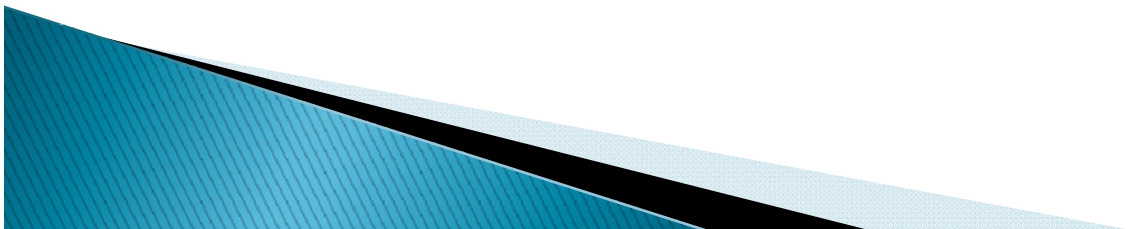
- ▶ Free sputum examination for TB patients



Services

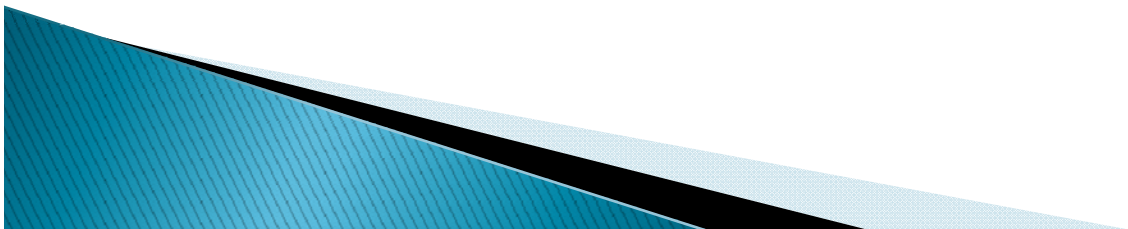


- ▶ Free DOTS Service
- ▶ Free prophylaxis for TB
- ▶ Free ICTC testing



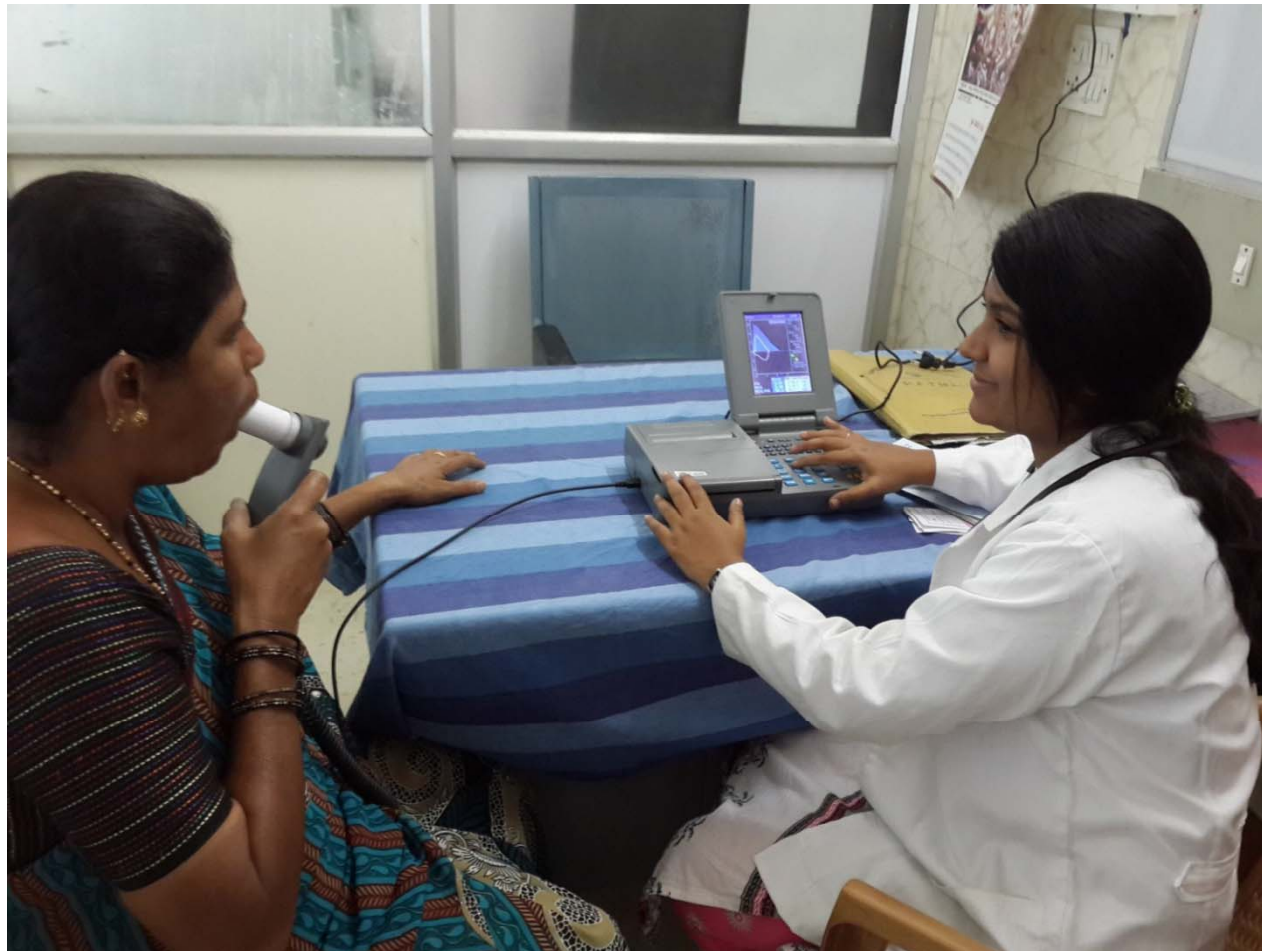


Pulmonology Services





SPIROMETRY



BRONCHOSCOPY



ICU



SEMINAR







PROCEDURE

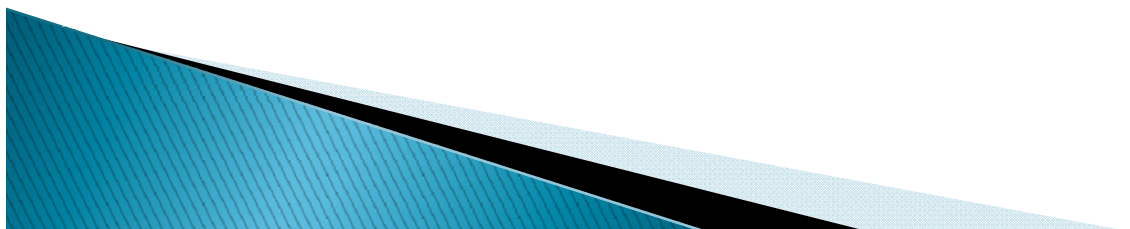




Special lectures, workshops & seminars

14 nos

- ▶ Attending CME's conducted by chest club Bangalore 2nd Friday of every month.
- ▶ 10.08.2013—CME on COPD by CIPLA (Moderator Dr.Murli Mohan)
- ▶ 18.08.2013—CME in Current concepts in General and procedural Pulmonology (Apollo Hospital)
- ▶ 24.08.2013—CME on Dealing with patient of Arrhythmias
- ▶ 31.08.2013—CME on Outbreak investigation (Dept of Microbiology-RRMCH)
- ▶ 01.09.2013—CME on Dissertation topic at API Bhawan (Medical Education and research trust)
- ▶ 20.09.2013—CME newer dimensions in management of Cardiovascular risk-Dr.Vivek Jawali
- ▶ 03.10.2013—ACLS training St.Johns Hospital
- ▶ 05.10.2013-06.10.2013—IMSACON, Bangalore, RRMCH
- ▶ 27.10.2013—CME on COPD in KMC Mangalore
- ▶ 14.11.2013—Certificate training in Central Research Lab RRMCH
- ▶ 17.11.2013—CME CUPID 2013 Rajarajeshwari Heart Centre. RRMCH
- ▶ 14.11.2013--Training in Central Research Lab
- ▶ 22.11.2013—CME on COPD day in Apollo Hospital (Moderator Dr.Ravindra Mehta)



Research Projects



- Departmental projects
- Staff—4
- PG's—2

▶ **Dr. K N Mohan Rao**

Study of prevalence of COPD in households in a rural village.

Status: Ethical committee clearance

▶ **Dr.Y.Laxman**

Comparison of Treatment of 6 months ATT and 9 months of ATT in HIV Positive pulmonary Tuberculosis patients.

Status: Ongoing

▶ **Dr.K.Bhangari**

Role of Monteleukast with steroids as an anti-inflammatory drug in the management of COPD

Status: Ongoing

▶ **Dr.K.P.Raju**

Causes for default in the treatment of tuberculosis ↓ RNTCP DOTS

Status: Ethical committee clearance

▶ **Dr.Tarun Sharma**

a study of clinical and radiological profile of community acquired pneumonias with special reference to curb-65 severity score and treatment outcomes at Rajarajeswari medical college and hospital

▶ **Dr.Siva Prasad Reddy**

diagnostic yield of Fiberoptic Bronchoscopy and induced sputum in sputum negative tuberculosis



STRENGTH

RRMCH is situated in a strategic area of Bangalore where TB and pulmonology services can be provided to both rural and urban populations of Bangalore metropolis at affordable cost.

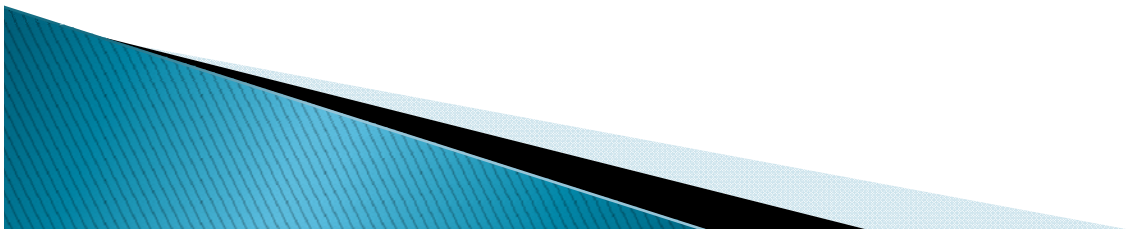
Pulmonary medicine can provide specialist services for population suffering from respiratory diseases like asthma, Bronchitis, sleep disorders and ILD.





STRENGTH

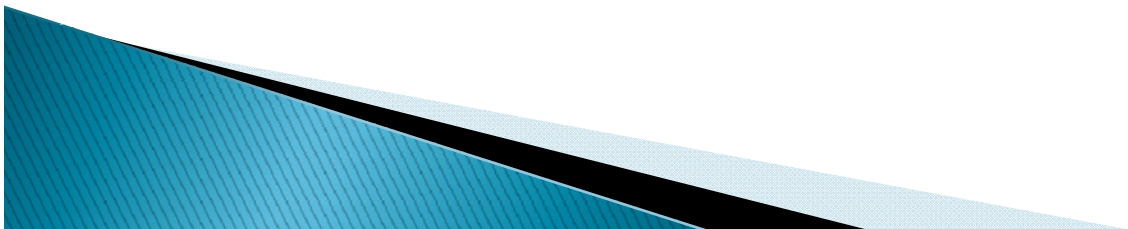
- ▶ Many patients suffering from various forms of tuberculosis are given diagnostic and treatment facilities both as OPD and IPD in pulmonology department as a free service.
- ▶ Affordable ICU services for patients with respiratory disorders is also provided.





OPPORTUNITIES

- ▶ Pulmonary medicine offers a wide range of opportunities for physician specializing in this field eg:
- ▶ Intervention pulmonology eg. EBUS and VATS
- ▶ Sleep medicine –sleep lab
- ▶ Intensive care
- ▶ Spirometry
- ▶ Specialization in MDR & XDR TB management





OPPORTUNITIES

- ▶ We propose to establish:
 1. Establishment of line probe assay for TB diagnosis
 2. Developing IRL lab for diagnosis and management of MDR and XDR TB
 3. Interventional procedures like VATS, Thoracoscopy and EBUS in our center
 4. Establishment of complete polysomnography for sleep disorders of breathing.



CHALLENGES

- ▶ Starting of certified courses in:
 1. Spirometry
 2. Interventional Pulmonology
 3. Intermediate reference laboratory
 4. Referral MDR & XDR TB Center

