

YENEPOYA MEDICAL COLLEGE

DEPARTMENT OF RESPIRATORY MEDICINE

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Tel. No: 0824- 2204668 (Ext-127)

1. INTRODUCTION:

The department of Respiratory Medicine was established in the year 1999 serving the community with the objective to provide the best possible care in infectious and non-infectious respiratory conditions.

The department aims at educating the medical and non-medical faculties, medical, nursing students in understanding the role of DOTS in our country by conducting regular sensitization programmes, education and de-addiction for smokers.

To impart comprehensive education & training for undergraduate and postgraduate students in the field of Pulmonary Medicine

2. OBJECTIVES:

1. Conduct awareness & outreach programs (for diseases like tuberculosis/COPD etc) on a quarterly basis.
2. Conduct screening camps for early detection and prevention of diseases in high risk groups, for example – Bronchogenic Carcinoma & COPD in smokers.
3. Expansion & more effective implementation of RNTCP in the community by providing health education programs, thereby increasing Case finding and Cure rate.
4. Providing state-of- art management options for patients with respiratory diseases; according to the latest evidence based guidelines by ACCP/ATS/ERS/NCCP etc
5. Conduct teaching programs in Pulmonary Medicine on a regular basis to train undergraduate and postgraduate students according to Medical Council of India norms

3. COURSES OFFERED:

- | | |
|--|------------------|
| a. Undergraduate: MBBS | 150 seats / year |
| b. Postgraduate: M.D in Respiratory Medicine | 1 seat / year |

4. FACULTY:

Staff	Qualification	Designation	Teaching Experience
Dr. B.S. Verma	MD (Respiratory Medicine)	Professor & Head	31 Years 4 months
Dr. M. Mathews	MD (Respiratory Medicine)	Professor	12 Years 9 months
Dr. Irfan	MD (Respiratory Medicine)	Assistant Professor	2 years 12 Months
Dr. Deepu Chengappa	MD (Respiratory Medicine)	Assistant Professor	1 years 7 months
Dr. Mohammed Aslam	MD (Respiratory Medicine)	Senior Resident	6 months

Department of Respiratory Medicine



Post Graduate students (Residents)

1.	Dr. Ria Ann Thomas, MBBS	Post Graduate (2013 batch)
2.	Dr. Gazal Jallal Mohammed, MBBS	Post Graduate (2014 batch)
3.	Dr. Sonai Elizebeth Ninan , MBBS	Post Graduate (2015 batch)

5. SERVICES PROVIDED:

- a. Asthma, Immunotherapy and Desensitization of Allergy Services
- b. Chronic Bronchitis & Emphysema
- c. Smoking Cessation Service
- d. Pulmonary Arterial Hypertension
- e. Tuberculosis and RNTCP DOTs Service
- f. Lung Cancer Service
- g. Sleep Apnoea/Hypopnoea syndrome
- h. Genetic and Developmental Disorders of the Lungs
- i. Occupational Lung Diseases

6. SPECIALTY CLINICS:

Sl.No.	Name of the Clinic	Days on which held
1.	Asthma & Allergy Clinic	Tuesday & Thursday
2.	Respiratory Rehabilitation Clinic	Wednesday
3.	Bronchoscopy	All Days
4.	Smoking Cessation Clinic	Saturday
5.	Tuberculosis And RNTCP DOTs Service	All Weekdays

7. FACILITIES AVAILABLE:

a. Pulmonary Function Testing Unit



b. Bronchoscopy Unit: Dedicated Bronchoscopy Suite having Video-bronchoscope (Pentax) suited for interventions; portable Flexible Bronchoscope (Karl-Storz) for ICU Bronchoscopy & also Rigid Bronchoscopy



- c. **Full fledged Allergy Centre dedicated to diagnosis & treatment of Allergy Disorders**



- d. **Fully functioning DOTS Center which collaborates with DTC in implementing RNTCP**



- e. **Full fledged Respiratory Physiotherapy Unit**

- f. **30 bedded Medical ICU with Invasive & Non Invasive Ventilator backup; multi-para monitors etc**



8. RESEARCH ACTIVITIES:

The department has identified several thrust areas for conducting research. The following are the major research projects undertaken.

Faculty		Post Graduates				Under Graduates		Total
Ongoing	Completed	Ongoing		Completed		Ongoing	Completed	
		Dissertation	Short term project	Dissertation	Short term project			
02	11	03	-	06	02	-	-	-

a. Faculty research projects (On-going):

Sl. No.	Topic	Investigator
1.	Beedi rolling- its impact on workers health.	Dr. Deepu Chengappa / Dr. Ria Ann Thomas
2.	Carviovascular manifestations in COPD patients.	Dr. Deepu Chengappa / Dr. Gazal Jalal

b. Faculty research projects (Completed)

Sl. No.	Topic
1.	Rao, Sukhesh: Sputum smear microscopy in DOTS. Are three samples necessary? An analysis and its implications in tuberculosis control. Lung

	India 2009; 26: 1: 3 - 4.
2.	Rao, Sukhesh: Tuberculosis & patient gender – An analysis & its implications in tuberculosis control. Lung India 2009; 26: 2: 46 – 47.
3.	Rao, Sukhesh: Malignant Pleural Mesothelioma – A Case Report. Lung India 2009; 26: 2: 53 - 54.
4.	Rao, Sukhesh: “Serum Cholesterol, HDL, LDL levels in Pulmonary Tuberculosis: A Clinico–Radiological Correlation and implications” Infectious Disease in Clinical Practice 2009; 17: 2: 99 – 101.
5.	Rao, Sukhesh: “Serum C-Reactive Protein in Pulmonary Tuberculosis - Correlation with Bacteriological Load and Extent of Disease”. Infectious Diseases in Clinical Practice 2009;17:5:314-316.
6.	Nivedita L Rao, Sukanya Shetty, Umaru N, Jyothi D’Souza, Eric C Lobo, Subin Ahmed, Prasad R M: “Estimation of C-Reactive Protein in saliva of patients with Pulmonary Tuberculosis”- Journal of Advance Researches in Biological Sciences; 2010, 2 (1):1-6.
7.	Rao, Sukhesh: “Clinical Efficacy of Allergen Specific Immunotherapy (ASIT) in Allergic Rhinitis”. Internat . J. of. Clin. Med. 2011; 2:394-398
8.	Deepu Cheriamane, Vinod Joshi; Kailash Agarwal; Gopal Purohit; Chainaram Choudhary; Shital Patil The Effect of 6 Week Pulmonary Rehabilitation in COPD- A Randomized Control Study Chest.2013;144(4):785A.
9.	Patil Shital, Agarwal Kailash, Gopal Purohit, Sharavn Rao, C.C Deepu, J. Mohan; Conventional TBNA- a underutilized but valuable technique during Bronchoscopy in comparison with other conventional diagnostic techniques (CDTs) in diagnosing lung malignancies. Eur Respir J 2013; 42:suppl. 57-59.
10.	Deepu Cheriamane. Beedi rolling- its impact on workers health. ERJ, September 1, 2014; vol. 44 no: Suppl 58 P1136.
11.	Deepu Cheriamane. Pulmonary rehabilitation - an underutilized treatment. ERJ September 1, 2014; vol. 44 no: Suppl 58 P2164.

c. **PG Dissertations (On-going):**

Sl. No.	Topic	Student	Guide
1.	A bacteriological study of acute exacerbation of COPD	Dr. Niaz Shah.	Dr. B.S. Manoj
2.	A Prospective cohort study on Clinical profile, causative organisms and treatment outcome in patients with Nosocomial Pneumonia in a Tertiary Teaching Hospital in Mangalore	Dr. Ria Ann Thomas	Dr. B.S. Manoj
3.	Cardiovascular manifestations in COPD patients.	Dr.Gazal Jalal Mohammed	Dr. Irfan, Dr. Deepu Chengappa & Dr. Arun M.

d. **Post-graduate dissertations (completed)**

Sl. No.	Topic	Student	Guide
1.	Clinical profile and treatment outcome of tuberculosis patients treated under RNTCP regimens at Yenepoya Medical College, Mangalore with special mention on HIV & TB and TB & DM.	Dr Shameem NN	Dr. Sukesh Rao
2.	A prospective cohort study on clinical profile, causative organisms and treatment outcome in patients with nosocomial pneumonia in a tertiary teaching hospital in Mangalore.	Dr. Subin Ahmed	Dr. Sukesh Rao
3.	Study of serum magnesium level in pulmonary tuberculosis.	Dr. Irfan	Dr. Sukesh Rao
4.	A correlative study of Spirometric parameters and	Dr. Mohammed	Dr. Sukesh

	ECG changes in COPD patients in YMCH, over a period of one year.	Aslam	Rao
5.	Socio-demographic profile and treatment outcome of tuberculosis patients treated under RNTCP regimens at Yenepoya Medical College Mangalore with emphasis on incidence and reasons for default.	Dr. Riyas Basheer	Dr. B.S. Manoj
6.	A Bacteriological Study Of Acute Exacerbation Of Chronic Obstructive Pulmonary Disease.	Dr. Niaz Shah.S	Dr. M. Mathews

e. PG student short term research projects (completed)

Sl. No.	Topic	PG student	Guide
1.	Increased incidence of tuberculosis in rural areas, a study of Urban –Rural trend in the district of Dakshin Kannada	Dr. Riyas Basheer	Dr. B.S. Manoj
2.	Sputum conversion in cases of Pulmonary Tuberculosis	Dr. Riyas Basheer	Dr. B.S. Manoj

9. PUBLICATIONS:

1. PUBLICATIONS (in Vancouver style)

S.N	Faculty	Postgraduates	Total
1.	14	2	16

2015

1. S Niaz Shah, C C Deepu, Irfan, M Arun. Incidental Congenital Diaphragmatic Hernia (Bochdalek) In An Asymptomatic Adult - A Case Report And Review Of Literature. IOSR Journal of Dental and Medical Sciences (IOSR-JDMS) 2015;14(3):104- 9.

2014

1. B S Manoj, C C Deepu, K M Irfan, R Basheer. Newer Drug Resistant Tuberculosis Cases in a Sanatoria- A Discussion. The Internet Journal of Pulmonary Medicine. 2014; 16 (1).
2. R Basheer*, B S Manoj, K M Irfan, and C C Deepu. Bronchoscope- A view. RRJMHS, 2014; 3(2); 21-22.
3. Deepu Cheriamane. Beedi rolling- its impact on workers health. ERJ, September 1, 2014; vol. 44 no: Suppl 58 P1136.
4. Deepu Cheriamane. Pulmonary rehabilitation - an underutilized treatment. ERJ September 1, 2014; vol. 44 no: Suppl 58 P2164.

2013

1. Deepu Cheriamane, Vinod Joshi; Kailash Agarwal; Gopal Purohit; Chainaram Choudhary; Shital Patil The Effect of 6 Week Pulmonary Rehabilitation in COPD- A Randomized Control Study Chest.2013;144(4):785A.
2. Patil Shital, Agarwal Kailash, Gopal Purohit, Sharavn Rao, C.C Deepu, J. Mohan; Conventional TBNA- a underutilized but valuable technique during Bronchoscopy in comparison with other conventional diagnostic techniques (CDTs) in diagnosing lung malignancies. Eur Respir J 2013; 42:suppl. 57-59.

2011

1. Rao, Sukhesh: "Clinical Efficacy of Allergen Specific Immunotherapy (ASIT) in Allergic Rhinitis". *Internat . J. of Clin. Med.* 2011; 2:394-398

2010

1. Nivedita L Rao, Sukanya Shetty, Umaru N, Jyothi D'Souza, Eric C Lobo, Subin Ahmed, Prasad R M: "Estimation of C-Reactive Protein in saliva of patients with Pulmonary Tuberculosis"- *Journal of Advance Researches in Biological Sciences*; 2010, 2 (1):1-6.

2009

1. Rao, Sukhesh: Sputum smear microscopy in DOTS. Are three samples necessary? An analysis and its implications in tuberculosis control. *Lung India* 2009; 26:1: 3 - 4.
2. Rao, Sukhesh: Tuberculosis & patient gender – An analysis & its implications in tuberculosis control. *Lung India* 2009; 26: 2: 46 – 47.
3. Rao, Sukhesh: Malignant Pleural Mesothelioma – A Case Report. *Lung India* 2009; 26: 2: 53 - 54.
4. Rao, Sukhesh: "Serum Cholesterol, HDL, LDL levels in Pulmonary Tuberculosis: A Clinico–Radiological Correlation and implications" *Infectious Disease in Clinical Practice* 2009; 17: 2: 99 – 101.
5. Rao, Sukhesh: "Serum C-Reactive Protein in Pulmonary Tuberculosis - Correlation with Bacteriological Load and Extent of Disease". *Infectious Diseases in Clinical Practice* 2009; 17:5:314-316.

2005

1. Rao, Sukhesh: Anemia Pulmonary Tuberculosis- A Clinico-Radiological study. *The Antiseptic* 2005 102; 7:384 - 385.
2. Rao, Sukhesh: Tuberculosis and Malaria - An Unusual Combination- *Lung India* 2005; 22:132.

10. EXTENSION ACTIVITIES:

- “Tuberculosis Control- An Update on RNTCP” in association with Dept of Community Medicine under the aegis of RNTCP-DK.



- “Anti Tuberculosis Week” activities from February 17th to 23rd 2012.



- “Spirometry and Asthma Awareness” camp as a part of ‘World Asthma Day’ from April 27th to 30th April 2012. YMCH, Mangalore by Department of Pulmonary Medicine.
- “Influenza (Flu) Vaccination” camp on April 18th 2012, Department of Pulmonary Medicine, Room No. 9, OPD Block, YMCH.
- Dr. Deepu Chengappa, as the Resource Person for addressing the general public in the Rural Health Training Center, Harekala area on issues of Tuberculosis on 24th March 2014 at 2 pm.



- Conducted “Anti Tuberculosis Week’ camp as a part of ‘World TB Day’ activities from March 24th to 29th 2014 2011 at Yenepoya Hospital Deralakatte wherein about 100 patients benefited
- Allergy camp will be conducted in the month of April on 3rd and 4th in jointly department of Pulmonary Medicine, Dermatology and ENT.
- Allergy camp will be conducted in the month of May 2014 Department of Pulmonary Medicine, Room No. 9, OPD Block, YMC
- Dr. Deepu Chengappa , had given a Talk in kannada to the Non Teaching Staff and Patient and their by-standers AT Yenepoya Medical College Hospital on the “ILL EFFECTS OF TOBACCO USE AND ITS IMPACT ON SOCIETY” on the event of “No Tobacco Day” held on 31st May 2014
- Dr. Deepu Chengappa had given a Radio Slogan in Radio Mirchi on the event of “No Tobacco Day” held on 31st May 2014.
- Dr. Deepu Chengappa, had given a Talk on “Systemic Manifestations of Tobacco” for dental students enrolled in “Certificate Course in Tobacco Cessation” at Yenepoya Dental College on the held on 17th July 2014.
- Dr. Deepu Chengappa had given a Radio education talk in All India Radio on 30th September 2014.



- Dr. Irfan and Dr. Arun M. (Assistant Professor) attended camp at Perliya nursing home, B.C. road as part of World COPD Day 2014, and about patients benefited from the camp on November 2014.
- Dr. Arun M (Assistant Professor) attended camp at Kanyana Vittala as part of community outreach on 21st December 2014 and about 50 patients benefited from the camp.
- Dr. Deepu Chengappa gave radio talk on “Allergy & Asthma” on June 9th 2015 in All India Radio (100.3 MHz).
- Conducted Allergy camp from June 10th to 13th 2015 in Department of Respiratory Medicine, Room No. 9, OPD Block, Yenepoya Medical College hospital Derlakatte.



11. GUEST LECTURES/ MODERATOR/SEMINAR/ RESOURCE PERSON/PANELIST

Sl No.	Name	Details
1.	Dr. Niaz Shah Post Graduate (2012 batch)	Conducted a session Topic: A Case of Thoracic Germ Cell Tumor with Malignant Transformation Place: At MCA monthly meeting held at Gold finch Hotel Date: December 12th 2013
2.	Dr. Deepu Chengappa (Assistant Professor)	Resource person: Topic: On issues of Tuberculosis Place: General public in the Rural Health Training Center, Harekala Date: March 24th 2014. 2 P.M

3.	Dr. Irfan (Assistant Professor)	Resource person: Topic: Inhalational Devices CME: CME essentials in the practice of Asthma and COPD Management Place: A. J. Institute of Medical Sciences and Research Centre Mangalore, Karnataka Date: 8th March 2015
4.	Dr. Deepu Chengappa (Assistant Professor)	Chair person: Place: A. J. Institute of Medical Sciences and Research Centre Mangalore, Karnataka CME: CME essentials in the practice of Asthma and COPD Management Date: 8th March 2015

12. Attended Programmes by Faculty – last 5 years (2009 to 2015)

Year	Conference	Workshop	CME	Total
Dr. Irfan	02	05	16	23
Dr. Deepu.C.C	02	02	03	07

13. AWARDS AND ACCOLADES (OTHER SIGNIFICANT ACHIEVEMENTS):

Dr Deepu Chengappa, Assistant Professor

The Pulmonary Physiology, Function and Rehab NetWork of ACCP (USA) had identified the abstract; “The Effect of 6 Week Pulmonary Rehabilitation in COPD - A Randomized Control Study,” as an outstanding submission and a certificate of recognition was given in CHEST 2013

