



RAJARAJESWARI MEDICAL COLLEGE & HOSPITAL

Department of
General Medicine



Department of General Medicine extends warm
welcome to the respected members of the **NAAC**
peer team



- **GENERAL MEDICINE**
- Year of establishment – **2005**
- One of the largest department in RRMCH, offers services in the field of education (UG & PG), patient services & research
- UG (MBBS) annual intake – 150
- PG (MD – Medicine) annual intake - 08



GOALS

- i) To train the students to clinically examine , diagnose and learn the art of making cognisant decisions in the management of Medical disorders including their complications
- ii) To make him/her a nice human being; to be able to treat the patients with compassion for a noble cause.



Accreditation by other agencies

- Institute has received ISO 9001:2008 certification



Faculty

Department of General Medicine

Professor – 06

Professor Emeritus – 01

Associate Professor – 03

Senior Residents – 08



Dr.Mamatha B Patil Professor
Co-ordinator : Academics



Dr.Vijay.M.B Professor
Co-ordinator:Administration



Dr.Krishna.M.V, Professor & HOD



Dr.Ajith Kumar Professor
Co-ordinator : Examination



Dr.Anil Kumar Associate Professor
Co-ordinator : Human Resource



Department of General Medicine – Senior Faculty

Faculty Profile



SL NO.	NAME	SEX	DESIGNATION	QUALIFICATION	APPROVED GUIDE	STATE	PT/F
1	DR.Krishna.M.V	M	Professor & HOD	MBBS , MD(Med)	Yes	Karnataka	FT
2	Dr.K.Rangamani	F	Professor (Emeritus)	MBBS , MD(Med)	-	Karnataka	FT
3	Dr.Chikkananjaiah	M	Professor	MBBS , MD(Med)	Yes	Karnataka	FT
4	Dr.Ajith Kumar	M	Professor	MBBS , MD(Med)	Yes	Karnataka	FT
5	Dr.Vijay.M.B	M	Professor	MBBS , MD(Med)	Yes	Karnataka	FT
6	Dr.Mamatha B Patil	F	Professor	MBBS , MD(Med)	Yes	Karnataka	FT
7	Dr.Sudhindra	M	Professor	MBBS , MD(Med)	Yes	Karnataka	FT
8	Dr.Byrareddy	M	Associate Professor	MBBS , MD(Med)	-	Karnataka	FT
9	Dr.Anil Kumar	M	Associate Professor	MBBS , MD(Med)	-	Karnataka	FT
10	Dr.Rekha	F	Associate Professor	MBBS , MD(Med)	-	Karnataka	FT
11	Dr.Yashaswini	F	Senior Resident	MBBS , MD(Med)	-	Karnataka	FT
12	Dr.Pooja.S	F	Senior Resident	MBBS , MD(Med)	-	Karnataka	FT
13	Dr.Nagarjun	M	Senior Resident	MBBS , MD(Med)	-	Karnataka	FT
14	Dr.Shabarinath	M	Senior Resident	MBBS , MD(Med)	-	Karnataka	FT
15	Dr.Darshan	M	Senior Resident	MBBS , MD(Med)	-	Karnataka	FT
16	Dr.Prashanth	M	Senior Resident	MBBS , MD(Med)	-	Karnataka	FT



List of PG's

PG Students – 2011 Batch (2 students)

- Dr. Sourav Das
- Dr. Uday Shankar Hiregoudar

PG Students – 2012 Batch (8 Students)

- Dr. Abhishek. M
- Dr. Neetiraj Singh
- Dr. Suraj Das
- Dr. Srikanth Reddy
- Dr. Kathyaini
- Dr. Sandeep .T
- Dr. Arigala Ganesh
- Dr. Sandeep Tarapatla

PG Students – 2013 Batch (8 students)

- Dr. Vikas. B. R
- Dr. Jeslin. V. James
- Dr. Prajwal. K. C
- Dr. Murali Krishna
- Dr. Swathi Chouhan
- Dr. Dinesh Raghav
- Dr. Vikranth. V
- Dr. Deepak Jaiswal

Total 18 PG's.



Department of General Medicine – Post Graduates



Department of General Medicine – P G Clinical Seminar

Services offered by the Department of Gen-Medicine

- Out patient clinics -daily (9am to 4pm)
- Daily Medicine OPD : average – 350
- (hospital OPD attendance daily – 2500)
- OPD services
 - a. Consultation
 - b. ECG
 - c. ECHO Cardiograph
 - d. Dietician advice

• Inpatient services-

Admission & Treatment (24 x 7)

- a. Total 150 Inpatients Beds (30 beds per unit) – 5 unit system
- b. Patients admitted unit wise
- c. 5 Medical wards Male Wards – 3 (90 beds)/Female wards – 2 (60 beds)
- d. Admission & Treatment – Free

• Medical Intensive care- Admission & treatment of sick patients (24 x 7)
8 Medical ICU beds equipped with multi paramonitors & ventilators

• Casualty services (24 x 7) medical emergencies.

Emergency ward –

Male ward – 16 beds

Female ward – 8 beds

• Specific Investigations offered:

- 2D Echocardiography
- Tread Mill Stress Test (TMT)
- Pulmonary Function Test (PFT)
- EEG
- EMG/NCV/VEP/BERA
- ABG Analysis
- Hormonal Assays
- Endoscopy
- CT / MRI



RESEARCH

Thrust Areas of Research in the Department

1. Non Communicable diseases
 - a. Diabetes Mellitus
 - b. Hypertension
 - c. COPD
 - d. Obesity



- 1. HPA (Hypothalamo Pitutary Adrenal Axis) in Septicemic Shock**
Dr.Krsihna.M.V, Dr.Byrareddy
- 2. Study of proximal femoral neuropathy in Diabetes Mellitus (ENMG – Based)**
Dr.Krishna.M.V, Dr.Byrareddy
- 3. The prevalance of Vit D deficiency in post menopausal women & associated obesity & cardiovascular risk. A cross sectional study**
Dr.Mamatha B Patil
- 4. The importance of serum procalcitonin levels in patients with COPD Exacerbations.**
Dr.Mamatha B Patil
- 5. Clinical study of Subclinical Hypothyroidism with reference to TPO – Antibodies**
Dr.Mamatha B Patil, Dr.Anilkumar
- 6. Clinical and EEG Profile of Metabolic ENCEPHALOPATHY**
Dr.Krishna.M.V
- 7. Prospective Study of Clinical Profile of type 2 Diabetes among women**
Dr.Mamatha B Patil
- 8. Study of Serum Creatine Kinase level in primary Hypothyroidism**
Dr.Rekha.N.H

PG Dissertation

- Total Eighteen Dissertation Projects
 - Completed - Two
 - On going projects - Sixteen

PG Dissertation – First Batch - 2011

- Study of Prediction of ventilator support in organo phosphorus poisoning.

Dr.Udayshankar (**completed submitted to RGUHS**)

- Study of clinical and echocardiographic profile in patients with chronic kidney disease.

Dr.Sourav Das (**completed submitted to RGUHS**)



SECOND BATCH 2012 – PG Dissertation



Sl no.	PG Name	PG Guide	Topic
1	Dr.Srikanth Reddy	Dr.M.V.Krishna	Study of CIMT and Atherosclerotic risk profile in Acute Ischemic stroke
2	Dr.Suraj Das	Dr.M.V.Krishna	CIMT in relation to Atherosclerotic risk factors in patients with Prediabetes and Type 2 DM
3	Dr.Neetiraj Singh	Dr.Vijay M.B.	Clinical and Biochemical Profile of lean Type 2 DM with BMI<18.5 kg m2
4	Dr.R.Kathyayini	Dr.Vijay M.B.	Competitive study of dyslipidaemia in Type II DM with and without associated hypothyroidism
5	Dr.Tarapatla Sandeep	Dr.Chikkananjaiah	Study of Cardiorenal Syndrome in Heart Failure
6	Dr.Arigala Ganesh	Dr.Ajith Kumar	Clinical and Laboratory Profile of Asymptomatic Bacteriuria in women with Type 2 DM
7	Dr.Sandeep T	Dr.Ajith Kumar	A study of asymptomatic fatty liver disease's relation technical features, serum levels of C-reaction protein and other laboratory profile
8	Dr.Abhishek.M	Dr.MamathaPatil	A one year cross sectional study of co-relation of clinical parameters with serum HSCRP as a predictor of severity of disease of COPD

THIRD BATCH 2013– PG Dissertation



Sl no.	PG Name	PG Guide	Topic
1	Dr.Prajwal.K.C	Dr.Krishna.M.V	Study of clinical and Radiological profile of community acquired pneumonia with special reference to CRP and procalcitonin levels
2	Dr.Swati Chauhan	Dr.Krishna.M.V	Study of clinical, biochemical and radiological profile of NAFLD in relation to coronary atherosclerotic risk factors
3	Dr.Vikas.B R	Dr.Vijay.M.B	Study of Thyroid Profile in patients with chronic kidney disease. A cross sectional study
4	Dr.Deepak Jaiswal	Dr.Vijay.M.B	Peripheral Vascular disease in Type 2 Diabetes Mellitus using ankle- brachial index
5	Dr.Murali Krishna	Dr.Ajith Kumar	Study of lipid profile, clinical profile and HsCrP levels in coronary heart disease
6	Dr.Vikranth	Dr.Ajith Kumar	Study of changes in left ventricular function in chronic asymptomatic alcoholic
7	Dr.Dinesh Raghav	Dr.Mamatha Patil	A clinical and biochemical profile of Type Diabetes in women with special preference to vitamin D status in obese and non obese
8	Dr.Jeslin V James	Dr.Chikkananjaiah	Left ventricular function in chronic symptomatic young smokers & non smokers



PUBLICATIONS

International Publication – 01
National Publications - 13

International Publication

- Dr.Mamatha Patil : Lipid peroxidation and non enzymatic antioxidants status in post partum preeclamptic women.

Journal: Elixir human physiology , International
47(2012)8786-8789

Impact factor: 2.046

PUBLICATIONS: (National)

Total = 13



1. **Echocardiographic evaluation of Diastolic dysfunction in asymptomatic Type-2 Diabetes Mellitus.**
Dr.Mamatha B Patil (Professor of Medicine)
Published in JAPI – May 2012 – vol 60.
2. **Case Report: Skin rashes with Skeletal Muscle weakness – Adult onset Dermatomyositis.**
Dr.Krishna.M.V, Dr.Byrareddy, Dr.Rekha.N.H
Dr.Sourav Das
3. **Published in ESIC Journal of Medical Sciences – January 2012,**
Case Report: Adult onset HenochSchonleinPurpura
Dr.Abhishek M, Dr.Krishna.M.V
Published to ESI Journal of Medical Sciences 2012
4. **Clinical and etiological profile of acute febrile illness with thrombocytopenia - A one year hospital based across section study.**
Dr.Mamatha B Patil (Professor of Medicine)
Published in Journal of Medical Sciences, RRMCH 2013 (Jan - Apr)
5. **Case Report : A case of atherosclerotic Renal Artery Stenosis with single functioning kidney.**
Dr.Abhishek.M, Dr.Krishna.M.V
Published in Journal of Medical Sciences, RRMCH 2013 (Jan - Apr)
6. **Pictorial CME – Idiopathic Clubbing**
Dr.Neetiraj Singh, Dr.Krishna.M.V
Published in Journal of Medical Sciences, RRMCH 2013 (Jan - Apr)
7. **Lipid peroxidation & non enzymatic antioxidants status in preeclamptic & post partum preeclamptic. –**
Dr.Mamatha B Patil
Journal: National Journal of Basic Medical Sciences vol III issue – July – Sept 2012



- 8. Prospective Randomized open label pilot study of lipid profile in Preeclampsia.**
Journal: Journal of advances in biological science 2013. Vol 5 45-48.
Dr.Mamatha B Patil
- 9. Case Report – case of hypertension presenting as Thalamic syndrome.**
Dr.Suraj Das, Dr.Krishna.M.V, Dr.Byrareddy
Published in JEMDS (Journal of evolution of medical & dental sciences – aug 2013)
- 10. Case Report – case of Ramsay Hunt Syndrome**
Dr.Sourav Das, Dr.Krishna.M.V
published in journal of medical sciences RRMCH – may to aug 2013.
- 11. Case Report – case of Megaloblastosis with unusual presentation – gum bleeding**
Dr.Abhishek.M, Dr.Krishna.M.V
Published in journal of medical sciences RRMCH – may to aug 2013.
- 12. Pictorial CME – A case of nutritional dermatitis –**
Dr.Srikanth Reddy, Dr.Krishna.M.V
Published in journal of medical sciences RRMCH – may to aug 2013.
- 13. Original Article – Study of clinical & radiological profile of NAFLD in Type 2 diabetes mellitus., Dr.Sourav Das, Dr.Krishna.M.V, Dr.Byrareddy**
Published in journal of medical sciences RRMCH – sept to dec 2013.



CME & CONFERENCE

Conferences / CME Conducted

Total = 16

1. **CME:** Recent advances in nuclear medicine
Focus on imaging 16/3/2010
Speaker: **Dr.Kallur** – HCG center Bangalore
2. **CME:** Spirometry and Respiratory Emergencies
16/6/2010
Speaker: **Dr.Murali Mohan** Pulmonologist, Narayana Hrudayalaya, Bangalore.
3. **CME:** Management of Hepatic Encephalopathy
19/8/2010
Speaker: **Dr.Mamatha Patil** , Department of Medicine, RRMCH.
4. **CME:**Management of Type 2 Diabetes Mellitus
27/8/2010
Speaker : **Dr.H.M.Krishna Murthy**
5. **CME:** WHO guidelines of Management of Malaria
19/8/2011
Speaker: **Dr.Krishna.M.V**, RRMCH
6. **CME:** Hepatitis – B an overview
14/6/2011 Dr. Manjunath
7. **WEB-CME** THYROID AND CO-MORBID CONDITIONS
26/8/2011 - DR.PRAMOD GANDHI (Endocrinologist) NAGPUR
8. **WEB-CME:** THYROID AND BONE DISEASE
18/11/2011 -**DR.AMBRISH MITTAL (Endocrinologist)**
New Delhi



9. **CME - Diabetes in India – An overview**
22/11/2011 Dr.Krishna M.V
10. **IMSA – 2012: (International Medical Sciences Academy) multidisciplinary**
Conference 2nd& 3rd August 2012.
11. **WEB-CME: Modern Management of COPD**
9/2/2013 **Prof Dr.PETER BARNES (UK)**
12. **WEB-CME: Management of Hypothyroidism**
ITSCON (Indian Thyroid Society Conference 2013) Bangalore.
13. **CME: Hepatitis B Management**
14/6/2013
Speaker : Dr.Kaiser Raja (Gastroenterologist & Hepatologist)
14. **CME: Pneumococcal Vaccine (focus on prevention)**
15/6/2013
Speaker: Dr.Krishna.M.V (Prof & HOD of Medicine)
15. **IMSA conference (International Medical Sciences Academy)**
Oct 2013, (multidisciplinary conference) held at RRMCH.
16. **CME:Diabetes Mellitus overview – presented on world diabetes day**
14/11/2013
Speaker: **Dr.Krishna.M.V, RRMCH**



PG Student participation in IMSACON 2013 – Annual Conference of International Medical Sciences Academy held at RRMCH Bangalore.

Date: 5th & 6th October 2013

PG Poster Presentation: Total = 07

1. Dr.Srikanth Reddy: Case of Nutritional Dermatitis – Pellagra
2. Dr.Arigala Ganesh: Case of Neuro Cysti Cercosis
3. Dr.Tarapatla Sandeep: Case of Multiple Sclerosis
4. Dr.Kathyaini: Aluminium phosphide poisoning & myocardial insult
5. Dr.Suraj Das: A case of hypertension presenting as Thalamic syndrome
6. Dr.Uday Shankar.H: A case of catamenial hemoptysis
7. Dr.Sourav Das : Case of Ramsay Hunt Syndrome



PG Student participation in IMSACON 2013 – Annual Conference of International Medical Sciences Academy held at RRMCH Bangalore.

Date: 5th & 6th October 2013

PG - Paper Presentation Total = 07

1. Dr. Sourav Das: Topic : Study of clinical & radiological profile of NAFLD in Type 2 Diabetes.
2. Dr. Udayshankar. H: Study of Hepatic dysfunction in Dengue Fever
3. Dr. Suraj Das: case report – Case of proteinuria due to amyloidosis of kidney
4. Dr. Sandeep Tarapatla: Case report case of Tubercular peritonitis
5. Dr. Kathyaini: Case Report – case recurrent tachycardia
6. Dr. Sandeep T: Case of Ulcerative colitis with unusual presentation.
7. Dr. Sourav Das: Case of Bilateral Thalamic Stroke due to occlusion of artery of Percherion.



Awards

- Presented paper on Echocardiographic Evaluation of Diabetic Diastolic dysfunction asymptomatic Type 2 DM patients paper won the 1st prize at (**RSSDI** conference held on 28th & 29th Aug 2010 at Belgaum)- Dr.Mamatha Patil
- Dr.Ajith Kumar – comparision between inhaled & oral corticosteroids in COPD – APICON – 2000 (awarded best short paper in that session).

Life Members of Association of Physicians of India

Dr.Krishna.M.V ,

Prof & HOD

Dr.Rangamani.K,

Emeritus Professor

Dr.Chikkananjaiah,

Professor

Dr.Ajith Kumar,

Professor

Dr.Vijay.M.B,

Professor

Dr.Mamatha B Patil,

Professor

Dr.Byraredddy,

Associate Professor

Dr.Anil Kumar,

Associate Professor

Dr.Rekha.N.H

Associate Professor

Membership

- **Dr.Krishna.M.V Professor & HOD,**
 - a. Member editorial board – Journal of Medical Sciences, RRMCH.
 - b. Member of Ethics Committee – RRMCH
 - c. Member of PG curriculum committee, RRMCH
 - d. Member anti ragging committee, RRMCH.
- **Dr.Mamatha B Patil, Professor**
 - a. Member Library Committee, RRMCH.

Recognition

- Certificate course in diabetology by M.V.Hospital for Diabetes (Chennai) – recognized by WHO

Dr.Krishna.M.V (Professor & HOD)

Dr.Vijay.M.B (Professor)

Dr.Byrareddy (Associate Professor)

Dr.Anilkumar.H (Associate Professor)

Infrastructure Facilities

Department library – set of 202 books

Internet facility available

Out Patient Department – 5 chambers

In patients wards – 05 (30 beds per ward)

Demonstration rooms – 05

Seminar room - 02

- State of the art research equipments available

- a. Stress–ECG (TMT) unit – (schiller)
- b. Echocardiograph with color Doppler unit (Philips)
- c. Holter unit
- d. EEG & ENMG system
- e. Pulmonary function test – system
- f. Fiber optic bronchoscope



ECHO CADIOGRAPH with COLOUR DOPPLER



RRMCH – Central Research Lab

Feed Back system

- Student feed back on curriculum
- Student feed back on faculty

Teaching Methods

- Didactic Lectures
- Bedside clinics
- Group discussions
- Integrated Teaching
- Symposium
- Panel discussion
- Hands on learning experience

Problem Based Learning - 05

- Clinical approach to Comatose patient
- Clinical approach to a patient with chest pain.
- Clinical approach to a patient with head ache.
- Clinical approach to a patient with bleeding diathesis.
- Clinical approach to a patient with Jaundice.

Enrichment Courses = 05

- **Electrocardiograph (ECG) – interpretation for UG students.**
- **Reading of a. Chest X-ray for UG students.**
- **Interpretation of Blood Gas analysis report for UG & PG students.**
- **Reading of CT scan Brain images for UG &PG.**
- **Reading of MRI Brain images for UG & PG.**

Programme Objectives Assessment

- Periodic Internal Assessment
 - a. Set of three Theory Assessments
 - b. Set of three Clinical Assessments
 - c. Continuous performance Assessment (CPA card)

Beyond Syllabus Scholarly Activities

- a. Hands on experience in the management of sick patients
- b. Problem based learning
- c. Enrichment courses
- d. Student exposure to community health

Department Contribution for generation new knowledge

- a. Periodic CME's in basic & applied medicine
- b. Work shops involving hands on experience in newer diagnostic tools

SWOC



Strengths

1. Department has got well experienced , dedicated faculties, which includes Six professors, One Emeritus Professor, Three Associate Prof, & Six Senior Residents
2. Department has eighteen Post Graduates
3. State of the art equipments available in central research lab for diagnostic evaluation.
4. Departmental library has total 202 books. With internet facility & access to international journals via Helinet facility, supported by RGUHS.
5. Superspeciality Services – Cardiology, Nephrology & Gastroenterology services available at low cost for under privileged patients.

SWOC

Weaknesses



Improving areas of improvement is a continuous process that can be achieved step by step.

SWOC

Opportunities



1. Starting certificate courses in chronic care - Diabetes and Hypertension
2. Free general health checkup camps , Diabetic Hypertension, Cardiac, Health camps to be done regularly.
3. Periodic CME's , National & International conferences to be conducted

SWOC



Challenges

1. To meet excellence in Medical Service, Research activities, Education at subsidized cost to the under privileged section of the society.
2. Training Doctors to meet the challenges faced in the management of communicable & non communicable diseases.
3. Training Doctors in management of disasters.




Future Plans



	2014-15	2015-16	2016-17	2017-18	2018 – 19
Courses	DM Cardiology	DM Nephrology	DM Neurology & Pulmonology MBBS 250 seats	MD – Emergency Medicine	DM Endocrinology & Gastroenterology
TLE	<p>All Teaching Ppt student Centric, Train for viva-voce, Faculty development activities</p> <p>All faculties avail membership of national professional association</p> <p>Increase quality and quantity of results</p>	<p>Use Net for Teaching</p> <p>Cpa card intensify,</p> <p>Attend Conference with paper All Faculty Weekly Scientific Club conduct 2-workshops complete annual review</p> <p>Increase quality and quantity of results</p>	<p>Live Lectures Relay</p> <p>Student Projects Tutorials, Group discussion. Hands on experience, Pbl, Enrichment, Prove Teacher quality by advance skills</p> <p>Attend conference with paper all Faculty</p> <p>Conduct-National conference</p> <p>Conduct2-workshops</p> <p>Complete annual review</p> <p>Increase quality and quantity of results</p>	<p>Improve teacher quality by advance skills</p> <p>Conduct 2-workshops</p> <p>Increase quality and quantity of results</p> <p>Conduct E - Lectures</p>	<p>Improve teacher quality by advance skills</p> <p>Conduct 2-workshops</p> <p>Increase quality and quantity of results</p> <p>Conduct E-Lectures</p>
Administration	<p>Four coordinators</p> <p>Committes of IQAC</p>	<p>Internalise IQAC</p> <p>Develop IQAR, PPD</p>	<p>Internalise IQAC, Develop IQAR, PPD</p>	<p>Internalise IQAC, Develop IQAR, PPD</p>	<p>Internalise IQAC, Develop IQAR, PPD</p>

Research/ Extension	Present papers at national conference Encourage research at UG & PG level	Present papers at national conference Publish research articles in national & international journals	Present papers at national conference Publish research articles in national & international journals	Present papers at national conference Publish research articles in national & international journals	Present papers at national conference Publish research articles in national & international journals
Infrastructures	Improve library facilities Improve lab facilities Upgrade lab equipments	Improve library facilities Improve lab facilities Upgrade lab equipments	Improve library facilities Improve lab facilities Upgrade lab equipments Procure state of the art equipments	Improve library facilities Improve lab facilities Upgrade lab equipments Procure state of the art equipments	Improve library facilities Improve lab facilities Upgrade lab equipments Procure state of the art equipments

Innovation	Establish centre of excellence in teaching & learning	Establish centre of excellence in teaching & learning	Establish centre of excellence in teaching & learning	Establish centre of excellence in teaching & learning	Establish centre of excellence in teaching & learning
Collaborations/ <i>Linkages</i>	With various national universities	With foreign universities for UG, PG training	With foreign universities for UG, PG training	With foreign universities for UG, PG training	Participate in national health programmes



Linkages of the dept with the other
International agencies
Linkage with Hammersmith Hospital – UK
Two PG's , Dr. Suraj Das & Dr.Prajwal K.C
underwent observer ship under Doctor (Prof)
Nadey S Hakim (Prof of Renal Transplant
Surgery) at Imperial college renal & transplant
centre in Dept of Nephrology Hammersmith
Hospital – UK



Thank You