

The driving force behind the challenging and future medical technology



Sri. A C Shanmugam, B.A, L.L.B



RAJARAJESWARI MEDICAL COLLEGE & HOSPITAL, BANGALORE



DEPARTMENT OF PHYSIOLOGY

Welcomes

NAAC PEER TEAM



Quality Policy



- We at RRMCH are committed –
- To provide Quality Allopathic Medical Education and Advanced Health Care services as per customers needs and expectations to achieve highest customer satisfaction.
- By this we would like to be recognised as most preferred destination for quality education and health care services in South India region.
- We will achieve this goal by continuing improvement of quality management system

Date: 01-07-2013

Medical Director



VISION:



- Our vision is to equip the students with scientific knowledge of the subject, so that students can pursue their careers with a scientific attitude and become dedicated, competent doctors with strong commitment to Hippocratic Oath.



MISSION:



- The sound knowledge of the subject helps students, to correlate between normal functioning of human body and changes occurring in functions during diseases. In clinical practice this helps to understand diagnosis and planning treatment. These analytical skills help students to develop themselves into skilled doctors.



GOAL:



- The broad goal of teaching the subject to undergraduate students is to provide comprehensive knowledge of normal functions of the organ systems of the body to facilitate an understanding of the pathophysiological basis of disease.

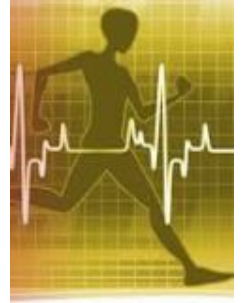


OBJECTIVE:

- At the end of the course, the student will be able to;
- Explain the normal functioning of all the organ systems and their interactions for well co-ordinate body function.
- Assess the relative contribution of each organ system towards maintenance of milieu interior
- List the physiological principles underlying the pathogenesis and treatment of disease.



- Name of the Department – **PHYSIOLOGY**
- Year of establishment - **2005**



Names of programs offered -

- **MBBS**
- **BDS**
- **Nursing**
- **Paramedical**
- **MD (Physiology)**
- **MDS**
- **PhD**



Interdisciplinary programs and departments involved -

- **Integrated teaching programmes with departments of Anatomy, Biochemistry, Anesthesia and Medicine.**



Examination System:

- **Annual**



- Participation of the department in the courses offered by other departments. Participating in basic postgraduate teaching programs of all department

Yes



Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)



	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	4	-
Associate Professor/Reader	2	1	-

* Excess professor shown as Associate Professor



	Sanctioned	Filled	
Assistant Professor	3	3	-
Tutor / Clinical Instructor	4	4	-

Dr. D.L.Ramachandra

- Qualification: **MBBS, MD**
- Designation:
Prof. & Medical Director
- Specialisation: **Physiology**
- Experience: **35 Years**



Dr. Ranganath .M.D

- Qualification: **MBBS, MD**
- Designation: **Prof. & HOD**
- Specialisation: **Physiology**
- Experience: **33 Years**



Dr. Mary Prem Jayarajan

- Qualification: **MBBS, MD**
- Designation: **Professor**
- Specialisation: **Physiology**
- Experience: **33 Years**



Dr. Prashanth Kumar M

- Qualification: **MBBS, MD**
- Designation: **Professor**
- Specialisation: **Physiology**
- Experience: **16 Years**



Dr. Jamuna B.L

- Qualification: **MBBS, MD**
- Designation:
Associate Professor
- Specialisation: **Physiology**
- Experience: **9 Years**



Dr. Priyanka Singh

- Qualification: **MBBS, MD**
- Designation:
Assistant Professor
- Specialisation: **Physiology**
- Experience: **4 Years**



Dr. Yogesh M.K

- Qualification: **MBBS, MD**
- Designation:
Assistant Professor
- Specialisation: **Physiology**
- Experience: **3.5 Years**



Mrs. Nishitha Mendonca

- Qualification:

M.Sc (Non Medical)

- Designation:

Assistant Professor

- Specialisation: **Physiology**

- Experience: **3 Years**



Dr. Shobhana Sahjananda

- Qualification: **MBBS**
- Designation: **Tutor**
- Specialisation: **Physiology**
- Experience: **3 Years**



Dr. Gopi Kumar M.S

- Qualification: **MBBS**
- Designation: **Tutor**
- Specialisation: **Physiology**
- Experience: **2.5 Years**



Dr. Rekha K. N

- Qualification: **MBBS**
- Designation: **Tutor**
- Specialisation: **Physiology**
- Experience: **2.5 Years**



Dr. Neelkanth Kote

- Qualification: **MBBS**
- Designation: **Tutor**
- Specialisation: **Physiology**
- Experience: **2 Years**



Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. D.L. Ramachandra	MBBS MD	Medical Director, Prof	Physiology	35
Dr. Ranganath .M.D	MBBS MD	Prof& HOD	Physiology	33
Dr. Mary Prem Jayarajan	MBBS MD, DNB	Professor	Physiology	33
Dr Prashanth Kumar M	MBBS MD	Professor	Physiology	16

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Jamuna B.L.	MBBS MD	Associate Professor	Physiology	9 Yrs 7 Months

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Priyanka Singh	MBBS MD	Assistant Prof.	Physiology	04
Dr. Yogesh M K	MBBS MD	Assistant Prof.	Physiology	3.5
Ms. Nishitha Mendonca	M.Sc	Assistant Prof.	Physiology	03

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Shobhana Sahajanand	MBBS	Tutor	Physiology	3
Dr. Gopikumar M.S	MBBS	Tutor	Physiology	2.5
Dr. Rekha K.N	MBBS	Tutor	Physiology	2.5
Dr. Neelkanth Kote	MBBS	Tutor	Physiology	2

List of senior Visiting Fellows, adjunct faculty,
emeritus professors -

- **Dr.Vasanth A Kulkarni**

Percentage of classes taken by temporary faculty
– program-wise information -

- **5%**

Program-wise Student Teacher Ratio –

- **MBBS - 10:1**
- **BDS - 33:1**
- **MD - 1:1**

Number of academic support staff (technical) and administrative staff:

Technician – 1

Computer Operator – 1

Attenders - 2

Non Teaching Staff with HOD



Research facility / centre with state
recognition/national recognition/international
recognition

- **Institute of Chest Disease**
- **Aerospace Lab**
- **Jayadeva Institute of Cardiology**
- **Kidwai Institute of Oncology**
- **NIMHANS**

Hematology Equipments



Human Lab Equipments



Stress Testing Equipment



Autonomic Function Testing



Hematology Lab



Charts & Spirometers



Evoked Potential Lab



PFT Lab



Publications:

Number of papers published in peer reviewed journals (national / international)

- **International – 11**
- **National - 09**

Faculty serving in

- a) National committees
- b) International committees
- c) Editorial Boards

- **Dr. D.L. Ramachandra**
- **Dr. Vasanth A Kulkarni**
- **Dr. Jamuna B.L**

Faculty recharging strategies - staff members undergone medical educational training at FAIMER / NTTC / inhouse / Regional center

- **Dr. D.L. Ramachandra**
- **Dr. Ranganath M D**
- **Dr. Mary Prem Jayarajan**
- **Dr. Prashanth Kumar M**
- **Dr. Jamuna B L**
- **Dr. Yogesh M K**
- **Mrs. Nishitha Mendonca**

Student projects

percentage of students who have taken up in-house projects including inter-departmental projects

- 15%

Doctoral / post doctoral fellows

- **Dr. D.L. Ramachandra**
 - **PG Diploma in Diabetology**
- **Dr. Prashanth Kumar M**
 - **PG Diploma in Diabetology**

Seminars/ Conferences/Workshops organized (national / international) with details of outstanding participants

Sl. No .	Date	Topic	Speaker
1	Nov,2011	Yoga and Physiology	Dr.Vasant A Kulkarni
2	April,2012	What is Normal in Physiology?	Dr.Mario Vaz
3	June 18 th , 2013	Innovative methods in teaching and learning of physiological basis of medical practice, a lab tutor programme	Mr. Jaya kumar

Code of ethics for research followed by the department

- **As per the recommendations of the institutional ethical committee.**

Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected Male Female	Pass percentage Male Female
MBBS		57 93 (2013-14)	Appearing for exams
MD			
FINAL YEAR		1 1	Yet to appear for exam
2 ND YEAR		1 2	
1 ST YEAR		2 2	

Diversity of students

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the state	% of students from other countries
MBBS (2013-14)	58.6%	41.3%	0.05%	Nil

- 3 students have cleared USMLE
- 1 PG student of department of Physiology has cleared IELTS

Student progression

Student progression	Percentage against enrolled
UG to PG	2 UG's of our college have joined our M.D programme
PG to M.Phil, DM / M Ch / DNB	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none">• Campus selection• Other than campus recruitment	
• Entrepreneurs	

Diversity of staff

Percentage of faculty who are graduates	
of the same university	20
from other universities within the State	75
from universities from other States	5
from universities outside the country	NIL

Departmental infrastructural facilities

- a) Library - **190 books in departmental library**
Journals: National (5), International (3), e-journals (2)
- b) Internet facilities for staff and students
Campus is Wi-Fi enabled
- c) Total number of class rooms
Four
- e) Research laboratories
One

Students' laboratories

Five

Accomodation	Amphibian	Mammalian	Haematology	Clinical
Area (Sqm)	200	80	200	200
Capacity (seats)	90	45	90	90

Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

- As per academic curriculum and syllabus of RGUHS
- Active Mentorship programme
- By regular alumni and departmental meetings

Student feed back programme

- Yes, by routine periodic assessment as prescribed by RGUHS

Details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Visit to

- Sanitorium
- Aerospace Lab
- Jayadeva Institute of Cardiology
- Kidwai Institute of Oncology
- NIMHANS

List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Lectures
- Interactive CD sessions
- Tutorials
- UG Seminars
- Hematology Practical experiments
- Clinical Examination Practicals

How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- CPA cards
- By regular assessment tests
- Interactive sessions
- Checking log books
- Checking practical manuals
- Internal assessment
- Assignments
- Integrated teaching programme

Participation of students and faculty in extension activities.

- Blood donation camps
- Tobacco awareness programmes
- Sports activities
- Quiz
- Inter college festivals

Details of “beyond syllabus scholarly activities” of the department.

- Quiz programme
- Participation in intercollegiate programmes

Program/ department accredited/ graded by
other agencies

- ISO 9001:2008 – Yes

The contributions of the department in generating new knowledge, basic or applied.

- By conducting interactive sessions in simulated mammalian and amphibian experiments

Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths –

- The department has full fledged qualified & dedicated faculty (computer savvy) who cater to the teaching of the following courses:
- We have a very well planned time table in place which is adhered to regularly.
- Regular tutorials, student seminars are being held for better academic performance.
- Counseling & Mentorship programmes are held regularly & corrective actions taken as & when required.
- Special classes are being conducted for under performers.
- In addition to the curriculum, value added courses, enrichment classes & CPA cards are being administered regularly to improve the academic performance of the students.

Weaknesses –

- Good governance system, timely & corrective actions by the appropriate committees have ensured that improvement is a continuous process there by eliminating all weakness from the system.

Opportunities –

- The visit by a team from the Sultanate of Oman has inspired us to look at it as an opportunity to expand our horizon of teaching beyond the borders of India.
- MOU with Adelaide and Melbourne university in offing.

Challenges –

We look forward to the challenges ahead with a view of:

- To provide quality education & research at cost effective level
- To meet excellence in service to the end users i.e the students & patients in particular & to the society in general.

Future plans of the department.

- In advance research and development programmes
- Research in the field of stem cell technology
- Genetic engineering
- National nutrition programmes
- Nano technology

