GOVERNMENT MEDICAL COLLEGE - PALI (RAJ)

PROSPECTUS
MBBS 2024 BATCH



Address: Government Medical College Pali, National Highway 62, Sumerpur Road., Ramasia, Hemawas, Dist. & Tehsil Pali,Rajasthan 306401

Website: https : // medicaleducation.rajasthan.gov.in/mcpali

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MESSAGE FROM THE PRINCIPAL

Dr. Dilip Singh Chouhan
Principal & Controller
GMC ,Pali

Dear Students,

It is my great pleasure, as Principal and Controller of the Government Medical College, Pali (Rajasthan), to welcome you all to this college.

The college got the letter of permission (LOP) on 25th May 2018 from the Medical Council of India (MCI) to admit 100 M.B.B.S students selected from NEET for the session of 2018.

The batch strength has increased to 150 in year 2019. This session is starting from **14th Oct. 2024.**

I congratulate you on your commendable achievement in securing admission to the MBBS course. Your pursuit, passion and talent earned you this unique opportunity.

You are the future of medical profession. In Government Medical College Pali, our dedicated and talented faculty, excellent infrastructure, up-to-date library facilities, museums, well equipped laboratories and multitude of modern services in our high-patient-load hospital, will launch you at the forefront of this profession.

You will get all the help and support that you need from the faculty members to feel at-home. I encourage you to interact with and approach faculties for help at any time you want.

I want you to earnestly make use of the coming years in this institution and tap into your unlimited potential to significantly contribute to the society, not only as a competent and compassionate doctor but also as a quality researcher, an innovative teacher and a laudable public servant.

I entrust you the responsibility to carry on the ethos of hard work, decency, discipline, team spirit, attitude of service, excellence in all-range of extra-curricular activities and above all, the spirit of persistent top performance in this institute.

Strive hard and utilize this valuable training to make this institution proud of your accomplishments.

My best wishes to you for a bright and successful career ahead.

MISSION STATEMENT

To be a leading institute in the progress of Medicine through the best medical education for future doctors advanced clinical services and cutting edge research in a culture supporting compassion for the human suffering and commitment to serve the underprivileged.

ABOUT PALI

Pali city is the district-headquarter of Pali district. The district, consisting of ten tehsils, is ranked 225th inIndia (out of a total of 640) in terms of population. It has a population density of 165 inhabitants per square kilometre.

LOCATION

The Government Medical College, Pali is located right on the National Highway 62. Its nearest major city is Jodhpur, the second largest city of Rajasthan, about 70 km towards north, hardly one hour drive by this four lane National Highway.

GMC Pali is about 5 km from Rajasthan Roadways bus stand in Pali city and only 6 km from Marwar Railway Junction, which is connected with Jodhpur, Ajmer, Ahmedabad and Udaipur. The nearest air- port is in Jodhpur.



INTRODUCTION

Government Medical College, Pali was established in 2017 under the auspices of Rajasthan Medical education society (Raj-MES). The institute obtained permission from MCI to admit 100 students for MBBS course in the year 2018-2019. We are admitting 150 UG. students fromYear 2019 & 33 PG. students from this year.

The Pali district consists of ten tehsils. The district has a large population, bestowing it a ranking of 225th in India (out of a total of 640). This institute meets the long awaited need of a medical college with cutting edge health care facilities for the sizable populace of Pali district. Pali city is a peaceful city with rich history and traditions.

Sprawling secure college campus of 32 acres is placed right on the NH 62 imparting unique advantage to the institute of fast connectivity. Its hospital wing, equipped with many modern medical services, is located in the centre of Pali city. Pali city is the district head quarter. City is well connected through its road and railways net- work, linking it with Jodhpur, Ajmer, Ahmedabad and Udaipur. Air conditioned library and sports facilities are available.

The foremost objectives of this institute are to offer highest quality medical education to the under graduate (M.B.B.S) students, to serve the underserved with premier medical care and add significantly to innovative medical research supported by the best and state of the art laboratories.

Government Medical College, Pali is committed to produce the best doctors with a passion to serve the mankind with competence, compassion and dedication.

HISTORY OF PALI

Pali is historically known as Pallika i.e. a trading centre. Even today it is also a hub of a rich textile industry earning it the name of the Industrial city. The city of Pali developed on the bank of the river Bandi (Hemawas) —a tributary of the famous Luni (Lavanavaty i.e. salty) river both of which originate from the western slopes of the Aravalli hills.

The Aravalli Range which forms the eastern edge of the pali district, is the oldest fold mountains of India. Geologic evidences tell us that prehistorically Aravalli was much higher than the younger Himalayas, but has now weathered into stubs of shallow hills.

As a part of the prehistoric Arbuda province mentioned in ancient Indian literature, this area was known as Balla-Desh. Arbuda mountains, the current Mt. Abu, and Balla are mentioned both in Rik Vedas and the Mahabharata. The Pandavas of the Mahabharata may have stayed near Bali, a town just south of Pali city during their exile.

Archaeological relics including those excavated from the Luni river-bed some of which can be seen at the local Bangur museum, include pieces from Kushana Age. Kushan King Kannishka had conquered Rohat and Jaitaran areas in Pali district, around 120 AD. During the sixth century A.D., this area was ruled by Emperor Harshavardhana who had conquered most of the present area of Rajasthan including Bhinmal in neighbouring Jalore district which was the birthplace of the Sanskrit poet Magha and mathematician-astronomer Brahmagupta.

Rajput rulers emigrated from the surrounding areas and established a stronghold here to resist the invasions from North-West. Between 10th to 15th centuries, boundaries of Pali extended to adjoining Mewar, Godwad and Marwar. The 16th and 17th century witnessed a number of battles in areas surrounding Pali. Army of Shershah Suri was defeated by Rajput rulers in the battles of Giri-Sumel in 1544-1545 near Jaitaran. The greatest ruler of Mewar, Maharana Pratap was born in Dhan Mandi Pali. Mughal Emperor Akbar's army had a series of battles with Maharana Pratap in Godwad area. After the Mughal conquest of almost whole Rajputana, Veer Durga Das Rathore of Marwar made heroic efforts to redeem the Marwar area from Aurangzeb, the last Mughal emperor. Pali has been a part of the Marwar kingdom until 1949, when the last ruling Maharaja acceded to join newly independent sovereign of India.







Contact Details of Hostel Wardens -

Boy's Hostel:

Dr. Sanjay Choudhary
Phone : 9460191676

Dr. Anil Bishnoi
Phone : 98290 06349

Girl's Hostel:

Dr. Manika Gaur
Phone : 63759 25641

AFFILIATIONS

Affiliated University

Rajasthan University of Health Sciences,
Sector-18, Kumbha Marg, Pratap Nagar, Tonk Road,
Jaipur (Rajasthan)

Vice-Chancellor

Dr. (Prof.) Dhananjai Agrawal
Rajasthan University of Health Sciences
Sector-18, Kumbha Marg, Pratap Nagar, Tonk Road,
Jaipur (Rajasthan)
INDIA 302033
Phone : +91-141-2790481
Fax : +91-141-2795550

Registrar

Shri Harphool Pankaj
Contact No.- 0141-2795548
Email: ruhsreg@gmail.com







INFRASTRUCTURE

COLLEGE CAMPUS AND BUILDING

The college campus ground sprawls across 32 acres. It is located in a green surrounding with Aravalli hills in the neighbourhood. In this new campus we have already started taking green initiatives planting plenty of trees.

Our four-storied college building houses four large lecture theatres, spacious examination halls, the council hall, the pre-clinical and para-clinical departments, the Dean's office complex, the administrative section, the common rooms and the canteen, all perfectly in compliance with National Medical Commission of India (NMC) criteria.

The large, air-conditioned lecture halls are equipped with integrated and advanced audio-visual teaching aids including multimedia projectors. The laboratories of the pre and para-clinical departments (Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Forensic Medicine, Community Medicine) and the Anatomy dissection hall, are all fully equipped with up-to-the-date equipments and accessories.

The safety of the whole campus is managed round the clock by security guards who are all ex-servicemen recruited through Rajasthan ex servicemen corporation limited (RESCO).











SPORTS FACILITY

Our college actively encourages all students to pursue various sports activities for their all round development and well being. The sports complex has badminton and volleyball courts, equipments for football and crickets.

COMMON ROOMS

The common rooms have facilities for indoor games like table tennis, chess, carrom etc. They are also furnished with adequate seating arrangements and television viewing areas.

GYMNASIUM

A healthy body is a critical ingredient to drive a healthy mind. Separate Gymnasium with multi-gym facilities is provided for boys and girls.

OTHER FACILITIES

HOSTEL

There are separate Boys' and Girl's Hostel. Hostel rooms are double seated. Each room is well-lit, well-ventilated and has an attached balcony. Every floor has sufficient number of bathroom complexes. There is a separate 50 room intern hostel.

MESS

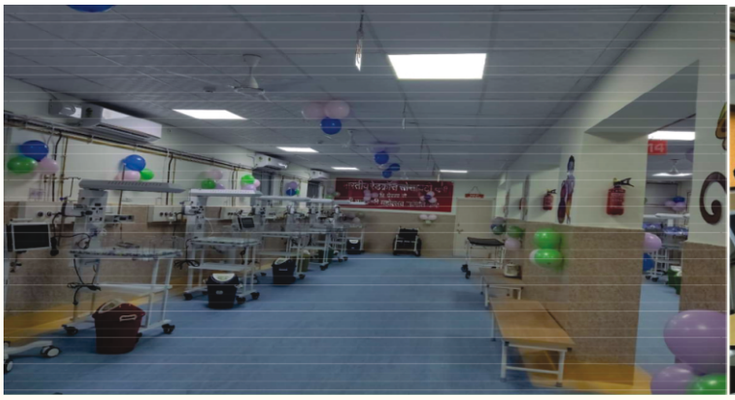
The mess complex with its spacious dining halls and modern kitchen complexes is catering healthy and hygienic food to the students. A mess committee consisting of faculties oversees the quality of food.

LIBRARY

The fully air-conditioned and Wi-Fi enabled central library is aimed for the needs of both the faculty as well as the students. It flaunts a gamut of text and reference books on the medical subjects. It also has provision of a computer facility with virtual library and e- classroom. The seating arrangement includes plenty of work-stations and additional seating spaces.

TRANSPORT

The college have transport options for students.




HOSPITAL SERVICES

The Bangur Hospital is affiliated to the Government Medical College Pali. The hospital was established on 13th Oct 1956 by donations given by several philanthropists of Pali city especially the owner of Umaid Mills, Mr. Bangur, as a humble 35 bedded hospital. The hospital is located in the heart of the city with a bed strength of 550, provides all modern amenities and services .

The dedicated staff handles around 3000 OPD and 650 in-patients on a daily basis. The Emergency trauma centre, ICU,ICCU SICU and PICU have skilled staff which has minimized referrals and critical care, is available to the residents within the city. The hospital has a well equipped laboratory, blood bank, dialysis unit, radiology unit (including CT machine), NCD centre, physiotherapy, oncology centre and mental health centre. A large number of patients within and around Pali are now turning to this hospital for better care.

Being a tertiary level Public health facility the hospital is a part of several National Programmes and State Government schemes which includes Chiranjivi Yojana,MNNRY,JSSY, DOTS plus centre, ART centre, and an excellent maternal and child care centre. Through its units for Immunization, Antenatal care, Family planning services, dietary centre and Marriage counseling centre and a modern IVF centre, the community gets prompt and specialized care.

The hospital has equipped ambulances for handling referrals. As this former district hospital gets upgraded to become the training ground for the new batch of medical students, several services are undergoing changes and adapting to their new responsible role of making skilled and seasoned young dynamic doctors. Around 81 ventilators and 6 dialysis units are available to save lives. All super specialities like neurosurgery, cardiology, nephrology etc are being opened to provide state of the art care. The blood bank provides blood component separation service within the facility.

Medical students who are getting trained here is going to have an excellent exposure in all specialities and will benefit from the large patient load and experienced faculty as they get chiseled to become budding doctors.

DURATION OF COURSE

The course of studies leading to conferring of degree of Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.) of the Government Medical College Pali is of duration of a minimum of four and a half academic years including one year of compulsory internship.

SESSION COMMENCEMENT

The curricular session is commencing on 14th Oct. 2024

ATTENDANCE

Attendance to MBBS theory and practical classes is compulsory. Percentage needed for being allowed toappear for University examination will be 75% in theory and 80 % in practicals separately as per the latest guidelines of RUHS and NMC.

Weekly Schedule

DAYS	8:00 - 9:45 AM PHYSIO / BIO PRACTICAL			09:45 - 10:45 AM	10:45 - 11:15 AM	11:15 - 12:15 PM	12:15 - 02:00 PM	02:00 - 3:00 PM
MON	A	B	C	Physiology	BREAK	Anatomy	Anatomy DH	PSM
TUES	B	C	A	Biochemistry		Anatomy	Anatomy DH	Physiology
WED	C	A	B	Physiology		Anatomy	Anatomy DH	Biochemistry
THURS	Biochemistry (8.00 - 9.00 AM)		(9.00 am onwards) 1st Anatomy 2nd Physiology 3rd Biochemistry 4th Family adoption			1st Anatomy 2nd Physiology 3rd Biochemistry 4th Family adoption	Anatomy DH	Physiology
FRI	Physiology			Physiology		Anatomy	Anatomy DH	Anatomy
SAT	Physiology 8.00 - 9.00 AM			Biochemistry 9.00 - 10.45 AM		Anatomy	Anatomy DH	1st Anatomy 2nd Physiology 3rd Biochemistry 4th PSM 5. Sports

SCHEME OF EXAMINATION

Internal Assessment-

There will be three internal assessment examinations in each preclinical subject. An average of the marks scored in the three internal assessment examinations will be considered as the final internal assessment marks. 50% combined in theory and practical (not less than 40% in each) for eligibility for appearing for University Examinations. Internal assessment marks are not to be added to marks of the University examinations and should be shown separately in the grade card.

Summative assessment (University Examination)-

There will be two theory paper for each subject of 100 marks each and Practical examination of 100 marks including grand viva. In subjects that have two papers, the student must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass in the said subject.



FACULTY MENTORSHIP

Each new student is assigned to faculty for personal mentoring. The students are encouraged to meet their mentors regularly and not just when they face problems. The program is aimed to provide individualized support to the students to help adjust to the new college and hostel life very quickly. The mentor-mentee relationship will go a long way to nourish all round growth of the students.

CO-CURRICULAR ACTIVITIES

There are plenty of opportunities round the year for students to express all their creative urges and hidden talents in the form of co-curricular activities.

In addition to Annual Fest— the major annual cultural festival, various competitive sports, arts and literary events are held throughout the year.

Provision of various clubs and activity groups for art, literature etc provide opportunities so that students can pursue their hobbies.

ANTI-RAGGING POLICY

As per directions of the Hon'ble Supreme Court of India, the Government has completely banned ragging in all forms both inside and outside the campus. The authorities of the Government Medical College Pali are determined not to tolerate any form of ragging. Any student taking part in or supporting ragging directly or indirectly shall have an FIR lodged against him/ her and will be suspended or rusticated from the institution and shall also be liable to be fined as per the rules.

Anti-Ragging Committee

Name	Mobile No.
Chairman of Anti Ragging committee	
Dr. Dilip Singh Chouhan, Principal & Controller	9001991078
Co- Chairman of Anti Ragging committee	
Dr. H. P. Toshniwal, Additional Principal	7728825789
Members of Anti Ragging Committee from Faculty	
Dr. R. K. Bishnoi, Superintendent, Bangur Hospital	8290495392
Dr. Kailash Parihar, PHOD, Department of Orthopedics	9414678301
Dr. H. M. Choudhary, PHOD, Department of Medicine	9414288621
Dr. Seema Laxman Jawalker, PHOD Department of Biochemistry	7972617593
Dr. Anoop Singh Gurjar, PHOD, Department of Anatomy	9929094165
Dr. Khemlata Tilwani, PHOD, Department of Physiology	9461343521
Dr. Sanjay Choudhary, PHOD, Department of PSM	9460191676
Dr. M. L. Lohiya, PHOD, Professor, Department of Surgery	9414127540
Dr. O. P. Suthar, PHOD, Department of Anesthesiology	9602271811
Dr. Nooren Mirza, PHOD, Department of Obstetrics and Gynecology	7891338899
Dr. Nidhi Singh, PHOD, Department of Dentistry	9897564974
Dr. Ritu Agarwal, Prof. Department of Anatomy	9413127347
Dr. Salil Dube, Prof. Department of Community Medicine (PSM)	9896436627
Dr. Anil Bishnoi, Professor Department of Surgery and Boys Hostel Warden	9829006349
Dr. Ritu Purohit, Professor. Department of Physiology	8295628182
Dr. Priyanka Kumawat, Asso. Prof. & Head Dept. of Pharmacology	9034910339
Dr. Rekha Sirvi, Associate Professor and HOD, Skin & V.D.	9460768688
Dr. Ankit Awasthi, Associate. Prof. and Head of Department of Psychiatry	8619685196
Dr. Praveen Garg, Asso. Prof. Department of Medicine	9982304310
Dr. Vipul Kumar Nagar, Asso. Prof., Department of Ophthalmology	9414425968
Dr. Gaurav Kataria, Asso. Prof. Department of Oto-Rhino-Laryngologist (ENT)	9463971250
Dr. Latika Nath Sinha, Asso. Prof. Department of Community Medicine (PSM)	7728821772
Dr. O. P. Rathore, Asso.Prof. And Head of Department of Radio-diagnosis	9461442815
Dr. Monika Gaur, Asstt. Prof., Dept. Of Pharmacology and Girls Hostel Warden	6375925641
Dr. Rajneesh Kanojia, Asstt. Prof., Department of Physiology	9460869669
Members of Anti Ragging Committee from Parents	
Mr. Ravindra Singh Soni	
Mr. Gajendra Singh	
Mr. Hiraram Choudhary	
Mr. Mahendra Malviya	
Mr. Gopal Singh Rajpurohit	
Mr. Mahaveer Prasad Sharma	
Mr. Sugna Ram Daukiya	
Dr. Dinesh Chauhan	
Mr. Wajahat Ahemad	
Members of Anti Ragging Committee fromStudents	
Mr. Mahipal, Batch 2019	
Mis. Kumkum Sharma, Batch 2019	
Mr. Gajendra Rajpurohit, Batch 2020	
Mr. Parvat Singh, Batch-2021	
Mis. Kavita Samota, Batch-2021	
Mr. Harshit Ranga, Batch-2022	
Mis. Pratika Kriplani, Batch- 2022	
Members of Anti Ragging Committee from Other Agencies	
Dr. Rajesh Goyal *(A.D.M. Pali)*	9414493101
Mr. Ratna Ram, *DY. S. P.(RURAL), PALI*	8112214141
Mr. Rajeev Dave *(Reporter Rajasthan Patrika)*	9636375416



FACILITIES

- The Department of Anatomy at Medical College, Pali is on the ground floor of the academic block. It comprises of well trained and experienced faculty members.
- The Department consists of air conditioned dissection hall that is well lighted, equipped with multi-media, provided with models, charts, skeleton. It is also provided with a mortuary cooler for storage of cadavers. Human cadavers are available for dissection purpose.
- Museum is equipped with models of gross anatomy, embryology and neuroanatomy. It also have articulated and disarticulated skeletons and carefully selected X-ray, CT, MRI films for student learning activities.
- The Department is equipped with a furnished, spacious, well ventilated histology laboratory with binocular microscopes and a slide projecting microscope with screen for demonstration of histologicalslides.
- Research laboratory
- Departmental library has latest books and journals.
- Demonstration rooms

DEPARTMENT OF ANATOMY

INTRODUCTION

Anatomy forms the basis for the practice of Medicine. Students will need a sound knowledge of human body as they venture into the clinical domain. The Department of Anatomy is committed to providing quality education, conducting research, addressing the fast evolving needs of the medical education and society.

AIM

To provide competency based medical education with various methods of teaching and training which is more learner-centric, patient-centric, more gender sensitive, outcome oriented and environment appropriate.

OBJECTIVES OF PROGRAM (MBBS)

- Student should understand 82 topics under required 409 competencies.

  Competency: The habitual & judicious use of communication, knowledge, technical skills, clinical reasoning, emotions, values and reflection in daily practice for the benefit of the individual and community being served.

- Student should be able to demonstrate knowledge of normal human structure, development from a molecular, cellular, biologic, clinical, behavioral & social perspective.

- To develop the highest standards of ethical and professional conduct.









TEACHING ACTIVITIES

The anatomy have a balanced approach with a combination of didactic lectures, dissection, demonstration of cadavers, problem based learning and small group discussions. Lectures are made interesting and lively with use of multimedia.

TENTATIVE TEACHING SCHEDULE

Foundation Program :

14th Oct. 2024 to 28th Oct. 2024

Anatomy teaching schedule:

29th Oct. 2024 to 30th Sept. 2025

Detailed time table available on college website



Teaching faculty

Professor and Head	Dr. Anoop S.Gurjar
Professor	Dr. Ritu Agarwal
Assistant Professors	Dr. Samta Gaur
Senior Demonstrator	Dr. Ravi Kumawat
	Dr. Naval Kishore
	Dr. Rakesh Kumar
	Dr. Nem Singh
PG. Residents	Dr. Aditi Singh
	Dr. Kiran Kanwar
	Dr. Amit Joshi
	Dr. Suresh Choudhary

Reference books

1. Gray's Anatomy
2. Gray's Anatomy for Students
3. Snell's Clinical Anatomy
4. Atlas: Netter's/ Sabota's atlas/ Grant's atlas
5. Osteology by Faruqi / Inderbir Singh /A. Halim
6. Genetics: G P Pal
7. Moore, Persaud (Before we are born)

Suggested Books:

1. **Dissector:**
   Cunningham/Thieme/Grant's
2. **General Anatomy:**
   Hand Book by BD Chaurasia / V Subhadra Devi
3. **Gross Anatomy (Any one set):**
   a) B D Chaurasia Vol 1,2,3,4
   b) Inderbir Singh Vol 1,2,3
   c) Vishram Singh Vol 1,2,3
   d) Snell's Regional Anatomy
4. **Histology: (Any one)**
   a) Inderbir Singh
   b) Sontakke text book of Histology
   c) De Fiore's
5. **Embryology : (Any one)**
   a) Inderbir Singh
   b) Sontakke text book of Embryology
   c) Langman
6. **Neuroanatomy: (Any one)**
   a) Snell's Neuroanatomy
   b) Vishram Singh
   c) Inderbir Singh
7. **Manual or record book**
   a) Krishna Garg for gross
   b) Histology Manual Jaypee
8. **Surface and Radiological anatomy**
   a) Ashwini C Appaji

DEPARTMENT OF PHYSIOLOGY

WHAT IS PHYSIOLOGY

Human physiology is the study of how the human body functions. This includes the mechanical, physical, bioelectrical, and biochemical functions of humans in good health, from organs to the cells of which they are composed. The human body consists of many interacting systems of organs and physiology is studied through these organ-system. Organ systems are collections of cells, tissues and organs, which have dedicated functions in the body. In the human body, the organ-systems are the nervous system, endocrine system, cardiovascular system, respiratory system, urinary system, musculoskeletal system, integumentary system, reproductive system, digestive system, and immune system.

These organ system interact to maintain homeostasis, keeping the body in a stable state with safe levels of substances such as sugar and oxygen in the blood. In addition these systems regulate the internal environment of the body, maintaining blood flow, posture, energy supply, temperature, and acid balance (pH). Thus, each system contributes to homeostasis, of itself, other systems, and the entire body.

Human physiology is closely related to Anatomy & Biochemistry in that Anatomy is the study of form, Physiology is the study of body function, and there is an intrinsic link between form and function whereas biochemistry is the study of body functions at molecular level.

The study of physiology integrates knowledge across many levels, including biochemistry, cell physiology, organ systems and body as a whole. As a discipline, it connects science, medicine & health and creates a framework for understanding how human body adapts to stresses, physical activity and disease.

“The Physiology of today is the medicine of tomorrow.”
Ernest E. Starling, Physiologist (1926).

Teaching Faculty

Professor & Head	**Dr. Khemata Tilwani**
Professor	**Dr. Ritu Purohit**
Associate Professors	**Dr. Madhurima Maheswari**
Assistant Professors	**Dr. Gautam Chand Sirvi** **Dr. Abhinav Purohit** **Dr. Rajnish Kanojia** **Dr. Sudhir Joshi**
PG. Residents	**Dr. Rekha Choudhary** **Dr. Bhanu Priya Sandu**

Detailed List of Topics	**No. of Classes (130)**
General Physiology & Biophysics :	04
Nerve Muscle Physiology :	10
Blood :	20
Gastro-Intestinal System :	12
Respiratory System :	12
Cardio-Vascular System :	20
Endocrine System :	20
Excretory System :	11
Reproduction :	11
Central Nervous System :	22
Autonomic Nervous system :	04
Special sensory System :	12
Skin :	02

RECOMMENDED BOOKS

Theory :

Textbook of Medical Physiology	GK Pal 3rd ed
Medical Physiology	Indu Khurana
Text Book of physiology	AK Jain

Practical :

Practical physiology	CL Ghai
Manual of Practical physiology	AK Jain

REFERENCE THEORY BOOKS :

Text Book of Medical physiology	AC Guyton
Review of medical physiology	WF Ganong

LIST OF DEMONSTRATIONS & PRACTICALS CLASSES IN HEMATOLOGY

1 Microscope
2 Common Objects
3 Blood Film Preparation & Staining
4 Identification of WBCs
5 DLC
6 Arneth Count
7 Hemocytometry
8 TLC
9 TRBC
10 Hemoglobin Estimation
11 Blood Group Determination
12 BT & CT
13 Blood Indices
14 ESR & PCV
15 Platelet Count
16 Reticulocyte Count
17 Osmotic Fragility

LIST OF DEMONSTRATION & PRACTICAL CLASSES IN CLINICAL HUMAN LAB

1 Stethography
2 Spirometry
3 General Physical Examination
4 Clinical Examination of Gastrointestinal System
5 Clinical Examination of Respiratory System
6 Clinical Examination of Cardiovascular System
7 Blood Pressure Determination
8 Effect of Exercise on Blood Pressure
9 ECG– Recording & Interpretation
10 Examination of Motor System
11 Reflexes
12 Examination of sensory system
13 Perimetry
14 Visual Acuity & Color Vision
15 Cranial Nerve Examination





LIST OF DEMONSTRATION & PRACTICAL CLASSES IN AMPHIBIAN LAB

1. Amphibian Experiment Instruments
2. Frog's Gastrocnemius Muscle Nerve Dissection
3. Recording of Simple Muscle Curve (SMC)
4. Effect of Temperature on SMC
5. Effect of Two Successive Stimuli
6. Clonus
7. Tetanus
8. Effect of Load
9. Genesis of Fatigue
10. Determination of Nerve Conduction Velocity
11. Recording of Normal frog's cardiogram
12. Effect of Temperature on Cardiogram
13. Effect of Stimulation of Vagus Nerve
14. Effect of Stanneus Ligature
15. Effect of Electrolytes on Frog's Heart

DEPARTMENT OF BIOCHEMISTRY

Introduction

Biochemistry is the application of the understanding of chemical principles to mechanisms of biological processes. It is both a life science as well as a chemical science;thus, it spans a wide diversity as a discipline. This relatively modern subject started to become a discipline in its own right only around the beginning of the 20th century when scientists could combine the rigor of chemistry to the then empirical sciences of biology and physiology to decipher the molecular basis of the all life processes.

In Biochemistry you will learn about the complex organic molecules involved in life processes, and how they interact to create the dynamic living structures like cells, tissues, organs and organisms in good health as well as in disease conditions. The most obvious applications of biochemistry are in diagnostic clinical biochemistry and biomedical research. All the diseases covered in modern medicine, from disease of blood sugar derangements, to degenerative brain conditions like Alzheimer disease, to dysregulated and destructive tissue growth eg cancer, are studied at molecular and chemical levels in this subject. Biochemistry itself also interfaces into other disciplines of medicine. As for example, how drug molecules abate diseases which will be later covered in more detail in the subject of Pharmacology will also be initiated in this subject.

As a first-year medical student Biochemistry will provide you with a solid foundation for understanding all the subjects of second and third Professional MBBS. Additionally, it will evoke keen interest in basic research, which doctors are encouraged to pursue.

Aim

To provide competency based learning with an advanced integrated knowledge and understanding of core topics and their experimental basis, and to help students apply this knowledge towards solving clinical problems.



Teaching Faculty:-

Professor & Head	Dr. Seema L Jawalekar
Associate Professors	Dr. Garima Gupta
Assistant Professors	Dr. Shesharam Patel
Senior Demonstrators	Dr. Sumitra Mr. Vasudev Sankhla

Suggested text books:

1. Biochemistry 6th edn by Pankaja Naik
2. Text book of Biochemistry 10th edn by D M Vasudeven
3. Lippin Cott ilustrated Reviews : Bio Chemistry edited by Ritu Singh & Rajeev Goyal, wolters kluwer second south asian edition.

Suggested reference books:

1. Medical Bio Chemistry, 6th edition by John Baynes & Marek Daminiczak
2. Harper's Illustrated Biochemistry 32nd Edition by Victor W. Rodwell, David Bender, Kathleen M. Botham, Peter J. Kennelly, P. Anthony Weil), McGraw-Hill Education, 2023.





DEPARTMENT OF COMMUNITY MEDICINE

Community Medicine is an expansion of the humanitarian tradition in medicine and includes prevention of disease, promotion of health and administration of medical services that are cited in the principles of Primary Health Care. It helps undergraduates to understand existing socio-demographic and economic profiles, health systems, community dynamics, principles of equitable distribution, community participation, appropriate technology and inter-sectoral co-ordination for finding solutions to mankind's health problems. Finally the inclusion of the spiritual dimension in the strategy for health for all calls for a holistic approach not only to health and disease but to life itself with a focus on "Positive Health" and "Wellness".

The Department at Pali Medical college has highly qualified and experienced faculty to make this subject interesting and generate "change makers" who will be an asset to the community they will finally serve. The supporting staff comprising of Lab technicians, social workers, Health educators further the mandate of thedepartment with their expertise and dedication to field activities.

The department at the medical college is equipped with a Museum, well stocked library, Demonstration room and Seminar room with state of the art amenities.

FACULTY DETAILS

Professor and Head	Dr.Sanjay Choudhary	Senior Demonstrator	Dr. Narpat Ram
Professor	Dr. Salil Dube		Dr. Mahesh Siyak
	Dr. LaxmiKant		
Associate Professor	Dr. Latika Nath Sinha		
Assistant Professors	Dr. Daljeet Kaur		
	Dr. Yachana Choudhary		
	Dr. Gita Shree Dutta		

RECOMMENDED BOOKS

Sr. No.	Author	Title	Publisher
1.	K. Park	Park Textbook of Preventive and Social Medicine	Banarsi Das Bhanot
FURTHER READINGS			
2.	Rajiv Bhalwar	Textbook of Community Medicine	Wolters Kluwer
3.	A. M. Kadri	IAPSM Textbook of Community Medicine	Jaypee
4.	A.H. Suryakantha	Community Medicine with Recent advances	Jaypee
5.	D.K. Mahabalaraju	Essentials of Community Medicine practicals	Jaypee
6.	Poornima Tiwari Shashank Tiwari	Mastering Practicals -Community Medicine	Wolters Kluwer
7.	D. K. Taneja	National policy and National Health programmes	Jaypee
8.	Rajkumar Patil	Community Medicine Practical Manual	Elsevier
9.	B.K. Mahajan	Basic Biostatistics	Jaypee
10.	V.R. Sheshu Babu	Review in Community Medicine	Paras Medical Books
11.	Dr. J.V. Dixit	Principles and practice of Biostatistics	M/s Banarasi Das Bhanot
12.	P.V. Sathe and A.P. Sathe	Epidemiology and Management for health care for all	Vora Medical Publications
13.	O.P. Ghai and Piyush Gupta.	Essentials of Preventive Medicine	S Chand & Co.

RULES AND REGULATIONS FOR GIRL'S HOSTEL

- The students must remember that, the hostel is the home of the students in the campus & they should behave themselves in the campus premises as well as outside in such manner so that dignity of the institution is maintained.

Behaviour And Discipline

- Residents are expected to display acceptable forms of behaviour anywhere within the hostel compound and the Institute premises.
- Pranks, ragging and rowdy games in any form are strictly prohibited.
- Residents shall always dress in appropriate attire within the hostel vicinity and in college campus, library. (Wear decent clothes)
- Possession and consumption of intoxicants and any kind of substance abuse is strictly prohibited in the hostel and institute premises and on outside official visits such as training/tour/camp/field work etc. Any infringement of this order or visiting any place declared out of bounds to students will result in disciplinary action against the students concerned.
- No student shall bring or store any firearm, ammunition, explosive and inflammable goods on the premises of the hostel.
- Celebration of Festivals and Birthdays: Student shall take prior permission of the Rector/Campus Administrator for celebrating any festivals and birthdays. Birthdays should be held in a common place for one to two hours between 8.00 pm to 10.00 pm. There should not be any kind of physical discomfort. No outside guest or interference of any kind will be allowed.
- Pets: Students shall not bring and/or keep any pets in the premises including fish, cats, dogs, and so on. Students should desist from pampering stray dog by offering food, petting them etc.
- It is mandatory for students residing in the Hostel to join the mess attached to the hostel. Hostellers are required to dine in the dining hall. No hosteller is permitted to take food in the room except for those reported sick with prior permission of hostel warden.
- Individual cooking is not permitted. They are not allowed to cook anything in their rooms.
- Every hosteller shall pay the mess bill and other charges as per the notified schedule failing which fine will be imposed as decided by the hostel authority.
- Having meals inside the hostel room unless medically advised and endorsed by the Rector / warden.
- If anything goes wrong with any student from 6:00 AM to 10:00 PM i.e, the time limit when the student can remain outside the hostel without any kind of permission, student and his/her parents will be responsible for any kind of problem, and the authorities do not own any responsibility for the same.
- The hostellers must make entry in the "in/ out Register" kept at hostel.
- Any kind of misbehave with hostel warden/matron/staff/Guards is punishable.Taking part directly/indirectly in any movement or agitation or strike of students in the institute for any reason whatsoever will attract punishment, rustication, or expulsion, which in the opinion of the Principal & Controller /Academic incharge is subversive to the discipline of the institute.

Upkeeping of The Hostel

- Residents are responsible for the up-keeping, cleanliness, and tidiness of their rooms always including the common areas in the Hostel, such as the lounge area, dining room and bathrooms for the convenience of the next users.
- A Resident should check the fittings & fixtures in her room at the time of occupation. If there is any deficiency or inadequacy, it should be brought to the notice of the hostel staff. The Resident shall be responsible for the fittings and fixtures of her room and shall see to it that they are in order at the time of handing over of the room when she leaves the hostel.
- Use of electrical appliances like heaters, hotplates, etc, in the hostel rooms is strictly prohibited.
- All fans, light and electrical appliances must be switched off when not in use.
- Common Hostel furniture property must not be moved from its existing position/place without the consent of the Hostel Authority.
- Alteration of furniture, fixtures etc. provided by Hostel authorities is strictly prohibited.
- All Communications regarding any problem of a girl student must be routed through the warden.
- Air conditioners installation is not allowed without prior permission and submission of electricity charges as per decided by the institute. Student themselves will be responsible for the installation, uninstallation charges and all the repair work required for the same. No student can block/allot room permanently based on AC installation. Institute reserve all the rights to change/shift/shuffle the rooms anytime irrespective of AC installation. Those Students who have installed AC must pay a separate AC Charges/Bill on yearly basis in advance.

Visitors

- Parents/Guardians should give an undertaking to cooperate with the Hostel authorities and should be available on call as and when required and disclose all contact details.
- Visitors are allowed into the visitor's room area during the following visiting hours :-8:00 am to 7:00 pm.
- All visitors must register at the Security Counter of Girls' Hostel and provide all detail and documents for verification as requested by Security Guard.
- No male person (even father) will be allowed inside the Girl's Hostel.
- No visitor shall be allowed to loiter around the Hostel vicinity except the visiting room.
- Visitors are NOT allowed to use the hostel facilities.
- Visitors are not permitted to stay overnight in the Hostel without the prior consent of the Matron / Warden / Hostel Management.
- Permission must be taken from the warden regarding stay of a female relative in the Girls' Hostel.
- Residents are not permitted to allow visitors (including Residents) of the opposite gender into their rooms at any time. The Hostel Section reserves the rights to evict any Residents who do not comply.
- Engineers/ mechanics/masons/labors etc. other than authorized by college authorities shall not allowed to enter the rooms in any case. Persons attending personal complaints of the residents, like repairs of computer, laptop or any other equipment are not allowed to enter the rooms. All such type of complaints is to be attended in Visitors area only.
    - Mondays to Friday – 8:00 AM to 7.00 PM.
    - Saturday & Sundays –8:00 AM to 7.00 PM.

- For the safety of all Residents, the followings are to be observed
- Residents must return to the Hostel by 8:00 PM in winters and 9:00 PM in summer daily for their own safety. (Winters – 1st October to 31st March)
- If any girl student has go to the town for any work, she must write the purpose, place, time of leaving and time of return in the register with the security guard on duty. She must return to the hostel latest by 7:30 P.M. during the months of March to October and latest by 6:30 P.M. during the months of November to February.
- Resident who needs to stay out after the stipulated time must take prior permission from the Warden / Matron and sign a declaration of their purpose in writing well in advance. It is necessary to furnish the details like, their contact numbers, expected return time and their whereabouts during the allowed time.
- Residents are not allowed to stay outside the hostel overnight for their own safety.

    - Resident who needs to stay outside the hostel can be permitted only if their parents or local guardian are with them. For this, parents or local guardian must make a declaration of their purpose; furnish their contact details and expected returns date and time. This permission is to be obtained from the Warden, in writing prior.
    - Prior permission of the warden must be taken by the girl student for leaving to their homes.

Security

- Residents are responsible for all their personal belongings and valuable items like cell/mobile phone, laptop, computer, watches, and money etc and should ensure that door and windows of their rooms are properly secured at all times. The Institute is not responsible for any loss of personal item.
- Employment of a private servant is not allowed in the hostel.
- Offering of payment / Tips, rewards, token of appreciation or gifts in any kinds for any services rendered by any worker of hostel is not allowed.

Emergency

- In case of emergency outside office hours, please contact (i) The Warden / any other hostel authorities available at that point of time

Medical aid

- First aid Kit is available with Security guard/ sick room.
- Any case of illness shall be reported to the Medical Officer / Hostel Authorities immediately.
- If necessary, the resident will be shifted to the hospital at the discretion of the Medical Officer.
- 24 x 7 ambulance service is available for all students.

Hostel Facilities

- Cleanliness of the room is to be maintained by the studentsthemself.
- Laundry Area – Residents mustalways keep the area clean and tidy. Keep the washing agents at the proper area provided.

- Gym Fitness Room –Table Tennis/Badminton – Residents are required to draw the rackets, etc from the Lady Guard and return it intact after their use.

Revision Of Rules and Regulations

- The Institute reserves the Rights to revise the Rules & Regulations, Terms & Conditions from time to time and will keep the residents informed of any changes in the form of memoranda and/or notices on the Notice Boards.
- A resident residing at any of the hostel under the purview of this institution is governed by the rules and regulations herein mentioned.
- Residents found breaking any Rules & Regulations, Terms & Conditions at any hostel(s) under the purview of this institute are liable for expulsion from the hostel / disciplinary action.

- ***A safety and pleasant stay in hostel depend on all co-operation and consideration of each resident of the hostel.***

GENERAL INSTRUCTIONS

1. Students must follow the discipline in the college campus.

2. Entry in the college building through the designated gate.

3. Students must wear proper uniform i.e Grey Trouser and Camel color shirt for boys, Camel color Salwar suit for girls and black color sweater in winters.

4. Students must carry Identity Card issued by the college authorities.

IMPORTANT CONTACT DETAILS-

1. Dr. Dilip Singh Chouhan, Principal & Controller – 90019 91078
2. Dr. Hanuman P. Toshniwal, Additional Principal & HOD, Pathology – 77288 25789
3. Dr. R.K. Bisnoi, Medical Superintendent & HOD, Peadiatric Medicine – 82094 95392
4. Dr. Anoop Singh Gurjar, HOD, Anatomy - 9929094165
5. Dr. Khemlata Tilwani, HOD, Physiology - 9461343521
6. Dr. Seema Laxman Jawlekar, HOD, Biochemistry - 7972617593
7. Dr. Priyanka Kumawat, HOD, Pharmacology - 9034910339
8. Dr. Sanjay Choudhary, HOD, Community Medicine - 9460191676
9. Dr. Om Prakash Suthar, HOD, Anaesthesia – 96022 71811
10. Dr. Kailash Parihar, HOD, Orthopedics - 9414678301
11. Dr. M.L. Lohiya, HOD, General Surgery - 9414127540
12. Dr. H. M. Choudhary, General Medicine - 9414288621
13. Dr. Vipul Kumar Nagar, HOD, Ophthalmology – 94144 25968
14. Dr. Bal Gopal singh Bhati, HOD, OBG – 7891338899
15. Dr. Gaurav kataria, HOD, ENT - 9463971250
16. Dr. Ankit Awasthi, HOD, Psychiatry - 9829737077
17. Dr. Rekha Sirvi, HOD, Skin and VD - 9460768688
18. Dr. Om Prakash Rathore, HOD, Radiodiagnosis - 9461442815
19. Dr. Nidhi, HOD, Dentistry – 9897564974

Photo Gallery

















Photo Gallery



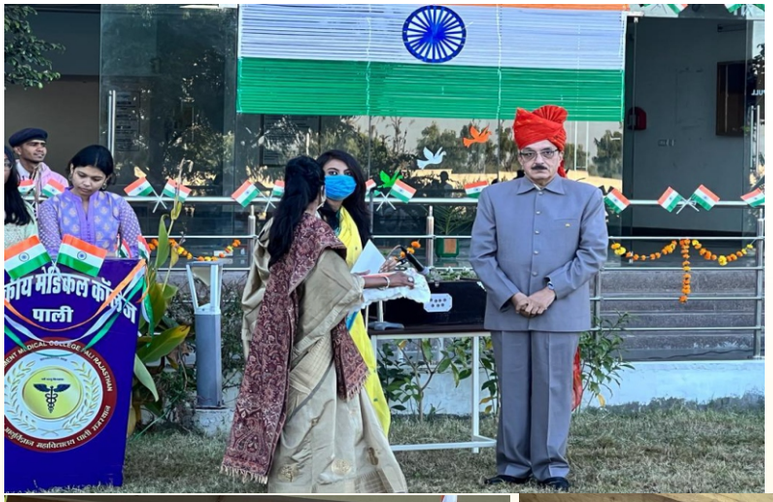








Photo Gallery



















COLLEGE CONTACT DETAILS

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