

Page1: Overview/Biochemistry

Biochemistry is a basic science that constitutes the foundation of working of living beings at cellular and molecular level. Medical biochemistry deals with biochemical basis of functioning of all systems in human body. In case of disease, biochemical investigations help physician to reach at a diagnosis. It connects science, medicine and health and creates a framework for understanding how the human body adapts stresses, physical activity and disease. This understanding enables students correlate between biochemistry of a disease and its treatment, contributing to the development of the core skills of a competent doctor.

Biochemistry department of Government Medical College, Nandurbar conducts regular teaching including didactic lectures, invited special orations, quizzes, practicals, small group discussions and student seminars on regular basis. The department is equipped to fulfill students need and make them well trained medical professionals, especially in accordance with the latest CBME based curriculum by Bharat National Medical Commission.

Curriculum:

As per the MUHS Nashik, available at
http://www.muhs.ac.in/upload/syllabus/phase1_060812012_1233.pdf.

Goal:

1. To provide comprehensive knowledge of biochemical basis of normal functioning of body.
2. To understand biochemical basis of diseases, Nutrition and Molecular biology.

Educational Objectives:

1. At the end of the course students will be able to describe the biochemical basis of disease. Biochemistry of various compounds, their metabolism and interactions of various pathways for well coordinated total body functions.
2. To understand the relative contribution of major biochemical compounds and their metabolism pathways in homeostasis.
3. To understand the clinical correlation of biochemical parameters with various diseases.

Skills: Students should be able to

1. Conduct experiments designed for study of biochemical functions.
2. Interpretation of various biochemical test results which he/she performs and observe in the laboratory.
3. Diagnose the disease condition based on laboratory reports.

Page2: FACULTY**Head of the Department: Dr. Trupti Diwan Ramteke** (MBBS MD , DNB)

Sr. No	Name	Post	Qualification	Email id
1	Dr. Trupti Diwan Ramteke	Associate Professor	MBBS,MD	drtruptiamesh@gmail.com
2	Dr. Sarika Argade	Assistant Professor	MBBS,MD	dr.sarikaargade14@gmail.com
3	Miss, Pranita Kambale	Assistant Professor	M.Sc (Medical Biochemistry)	pranitakamble833@gmail.com

List of non-teaching staff:

Sr. No.	Name of Staff	Post
1.	Shri. Sabir. S.Kazi (Regular)	Technician (Department)
2.	Mrunali Sonawane	Technician (Department)
3.	Sonali Gavitt	Technician (Department)
4.	Rahul Shirsath	Technician (Department)
5.	Tejaswini Sabale	Technician (CCL)
6.	Vijay Bagul	Technician (CCL)
7.	Silviya Vasave	Technician (CCL)
8.	Rina Tadvi	Technician (CCL)
9.	Dhanraj Pawar	Technician(CCL)
10.	Twinkle Vasave	Technician (CCL)
11.	Manika Vasave	Technician (CCL)
12.	Suhas Naik	Technician (CCL)
13.	Ankit choudhari	Technician (CCL)
14.	Uday Vijaykumar Bagul	Junior Clerk (Department)
15.	Bharati Pawar	Junior Clerk (CCL)
16.	Govinda Fulpagare	Junior Clerk (CCL)
17.	Dinesh Patil	Peon (Department)
18.	Himant Pawara	Ward Boy (CCL)
19.	Bharatsing Pawara	Ward Boy (CCL)
20.	Mangesh Padvi	Ward Boy (CCL)
21.	Kiran Pawara	Ward Boy (CCL)
22.	Swapanil Mali	Ward Boy (CCL)

Page3: Duties and Responsibilities-

Professor in Biochemistry:

1. To teach UG & PG students in subject.
2. To take tutorial classes.
3. To arrange teaching programme of department in consultation with dean.
4. To guide & conduct research in subject.
5. To be in charge as Head of Department (HOD)
6. To do any other work that may be assigned to him by Dean.

Associate Professor in Biochemistry:

1. To look after the work of Biochemistry
2. To be responsible for lecture, demonstration & practical classes in the subject & any other department work assigned by professor & Dean.
3. To take part in research work & also to help professor in supervision of departmental work, store & verification, clinical biochemistry laboratory.
4. To perform any other duties so may be allotted by the professor & Dean in the interest of departmental work.

Assistant Professor in Biochemistry:

1. To assist the professor in teaching the subject
2. To conduct tutorials and demonstration.
3. To arrange and supervise the practical in the department.
4. To prepare samples for laboratory practical when required.
5. To assist professor in research.
6. To be responsible for the stores and laboratories under his/her charge.
7. To do duties assigned by the professor or Dean of the college.

Page4: FACILITIES

The department of Biochemistry is well equipped and consist of following laboratories:

1. Biochemistry laboratory
2. Central Research laboratory

All the laboratories are provided with adequate infrastructure and equipments to accommodate 25 students.

Equipments:

The department has all the necessary equipments as per NMC norms.

Dr. Trupti Diwan Ramteke

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2. Trupti Diwan Ramteke , Avinash Namdeo Jadhao² , Tejaswini Sonawane. Correlation between serum ldh(lactate dehydrogenase) and ggt(gamma glutamyl transferase) levels with cervical cancer progression:
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3. Sharma A, Maksane S, Ramteke T, Niyogi NG. Dyslipidemia and Covid 19 in an Indian population: An observational study. Int J Med Health Dev 2024;29;144-50
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11. Avinash Jadhao, Amit Barapatre, Manoj Lokhande,Trupti Ramteke. Atherogenic lipid profile of intrauterine growth retarded newbornsInternational Journal of Advancesin Medicine. Int J Adv Med. 2016Aug;3(3):748-754

Dr. Sarika Argade

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- Dhawale A, Bokankar D, Aragad S, kale B, Bisalbuminemia: An Uncommon finding on Serum Electrophoresis. Journal of Clinical And Diagnostic Research . 2022 Aug, Vol- 16(8):BD01- BD02.
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Miss. Pranita Kamble

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