

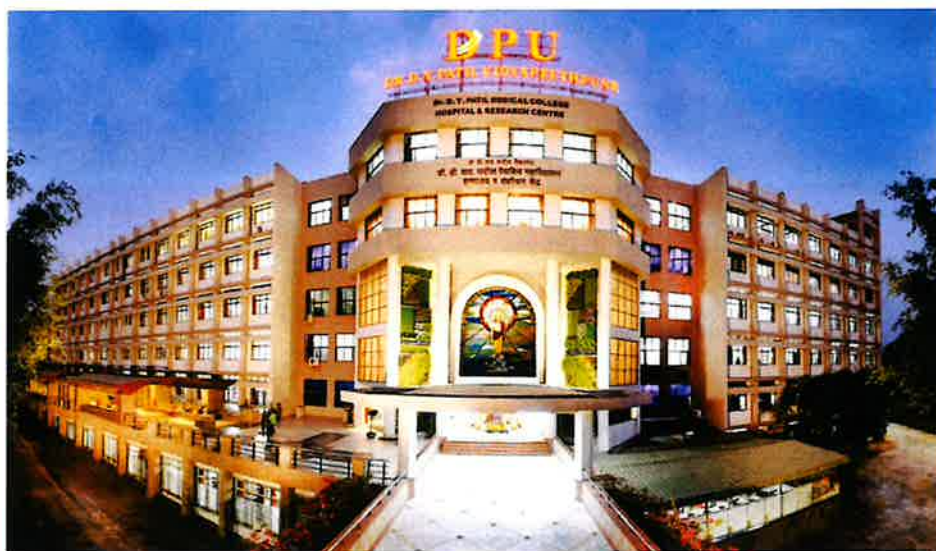


Dr. D. Y. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE, PIMPRI, PUNE.

(NABH Accredited Hospital) | (NABL Accredited Laboratories) | Ranked 15 in Medical Category NIRF Ranking 2023

Dr. D.Y. PATIL VIDYAPEETH, PUNE (Deemed to be University)

(Re-accredited by NAAC with a CGPA of 3.64 on a four point scale at A++ Grade)



DEPARTMENT OF BIOCHEMISTRY

Presents

VALUE ADDED COURSE GOOD LABORATORY PRACTICES IN CLINICAL LABORATORY


Dr. J.S. Bhawalkar
Dean
Dr. D.Y. Patil Medical College,
Hospital & Research Centre,
Pimpri Pune - 411018

Good Laboratory Practices in Clinical Laboratory Academic Year (2022-23)



In the present era of rapidly evolving technology and evidence-based medicine, Good Laboratory Practices (GLP) play an important role in ensuring, consistency, reliability, reproducibility and quality of laboratory tests. It provides a frame work for laboratories to plan, perform, monitor record and report their activities. It also reflects the quality of laboratory services during any assessments and accreditation process. All over the world the laboratories use GLP to improve the quality of their work, to improve patient care given by clinicians and also to improve safety of staff who works in the laboratories

Dr. J.S. Bhawalkar
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Dr. D.Y. Patil Medical College,
Hospital & Research Centre,
Pimpri Pune - 411018

PROGRAMME

Good Laboratory Practices in Clinical Laboratory

COURSE OBJECTIVES

- Have basic understanding of GLP
- Understand the components of GLP
- Implement the SOP of each GLP component
- Identify and report outliers in GLP components
- Have basic understanding of QC and Quality Assurance
- Identify and report QC outliers
- Proper disposal of BMW

Number of Credits: 1

Commencement of the Course	June 2023
Exams/Assessments	Fortnightly
Eligibility	II and III MBBS students
Pattern of Exam	MCQs, Assignments & Viva Voce
Intake	20
Learning pedagogies	Lectures & Hands-on training
Medium of Instructions	English
Duration	16 Hours
Attendance	75% attendance is mandatory for all the students
Certificate	To be provided at the end of the course
Curriculum delivery : Every Wednesday, Thursday , Friday, Saturday for 4 Weeks Number of days: 4hrs / Week Extra charges: Nil	

Dr. J.S. Bhawalkar

Dean

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Pimpri Pune - 411018

Immuno Autoanalyzer



HbA1c Autoanalyzer



UG Laboratory



DPU

Dr. D.Y. PATIL VIDYAPEETH, PUNE
(Deemed to be University)

Department of Biochemistry

Dr. D. Y. Patil Medical College, Hospital and Research Centre, Pune.

Sant Tukaram Nagar, Pimpri, Pune 411 018, Maharashtra



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Ext: 5122

Dr. J.S. Bhawalkar

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DEPARTMENT OF BIOCHEMISTRY

Date: 03/04/2024

NOTICE

Department of Biochemistry has started Value added course on “Good Laboratory Practices in Clinical Laboratory” for 2nd MBBS students. Interested candidates willing to join the course can submit their names in the department to Dr. Anita Deshmukh – Associate Professor, Department of Biochemistry

Value added course
Co-ordinator

DR. ANITA DESHMUKH

Dr. Pradnya Phalak
HOD Biochemistry

PROFESSOR & HEAD
Department of Biochemistry
Dr. D. Y. Patil Medical College,
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DEPARTMENT OF BIOCHEMISTRY

Date: 30/04/2024

NOTICE

Good Laboratory Practices in Clinical Laboratory Course will be conducting from 01/06/2024 to 28/06/2024 in Department of Biochemistry at 5.00 pm to 6.00 pm for the academic year 2023-24. Programme schedule of 16 hrs will be displayed. Attendance is compulsory.

Value added course
Co-ordinator

DR. ANITA DESHMUKH

Dr. Pradnya Phalak
HOD Biochemistry

PROFESSOR & HEAD
Department of Biochemistry
Dr. D. Y. Patil Medical College,
Pimpri, Pune - 18.

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DEPARTMENT OF BIOCHEMISTRY

- Value Added Course Title: Good Laboratory Practices in Clinical Laboratory
- Background:

In the present era of rapidly evolving technology and evidence-based medicine, Good Laboratory Practices (GLP) play an important role in ensuring, consistency, reliability, reproducibility and quality of laboratory tests. It provides a frame work for laboratories to plan, perform, monitor record and report their activities. It also reflects the quality of laboratory services during any assessments and accreditation process. All over the world the laboratories use GLP to improve the quality of their work, to improve patient care given by clinicians and also to improve safety of staff who works in the laboratories.
- Course Objectives:

At the end of the course the student should be able to

 1. Have basic understanding of GLP
 2. Understand the components of GLP
 3. Implement the SOP of each GLP component
 4. Identify and report outliers in GLP components
 5. Have basic understanding of QC and Quality Assurance
 6. Identify and report QC outliers
 7. Proper disposal of BMW
- Number of Credits: 1
- Commencement of the Course : June 2023
- Eligibility: All the registered students of II and III MBBS students.
- Intake : 20
- Medium of Instructions: English
- Duration: 16 Hours
- Curriculum delivery : Every Wednesday, Thursday , Friday, Saturday for 4 Weeks
Number of days: 4hrs /Week
- Exams/Assessments: Fortnightly
- Pattern of Exam: MCQs, Assignments and Viva Voce.
- Learning pedagogies: Didactic lectures and Hands-on training
- Certificate: To be provided at the end of the course.
- Attendance: 75% attendance is mandatory for all the students.
- Extra charges: Nil

Value added course
Co-ordinator

DR. ANITA DESHMUKH PROFESSOR & HEAD
Department of Biochemistry
Dr. D. Y. Patil Medical College,
Pimpri, Pune - 18.

Dr. Pradnya Phalak
HOD Biochemistry

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Dr. J.S. Bhawalkar
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DEPARTMENT OF BIOCHEMISTRY

Schedule

Good Laboratory Practices in Clinical Laboratory			
Number of Lectures Hours/Week	Lecture- 1 Lecture per week Hand on training- 3 per week	Number and types of Evaluation Planned	Number of Evaluations :1 Type – MCQ, Practical & Assignments
Total number of lecture hours	Didactic lectures-4 hours Hands on training-12 hours	Distribution of marks Total 50 marks- in theory ¹ and practical ²	Theory- 30% Practical-70% Theory : MCQs -10 Marks Practical : 40 Marks Assignments : 10 Marks Collection of Samples Screening of Samples for Adequacy & turnaround time Internal Quality Control & Clinical Co-relations

Grade point - Above 80% - A

79- 60 % - B

59- 50 % - C

Passing minimum 50%

Resource Person- Biochemistry Faculty

DeshmukhAD

Value added course
Co-ordinator

DR. ANITA DESHMUKH

Phalak

Dr. Pradnya Phalak
HOD Biochemistry

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DEPARTMENT OF BIOCHEMISTRY

Value Added Course: Students List
Academic Year 2023-24

Sr. No	Gen.	Name of the Students
1	Mr	Aaryan Raghav
2	Miss	Abale Maithilee Mahesh
3	Mr	Abhinav Tiwari
4	Mr	Abhishek Gaikwad
5	Miss	Aditi Goyal
6	Mr	Gaurav Kedia
7	Miss	Gauri Maheshwari
8	Miss	Gauri Singh
9	Mr	Gaurish Mishra
10	Miss	Gupta Khushboo Ravi
11	Miss	Hansika
12	Miss	Jain Paridhi Neeraj
13	Miss	Jamnora Vijayalaxmi Laxman
14	Miss	Jasreen Kaur
15	Miss	Jivika Gugnani
16	Miss	Jiya Anjeshkumar Patel

DeshmukhAD

Value added course

Co-ordinator

DR. ANITA DESHMUKH

Pradnya

Dr. Pradnya Phalak

HOD Biochemistry

PROFESSOR & HEAD

Department of Biochemistry

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Pimpri, Pune - 18.

Dean

Dr. J.S. Bhawalkar

Dean

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DEPARTMENT OF BIOCHEMISTRY

Date: 28/05/2024

Value Added Course: Lectures & Practical Programme
Academic Year 2023-24
Time Table

Date	Time	No. of hrs (Total 16 hrs)	Topic
01/06/2024 Saturday	05:00pm to 06:00 pm	1	Lecture- Learning about lab requirements and facilities
05/06/2024 Wednesday	05:00pm to 06:00 pm	1	Practical - Collection of Samples I (Sample requisition)
06/04/2024 Thursday	05:00pm to 06:00 pm	1	Practical- Collection of Samples II (registration SOP)
07/06/2024 Friday	05:00pm to 06:00 pm	1	Practical - Collection of Samples III (Sampling and sample rejection SOP)
08/06/2024 Saturday	05:00pm to 06:00 pm	1	Lecture- Authorized personnel as per guidelines
12/06/2024 Wednesday	05:00pm to 06:00 pm	1	Practical - Collection of Samples IV (Sampling and sample rejection SOP)
13/06/2024 Thursday	05:00pm to 06:00 pm	1	Practical- Screening of samples for adequacy and turnaround time I (Preparing worklist SOP)
14/06/2024 Friday	05:00pm to 06:00 pm	1	Practical- Screening of samples for adequacy and turnaround time II (Reagents and consumables SOP)
15/06/2024 Saturday	05:00pm to 06:00 pm	1	Lecture- Quality Assurance – IQAS and EQAS
19/06/2024 Wednesday	05:00pm to 06:00 pm	1	Practical : Screening of samples for adequacy and turnaround time III (Equipment appropriate as per test)
20/06/2024 Thursday	05:00pm to 06:00 pm	1	Practical : Screening of samples for adequacy and turnaround time IV (Equipment appropriate as per test)
21/06/2024 Friday	05:00pm to 06:00 pm	1	Practical : Internal quality control and its clinical correlations I (Use of LIS)
22/06/2024 Saturday	05:00pm to 06:00 pm	1	Practical : Internal quality control and its clinical correlations II (Reporting of test SOP)
26/06/2024 Wednesday	05:00pm to 06:00 pm	1	Practical : Internal quality control and its clinical correlations III
27/06/2024 Thursday	05:00pm to 06:00 pm	1	Lecture : Biosafety and BMW disposal
28/06/2024 Friday	05:00pm to 06:00 pm	1	Practical: Internal quality control and its clinical correlations IV

DeshmukhAD

Value added course
Coordinator

DR. ANTA DESHMUKH

Phalak

Dr. Pradnya Phalak
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DEPARTMENT OF BIOCHEMISTRY

**Value Added Course: Lecture & Practical Attendance
Academic Year 2023-24**

Sr. No	Gen.	Name of the Students	11/06/2024	05/06/2024	06/06/2024	07/06/2024	08/06/2024	12/06/2024	13/06/2024	14/06/2024	17/06/2024	19/06/2024	20/06/2024	21/06/2024	22/06/2024	26/06/2024	27/06/2024	28/06/2024
1	Mr	Aaryan Raghav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Miss	Abale Maithilee Mahesh	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
3	Mr	Abhinav Tiwari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Mr	Abhishek Gaikwad	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
5	Miss	Aditi Goyal	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P
6	Mr	Gaurav Kedia	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Miss	Gauri Maheshwari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Miss	Gauri Singh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Mr	Gaurish Mishra	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
10	Miss	Gupta Khushboo Ravi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Miss	Hansika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Miss	Jain Paridhi Neeraj	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Miss	Jamnora Vijayalaxmi Laxman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Miss	Jasreen Kaur	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
15	Miss	Jivika Gugnani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Miss	Jiya Anjeshkumar Patel	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

DeshmukhAD

Value added course

Co-ordinator

DR. ANITA DESHMUKH

Phalak

Dr. Pradnya Phalak

HOD Biochemistry

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DEPARTMENT OF BIOCHEMISTRY

Good Laboratory Practices in Clinical Laboratory

Value Added Course

Academic Year (2023-24)

Question Paper-Theory

Date: 28/06/2024

Time: 30 Min.

1. RCA stands for?
 - a. Real cause analysis
 - b. Rule chemistry analysis
 - c. Root cause analysis
 - d. Read chemistry analyte
2. Internal audit is done as per which ISO standard?
 - a. 15189
 - b. 17025
 - c. 9001
 - d. 13485
3. EQAS programs are used for?
 - a. Precision
 - b. Accuracy
 - c. Legality
 - d. Standardization
4. Needles are discarded in which BMW?
 - a. Yellow bag
 - b. Black bag
 - c. White container
 - d. Red bag
5. What is delta check?
 - a. Check involves reagent stability
 - b. Check involves machine performance
 - c. Check involves patient reports
 - d. Check involves software performance

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6. Which color vacutainer is used for collection of blood sugar test?
 - a. Purple
 - b. Red
 - c. Grey
 - d. Blue
7. What is the recommended minimum fasting duration you will advise patients for FBS test?
 - a. 10 hrs
 - b. 12 hrs
 - c. 8 hrs
 - d. 6 hrs
8. Which is the first order of draw of blood collection?
 - a. Citrate
 - b. Culture
 - c. EDTA
 - d. Plain
9. Which of the following is sample rejection criteria?
 - a. Hemolysed sample
 - b. Lipemic sample
 - c. Underfill sample
 - d. All of the above
10. Which outlier denotes a systematic error?
 - a. 2-2s
 - b. 1-2s
 - c. 1-3s
 - d. All of the above

DeshmukhAD

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DEPARTMENT OF BIOCHEMISTRY

Good Laboratory Practices in Clinical Laboratory

Value Added Course

Second Professional MBBS (2023-2024)

Question Paper-Practical

Date: 28/06/2024

Time: 2 Hrs.

Marks: 40

Q.1 Sample Collection

Q.2 Analyze Quality control Samples

Q.3 Interpretation of Quality control chart

Value added course
Co-ordinator
DR. ANITA DESHMUKH

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HOD Biochemistry
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DEPARTMENT OF BIOCHEMISTRY

Exam Result of Good Laboratory Practices in Clinical Laboratory

Academic Year (2023-24)

Value added course

Sr. No	Gen.	Name of the Student	Result
1	Mr	Aaryan Raghav	Successful
2	Miss	Abale Maithilee Mahesh	Successful
3	Mr	Abhinav Tiwari	Successful
4	Mr	Abhishek Gaikwad	Successful
5	Miss	Aditi Goyal	Successful
6	Mr	Gaurav Kedia	Successful
7	Miss	Gauri Maheshwari	Successful
8	Miss	Gauri Singh	Successful
9	Mr	Gaurish Mishra	Successful
10	Miss	Gupta Khushboo Ravi	Successful
11	Miss	Hansika	Successful
12	Miss	Jain Paridhi Neeraj	Successful
13	Miss	Jamnor Vijayalaxmi Laxman	Successful
14	Miss	Jasreen Kaur	Successful
15	Miss	Jivika Gugnani	Successful

Deshmukh AD

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Pradnya

Dr. Pradnya Phalak
HOD Biochemistry

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DEPARTMENT OF BIOCHEMISTRY

Ref. No. DYPMC/BIO-111/2024

Date:- 04/07/2024

Report for Value Added Course

The Value added course: "Good Laboratory Practices in Clinical Laboratory" was conducted by Department of Biochemistry, Dr. D. Y. Patil Medical College, Hospital & Research Centre, Pimpri, Pune. The course was conducted in Department of Biochemistry & Central Clinical Laboratory, by all Biochemistry faculty members. The module was prepared for duration of 16 hrs. & was conducted from 01/06/2024 to 28/06/2024. Fifteen students participated in this course and successfully completed the course. At the end of the course completion certificates were awarded to the students.

DeshmukhAD

Value added course
Co-ordinator

DR. ANITA DESHMUKH

Phalak

Dr. Pradnya Phalak
HOD Biochemistry

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