



P.M

LOGBOOK MICROBIOLOGY

FOR
Phase Second MBBS Students
As per
Competency Based Curriculum

Name of the Student : POOJA L. MUNDHADA

College Roll No. : 20055

Batch : 2020 (B)

University Roll No. : _____

**Dr. Panjabrao alias Bhausaheb Deshmukh Memorial
Medical College, Shivaji Nagar, Amravati**


Chairperson - Criteria No. 17
NAAC Steering Committee
Dr. P. D. M. M. C. Amravati



DEAN
Dr Panjabrao Alias Bhausaheb Deshmukh
Memorial Medical College, Amravati

PREFACE

The Medical Council of India has revised the undergraduate medical education curriculum so that the Indian Medical Graduate (IMG) is able to recognize "Health for all" as a national goal. He/she should also be able to fulfill his/her societal obligations. The revised curriculum has specified the competencies that a student must attain and clearly defined teaching learning strategies for the same. With this goal in mind, early clinical exposure, integrated teaching, skill development, AETCOM and self-directed learning have been introduced. There would be emphasis on communication skills, basic clinical skills and professionalism. There is a paradigm shift from the traditional didactic classroom-based teaching to learning environments where there is emphasis on learning by exploring, questioning, applying, discussing, analyzing, reflecting, collaborating and doing. The recognition of this need is enshrined by a greatly enhanced allocation of time to these methods and also the assessment techniques. With this view in mind the log book has been designed as per the guidelines of competency Based curriculum.


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DEAN
Dr Panjabrao ~~Atao~~ Bhausaheb Deshmukh
Memorial Medical College, Amravati

**Dr. Panjabrao Alias Deshmukh Memorial Medical College,
Hospital & Research Center, Amravati**

Admission Year : 2020

Certificate

This is to certify that,

Mr./Ms. POOJA LAXMIKANT MUNDHADA -

Roll No. 20055 has satisfactory attended/completed all assignments mentioned in this logbook as per the guidelines prescribed by Medical Council of India, for Phase II MBBS Competency Based Curriculum in the subject of **Microbiology**.

Date: 1/12/2022

Place: AMRAVATI

[Signature]
Teacher-in-Charge

[Signature]
Practical Program
in-charge
Clinical Microbiolog.
Dr. P. D. M. M. C. Hospi-
Amravati

[Signature]
Professor and Head
Department of Microbiology
Panjabrao Alias Bhausaheb Deshmukh
Memorial Medical College, Amravati


[Signature]
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[Signature]
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Memorial Medical College, Amravati

INSTRUCTIONS

- 1) This logbook is prepared as per the guidelines of MCI for implementation of Competency based curriculum for Phase II MBBS students in the subject of Microbiology.
- 2) Students are instructed to keep their logbook entries up to date.
- 3) Students are expected to write minimum 1 reflections on Self-Directed Learning (SDL).
- 4) Students also have to write reflections on AETCOM Modules – 2.5, 2.6 and 2.7.
- 5) Reflections should be structured using the following guiding questions :
 - What happened? (What did you learn from this experience)
 - So what? (What are the applications of this learning)
 - What next?(What knowledge or skills do you need to develop so that you can Handle this type of situation?)
- 6) The logbook assessment will be based on multiple factors like
 - Attendance
 - Active participation in the sessions
 - Timely completions
 - Quality of write up of reflections
 - Overall presentation


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Sr.No.	Description	Page No's	Status Complete/ Incomplete	Signature of Teacher
1	Self Directed Learning Skill assessment, participation in group discussions	2 4 6 8	completed	<u>Dr. S. S. Deshpande</u>
2	*AETCOM Module No. 2.5, 2.6, 2.7	16 18 20	completed	<u>Dr. S. S. Deshpande</u>
3	Attendance Records			
4	Records of Internal Assessment			

*AETCOM - Competencies for IMG, 2018, Medical Council of India



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2. Self Directed Learning, Skill Assessment, Participation in Group Discussions


Sr.No.	Self Directed Learning, Skill assessment, Participation in Group Discussions	Date	Signature of Teacher
1.	Hand hygiene -	30/8/22	<u>Saleem</u>
2.	Needle stick injury .	20/9/22	<u>Saleem</u>
3.	Personal Protective Equipment (PPE)	30/8/22	<u>Saleem</u>
4.	Biomedical waste segregation test	20/9/22	<u>Saleem</u>
SECTION -2 - AETCOM			
5.	AETCOM MODULE 2.5	22/11/22	<u>Saleem</u>
6.	AETCOM MODULE 2.6	22/11/22	<u>Saleem</u>
7.	AETCOM MODULE 2.7	22/11/22	<u>Saleem</u>

AETCOM Module No. 2.5, 2.6, 2.7

***AETCOM - Competencies for IMG, 2019, Medical Council of India**


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Reflection on Self-Directed Learning


Topic: HAND HYGIENE

Date: 30/8/22

A nurse in an ICU records the pulse of patient, records it in case sheet & then goes back to nursing station.

Then she draws blood of another patient while transporting the specimen a drop of blood fell on her palm. Then she enters the OT to assist for a surgery.

- 1) How many times she has to perform hand hygiene?
⇒ Nurse has to perform totally 7 times hand hygiene.
Five times hand rub, once hand wash & once hand scrub.
- 2) What are hand hygiene methods she has to perform & how much duration.
⇒ • Hand rub: Nurse has to perform hand rub 5 times, 20-30 sec. in each time with 70-80% alcohol hand rub.
- Before recording pulse (WHO moment 1)
 - After recording pulse (WHO moment 4)
 - Before drawing blood (WHO moment 2)
 - After drawing blood (WHO moment 3)
 - After recording in the case sheet (WHO moments 5)
- Handwash: she has to perform hand wash once (after blood drop fell on her palm); with 2-4% chlorhexidine handwash for 40-60 sec.
- Hand scrub: she has to perform hand scrub once (before


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assisting surgery) ; with 4% chlorhexidine hand wash for 3-5 mins.

3) What are hand wash hygiene products to be used?

⇒ Hand Rubs - Alcohol based, chlorhexidine based.
Hand wash (Antimicrobial soap for handwashing),
surgical hand scrub

[Handwritten Signature]

Signature of Teacher-in-charge

[Handwritten Signature]
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LOG BOOK ANATOMY

For
PHASE I MBBS STUDENTS AS PER
COMPETENCY BASED CURRICULUM

Name of the Student : VARTIKA RAJNARAYAN TIWARI

College Roll No. : 21144

Batch : C



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Dr. Panjabrao Alias Bhausaheb Deshmukh Memorial
Medical College Shivaji Nagar, Amravati



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LOG BOOK

ANATOMY

FOR PHASE I MBBS STUDENTS AS PER COMPETENCY BASED CURRICULUM

Name of the student : VARTIKA RAJNARAYAN TIWARI

College Roll No. : 21144

Batch : 2021 [C]

Name of Dean : Dr. A. T. Deshmukh

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Dr. P. D. M. M. C. Amravati



DEAN
Dr Panjabrao Alias Bhausaheb Deshmukh
Memorial Medical College, Amravati

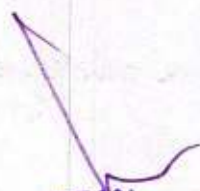
Dr. Panjabrao alias Bhausaheb Deshmukh Memorial
Medical College, Shivaji Nagar, Amravati.

Perface

The Medical Council of India has revised the undergraduate medical education curriculum so that the Indian Medical Graduate (IMG) is able to recognize "Health for all" as a national goal. He / she should also be able to fulfil his / her societal obligations. The revised curriculum has specified the competencies that a student must attain and clearly defined teaching learning strategies for the same. With this goal in mind, early clinical exposure, integrated teaching, skill development, AETCOM and self-directed learning have been introduced. There would be emphasis on communication skills, basic clinical skills and professionalism. There is a paradigm shift from the traditional didactic classroom-based teaching to learning environments where there is emphasis on learning by exploring, questioning, applying, discussing, analysing, reflecting, collaborating and doing. The recognition of this need is enshrined by a greatly enhanced allocation of time to these methods and also the assessment techniques. With this view in mind the log book has been designed as per the guidelines of competency Based curriculum.



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Memorial Medical College, Amravati

Shri Shivaji Education Society, Amravati
Dr. Panjabrao alias Bhausaheb Deshmukh Memorial
Medical College, Shivaji Nagar, Amravati.



Admission Year : 2021

CERTIFICATE

This is to certify that,

Mr./Ms. Vartika Rajnarayan Tiwari

Roll No. 21144 has satisfactorily attended / completed all assignments mention in this logbook as per the guidelines prescribed by Medical Council of India, for Phase I MBBS Competency Based Curriculum in the subject of Anatomy.

Date : ___ / ___ / ___

Place : Dr. P.D.M.M.C
Amravati

Kul
4.3

Head of the Dept.
Department of Anatomy
Dr. P.D.M.M.C. Amravati

Apss
Teacher - in - Charge

25/11/2022

Professor and Head
Department of Anatomy


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Memorial Medical College, Amravati

Instructions






- 1) This logbook is prepared as per the guidelines of MCI for implementation of Competency based curriculum for Phase I MBBS students in the subject of Anatomy.
- 2) Students are instructed to keep their logbook entries up to date.
- 3) Students are expected to write minimum 2 reflections on any two activities each of Early Clinical Exposure (ECE) & Self-Directed Learning (SDL), For ECE, one reflection must be on hospital / community setting.
- 4) Students also have to write reflections on AETCOM Module 1.1 and 1.5
- 5) Reflections should be structured using the following guiding questions :
 - * What happened ? (What did you learn from this experience)
 - * So what? (What are the applications of this learning)
 - * What next ? (What knowledge or skills do you need to develop so that you can handle this type of situation?)
- 6) The logbook assessment will be based on multiple factors like
 - * Attendance
 - * Active participation in the sessions,
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 - * Quality of write up of reflections
 - * Overall presentation


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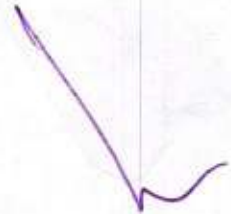
INDEX

Sr. No.	Description	Page No's	Status	Signature of Teacher
			Complete / Incomplete	
1.	Early Clinical Exposure	1-12	Complete	
2.	Self-Directed Learning, Seminars, Projects, Quizzes	13-22	Complete	
3.	AETCOM Module* 1.1 and 1.5	23-29	Complete.	
4.	Attendance Records	31	Complete.	
5.	Records of Internal Assessment	33	Complete.	

* AETCOM - Competencies for IMG, 2018, Medical Council of India.


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1. EARLY CLINICAL EXPOSURE (ECE)

Introduction :

Learning from patients is an integral part of health professions training. Exposure to clinical content in the preclinical phase of learning provides a clinical context and relevance to basic sciences learning. It also facilitates early involvement in the healthcare environment that serves as motivation and reference point for students, leading to their professional growth & development. Students will be able to learn the basic and clinical sciences by means of rich integrating learning activities, be these early clinical contact, clinical skills, communication skills or task-based learning sessions. The ECE program in the MBBS curriculum tries to create an opportunity for students to correlate learning in Phase I subjects with their clinical application.

Objectives

- 1) Help students recognize the relevance of anatomy in diagnosis, patient care and treatment.
- 2) Provide a context that will enhance learning and relating to the experience of patients.
- 3) Provide an opportunity for observing basic skills in interviewing patients and doctor-patient communication.
- 4) Recognize attitude, ethics and professionalism as integral part of the doctor-patient relationship.
- 5) Understand the socio-cultural context of disease through the study of humanities.














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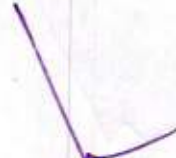
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Record of Early Clinical Exposure Activities

Sr. No.	Early Clinical Exposure Topic	Setting	Correlation	Date	Signature of Teacher
		Classroom/ Hospital / Community	Basic Science/ Clinical Skills		
1.	Infection of fascial spaces of palm	Classroom	Basic Science	25/3/22 30/3/22	
2.	Frozen shoulder	Classroom	Clinical	08/05/22 06/07/22	
3.	Pneumothorax	Classroom	Clinical	09/06/22 20/07/22	
4.	Otitis media	Classroom	Clinical	28/07/22 03/08/22	
5.	Apendicitis	Classroom	Clinical	22/08/22 13/08/22	
6.	Lumbar puncture	Classroom	Clinical	02/09/22 14/09/22	
7.	Foot drop	Classroom	Clinical	26/09/22	
8.	Meckel's diverticulum	Classroom	Clinical	03/10/22	
9.	Gastrochisis	Classroom	Clinical	17/10/22	
10.	omphalocele	Classroom	Clinical	27/10/22	


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Reflection on Early Clinical Exposure Experience

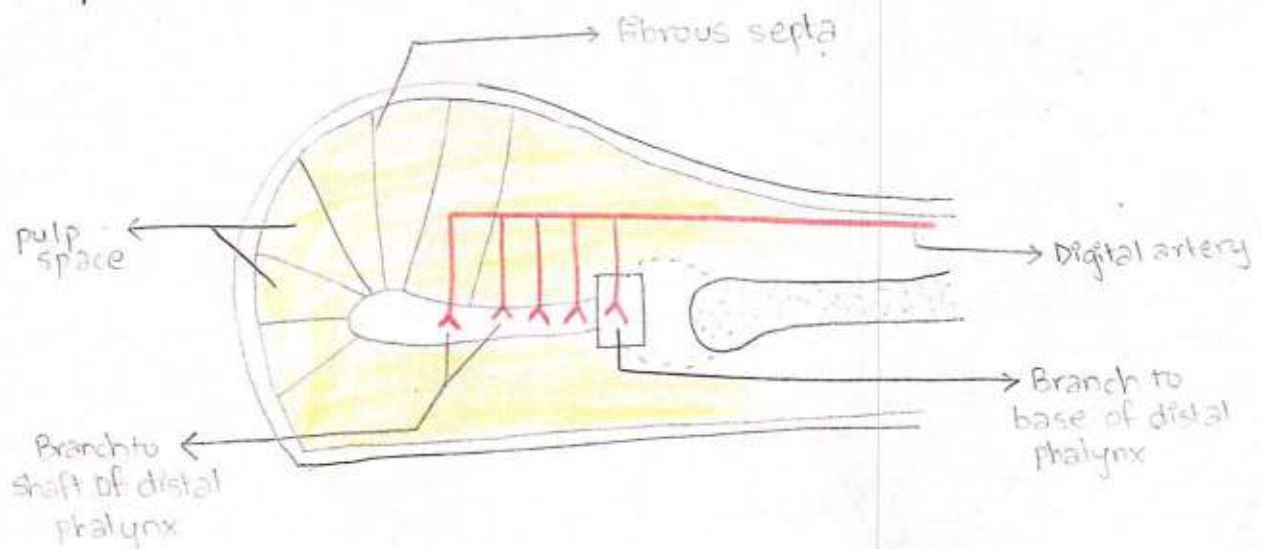
Topic: Infection of fascial spaces of palm.

Date: 25/3/21

- i) Infection of pulp space of fingers is known as Whitlow.
Subcutaneous fat arranged in tight compartments formed by fibrous septa in the finger tip between skin and periosteum.
- ii) Severe throbbing pain felt due to rising tension in spaces.

Treatment :- Infections of pulp space drained by lateral incision which opened all compartments and avoid damage to tactile tissue in front of fingers.

If neglected, may lead to avascular necrosis of distal $\frac{4}{5}$ th of terminal phalanx because of occlusion of vessels. Proximal $\frac{1}{5}$ th unaffected as it is not a part of compartments and gets its arterial supply from artery which does not traverse the fibrous septa.



[Signature]

[Signature]
Signature of Teacher-In-charge

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Reflection on Early Clinical Exposure Experience

Topic : Frozen shoulders

Date : 9/5/22

- Pathologically two layers of the synovial membrane become adherent to each other.
- Clinically, the patient (usually 40-60 years of age) complains of progressively increasing pain in shoulder, stiffness of joint and restriction of movements, particularly external rotation, abduction and medial rotation.
- Surrounding muscles shows disease atrophy.
- The disease is self limiting, recovers in about 2 years
- As contribution of glenohumeral joint is reduced, the patient shows altered scapulohumeral joint rhythm due to excessive use of scapular motion while performing overhead flexion and abduction.

Treatment :- The disease is self limiting and the patient may recover spontaneously in about 2 years and much earlier by physiotherapy.



Signature of Teacher-In-charge



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SURGERY OSCE



MEDICINE OSCE



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PEDIATRICS OSCE



OBGY OSCE

