

B.K. L. Walawalkar Rural Medical College

Problem/Case Based learning

PBL

A 50 year old women came to OPD with a complaint of ulcer on her left foot which was not healing for last 15 days. She said she had a voraecious appetite but had been losing weight recently she had been having *polyuria* and *Polydipsia* for a few months physical examination revealed mild dehydration.

Pulse 75 beats/min.

BP 160/90 mmHg.

There was diminished pulsation of posterior tibial and dorsalis pedis arteries of left side.

Lab Investigation

Fasting blood sugar : 180 mg/dl.

Fasting urine sugar: +++

Post lunch blood sugar :- 250 mg/dl

Lipid Profile = serum cholesterol :-280 mg/dl

serum triglycerides :-220 mg/dl

HDL:- 20 mg/dl LDL:- 200 mg/dl.

VLDL:- 60 mg/dl Hb.A1C: >6%

Questions

Give the effects of insulin on various tissues.

Explain the mechanism of action of insulin.

Compare and contrast various aspects of type I & type II diabetes.

Discuss the complications of long standing uncontrolled diabetes.

Name the diabetogenic Harmones & give their actions.

Explain the occurrence of followings in diabetes.

Hyperglycemia, Polyphagia, Polyuria, Polydipsia, Glycosuria

Weight loss inspite of Polyphagia, ketosis

Diabetie ulcer on foot. Acidosis, coma.

What advice would you give a patient diagnosed with type II diabetes based on :

Exercise, diet, medical line of treatment, stress management & yoga.

A 6 years old boy was brought to the casualty by his relatives. He was unconscious and having generalized convulsions with tonic muscle contractions and clonic jerks. He was shifted to the ICU after the emergency management.

- a. What might be the probable diagnosis?
- b. Which test is advised to confirm the diagnosis?

TYPICAL PHOTOGRAPHS OF ENDOCRINE DISORDERS

- Q.1 Identify and describe each endocrine disorder under the following headings.
 - a) Identifying key features
 - b) Findings on clinical examination
 - c) Biochemical / Serological abnormalities and
 - d) Physiological basis of treatment

1.



Normal (left; age - 25 years; height - 169 cm), Patient (right; age - 22 years; height - 272 cm)



Ref.: Image from Guyton & Hall, Textbook of Medical Physiology, Second South Asia Edition

DEAN

Coronary Circulation

AN22.3: Describe and demonstrate origin, course, and branches of coronary arteries.

AN22.4: Describe anatomical basis of ischemic heart disease.

AN22.5: Describe and demonstrate the formation, course, tributaries, and termination of coronary sinus.

Coronary Circulation-Clinical Case



A middle-aged obese man with **family history of** coronary artery disease complained of **tightness in the chest** accompanied by **profuse sweating** and **pain along the inner side of upper limb**. ECG of the patient showed characteristic changes hence was admitted in the ICU. Answer the questions based on your anatomy knowledge

Clinical Case - questions



- What is the probable clinical condition?
- Name the arteries that supply blood to the heart. What are the peculiarities of these arteries?
- Describe origin course and branches of each arteries.
- What is the difference between angina pectoris and myocardial infarction?
- Name three blood vessels of the body that can be used for coronary artery graph
- To perform angiography the cardiologist choose the right femoral artery. Trace the path of catheter to the coronary ostia, where dye is injected.
 - Which veins drain blood from the heart?



Calculations

Date:

8) A) Calculate inulin clearance (GFR)

$$GFR = \frac{\text{Uin x V}}{\text{Pin}}$$

Data

Plasma concentration of inulin P_{in} = 0.25 mg / mL Urinary concentration of inulin U_{in} = 35 mg / mL Urine flow rate V = 0.9 mL / min.

Calculation:

B) Creatinine Clearance (GFR)

Data:

Creatinine Concentration in urine $U_{cr} = 2 \text{ mg / mL}$ Creatinine concentration in plasma $P_{cr} = 1.5 \text{ mg}\%$ Urine Volume per 24 hours V = 1440 mL

Calculation:

DEAN

Early Clinical Exposure

OUTWARD NO. BKLWRMC/ANATOMY/2022/155

Date: 19/10/2022

To, The HOD Radiology Department BKLWRMC

Sub:- Conduction of Early clinical exposure Lecture of Ist MBBS students

Respected Sir,

According to new CBME Curriculum, we need a support from Radiology department to conduct a Early Clinical Exposure (ECE) Lecture of Ist MBBS students of 2021-22 batch on Saturday 12/11/2022. Early clinical exposure (ECE) will include following topic

Topic	Date	Time
Role of ERCP, CT, MRI, Arteriography in radiodiagnosis of abdomen	12/11/2022	2pm – 5pm
	Role of ERCP, CT, MRI, Arteriography in	Role of ERCP, CT, MRI, Arteriography in 12/11/2022

Thanking You.

(Dr. Pushpa Burute)

Professor & Hopad Department of Anatomy BKL Walawalkar Rural Medical College Sawarde Kasarwadi Pin-415666.

DEAN

1St MBBS 2021-22 Batch

BKL WALAWALKAR RURAL MEDICAL COLLEGE, SAWARDE

DEPARTMENT OF ANATOMY Role of ERCP, CT, MRI,

Date: 12/11/2022 Time: 2-5 pm. Topic: Asteriography in

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6	16	26	36	46	56	66	76	86	96	106	116	126	136	146
7	17	27	37	47	57	67	77	87	97	107	117	127	137	147
8	18	28	38	48	58	68	78	88	98	108	118	128	138	148
9	19	29	39	49	59	69	79	89	99	109	119	129	139	149
10	20	30	40	50	60	70	80	90	100	110	120	130	140	150

Name of Faculty:

Sign. of Faculty:
Sign. Of H.O.D

Total absent no:- () |

BKLWRMC/ ANATOMY/2022/156

From, Professor & Head Department of anatomy Date:19/10/2022

To,
The Principal
B. K. L. Walawalkar College of Physiotherapy

Sub:- Conduction of Early clinical exposure practical of Ist MBBS students

Respected Sir,

According to our previous conversation, we need a support from physiotherapy department to conduct a Early Clinical Exposure (ECE) practical of Ist MBBS students of 2021-22 batch on Saturday 12/11/2022 from 2pm – 5pm.

Early clinical exposure (ECE) will include following topics

Muscle testing, Nerve testing & Physiotherapy of Upper limb & Lower limb.

Total no. of students are 100 From Roll no. 1 to 100

Kindly do the needful.

Professor & Head (Dr. Pushpa Burute)

Professor & Head Department of Anatomy BKL Walawalkar Rural Medical College Sawarde Kasarwadi Pin- 415686.

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3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	
4	14	24	34	44	54	64	74	84	94	104	114	124	134	144	
5	15	25	35	45	55	65	75	85	95	105	115	125	135	145	
6	16	26	36	46	56	66	76	86	96	106	116	126	136	146	
7	(17)	27	37	47	57	67	77	87	97	107	117	127	137	147	1
8	18	28	38	48	58	68	78	88	98	108	118	128	138	148	
9	19	29	39	49	59	69	79	89	99	109	119	129	139	149	1
10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	

Name of Faculty: Mrs. Sumati Hiremath

Sign. of Faculty:

Total absent no:- 02

Sign. Of H.O.D

Integrated Teaching

B. K. L.WALAWALKAR RURAL MEDICAL COLLEGE, SAWARDE

INTEGRATED TEACHING PROGRAMME

(Vertical Integration)- I MBBS 2021-22

TOPIC: JAUNDICE

Venue-Lecture Hall No. 2 Time: 10am to 12pm Date: 24/11/2022

Sr. No	Departments	Sub-topics
1 !	Community Medicine	World Scenario of Jaundice
2		Gross anatomy of liver and biliary apparatus
3		Development of Liver
4	Anatomy	Microscopic structure of liver
5		Applied anatomy of liver
6	71	Secretion of bile
7	Physiology	Actions of bile
8		Types and classification of jaundice
9	Biochemistry	Normal serum bilirubin and its metabolism
10	_	Biochemical diagnosis of jaundice
11	Pathology	Pathological changes in jaundice
12		Line of treatment of jaundice
13	Medicine	Complications of jaundice
14	Community Medicine	Preventive measures of jaundice
15	Surgery	Surgical intervention in jaundice
16	Pharmacology	Mechanism of action of drugs used in jaundice

Physiology

Biochemistry

Community

Medicine

Academic chairman

B.K.L.Walawaikar Rural Medical College

At.Kasarwadi, Post Sawarde Tal.Chiplun,Dist.Ratnagiri

B. K. L.WALAWALKAR RURAL MEDICAL COLLEGE, SAWARDE INTEGRATED TEACHING PROGRAMME (Vertical Integration)- I MBBS 2021-22 TOPIC- JAUNDICE (Attendance)

Date: 24/11/2022

Time: 10am to 12pm

Roll No.	P/A	Roll No.	P/A	Roll No.	P/A	Roll No.	P/A	Roll No.	P/A	Roll No.	P/A
M21001	P	M21026	P	M21051	P	M21076	A	M21101	P	M21126	P
M21002	P	M21027	P	M21052	P	M21077	P	M21102	P	M21127	P
M21003	P	M21028	P	M21053	P	M21078	A	M21103	P	M21128	P
M21004	P	M21029	A	M21054	P	M21079	A	M21104	P	M21129	P
M21005	A	M21030	P	M21055	p	M21080	P	M21105	A	M21130	P
M21006	P	M21031	P	M21056	P	M21081	P	M21106	P	M21131	P
M21007	P	M21032	P	M21057	P	M21082	A	M21107	P	M21132	P
M21008	P	M21033	P	M21058	P	M21083	A	M21108	A	M21133	P
M21009	A	M21034	P	M21059	Ä	M21084	P	M21109	A	M21134	A
M21010	P	M21035	P	M21060	P	M21085	P	M21110	A	M21135	A
M21011	P	M21036	A	M21061	P	M21086	A	M21111	P	M21136	P
M21012	P	M21037	P	M21062	P	M21087	P	M21112	P	M21137	A
M21013	P	M21038	P	M21063	A	M21088	P	M21113	P	M21138	P
M21014	þ	M21039	A	M21064	P	M21089	P	M21114	P	M21139	P
M21015	A	M21040	P	M21065	p	M21090	P	M21115	P	M21140	P
M21016	P	M21041	P	M21066	P	M21091	P	M21116	P	M21141	P
M21017	P	M21042	P	M21067	A	M21092	P	M21117	P	M21142	P
M21018	A	M21043	A	M21068	A	M21093	P	M21118	P	M21143	P
M21019	P	M21044	P	M21069	P	M21094	A	M21119	p	M21144	1
M21020	P	M21045	P	M21070	A	M21095	P	M21120	P	M21145	A
M21021	P	M21046	P	M21071	p	M21096	P	M21121	p	M21146	P
M21022	P	M21047	P	M21072	P	M21097	P	M21122	p	M21147	P
M21023	P	M21048	A	M21073	P	M21098	P	M21123	P	M21148	P
M21024	P	M21049	P	M21074	A	M21099	P	M21124	p	M21149	1
M21025	P	M21050	P	M21075	P	M21100	P	M21125	P	M21150	þ



Research Activity (ICMR Student Term Studentship Program)



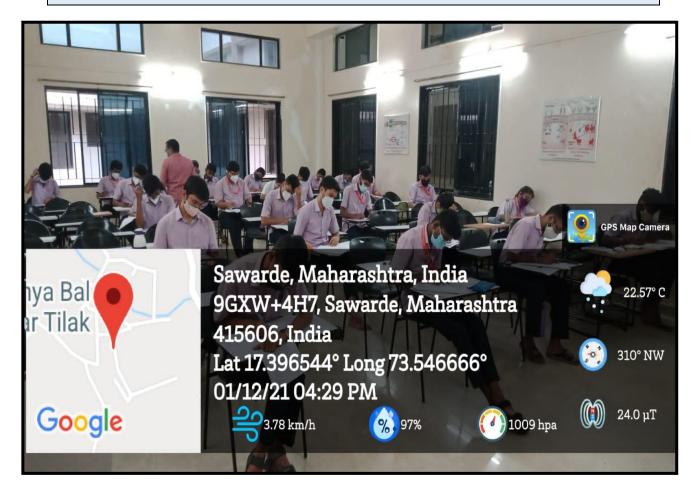
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Skill Lab





Self-directed learning





Project-based learning











Poster presentation competition

Date: 25/06/2022

B.K.L. WALAWALKAR RURAL MEDICAL COLLEGE, SAWARDE Department of Anatomy 1st MBBS 2021-22 Batch

Notice

This is to inform you that, a Poster Competition is organized by the Department of Anatomy on 7th July 2022. Details are given below.

Topics: Body Donation or Organ Donation Awareness

Date: 07 July 2022, Time: 3pm to 5pm

Groups	Student Roll No.
1	1 - 10
2	11 - 20
3	21 - 30
4	31 - 40
5	41 - 50
6	51 - 60
7	61 - 70
8	71 - 80
9	81 - 90
10	91 - 100
11	101 - 110
12	111 - 120
13	121 - 130
14	131 – 140
15	141 - 150

Note: Students have to submit one poster per group.

Professor & Head

Department of Anatomy

Professor & Head Department of Anatomy BKL Walawalkar Rural Medical College Sawarde Kasarwadi Pin- 415606.

DEAN

B.K.L.Walawalkar Rural Medical College, Sawarde Department of Anatomy 1st MBBS 2021-22 Batch Poster Competition

Topic: Body Donation / Organ Donation Awareness

Date: 07/07/2022

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2					Presentation (Clarity of			Total		
	Group	Title (5 M)	Design (5 M)	Content (5 M)	Thoughts, Fluency) (10 M)	Message (5 M)	J-1,2,3 (30 M)	J-2 (30 M)	J-3 (30 M)	Grand Total (90 M)
Fir	1	3	2	3	8	4	20			(>0.111)
	2	2	2	2	6	3	15			
	3	2.5	2.5	2	6	1.5	14.5			
	4	2	2	2	5	2	13			
	5	2	2	2	4	2	12	1		
	6	2.5	2.5	2.5	5	1.5	14		1	
Second	7	3	2.5	3	7	4	195	-		
	8	3	2.5	3	6	3	17.5	-		
	9	3	2.5	3	5	3	16.5	_		
Third	10	3	3	2.5	6	4	18.5	-		
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	14	2.5	2.5	2.5	5	2.5	15			
	15	2.5	2.5	2.5	5	2.5	15			- /

Dr. Arvind Yadav (Professor in Biochemistry)

ofessor in Biochemistr Academic Chairman BKLWRMC 7 07 2022 Dr. Avinash Waghmode

Professor & Head
Department of Forensic Medicine

Dr. Vijay Dombale Principal BKLWRMC

DEAN







Poster Competition on substance abuse









Time Table for MUHS Summer Internship Program- 2022

SVJCT's B.K.L. Walawalkar Rural Medical College, Sawarde Department of Microbiology and Molecular Biology Time Table for MUHS Summer Internship Program – 2022 SIP – MOLECUAR BIOLOGY

Sr. No.	Date/Day	Session	Topic	Timings	Teacher
1	1 (24/5/22)	Lecture	Basics of Molecular biology – DNA and RNA	10 am – 11 am	Dr. Shelke
2	1 (24/5/22)	Lecture	Basics of Polymerase chain Reaction	11 am – 12 am	Dr. Nakate
3	1 (24/5/22)	Visit	Visit to Molecular laboratory	2 pm – 5 pm	All Labs
4	2 (25/5/22)	Lecture	Methods of DNA and RNA extraction	10 am -12 pm	Dr. Mulherkar, Dr. Shirsat
5	2 (25/5/22)	Demo	DNA and RNA extraction - Demo	2 pm – 5 pm	MB Lab
6	3 (26/5/22)	Practical	DNA and RNA extraction	9 am – 5 pm	MB Lab
7	4 (27/5/22)	Lecture	Conventional PCR	10 am – 11 am	Dr. Mulherkar, Dr. Rohit Bhat
8	4 (27/5/22)	Lecture	Detection of PCR products in Conventional PCR	11 am – 12 am	Dr. Rohit Bhat
9	4 (27/5/22)	Demo	Gel electrophoresis – Demo	2 pm – 5 pm	MB Lab
10	5 (28/5/22)	Practical	Gel electrophoresis	9 am – 5 pm	MB Lab
			29/5/22, SUNDAY		
11	6 (30/5/22)	Lecture	Real time PCR , Detection of PCR products in Real time PCR	10 am – 11 am	Dr. Nakate
12	6 (30/5/22)	Lecture	Modifications of PCR	11 am – 12 am	Dr. Nakate
13	6 (30/5/22)	Demo	Real time PCR	2 pm – 5 pm	VRDL
14	7 (31/5/22)	Practical	Real time PCR	9 am – 5 pm	VRDL
15	8 (1/6/22)	Lecture	Primer designing	10 am 11 am	Dr. Mulherkar
16	8 (1/6/22)	Lecture	DNA sequencing	11 am – 12 am	Dr. Mulherkar

DEAN

17	8 (1/6/22)	Lecture	Applications of molecular biology in medicine	12 pm – 1 pm	Dr. Mulherka
18	8 (1/6/22)	Demo	Automated RNA extraction	2 pm – 5 pm	VRDL
19	Day 9 to Day 14 th (6 days) 2/6/22 to 8/6/22 (5/6/22 SUNDAY – HOLIDAY)	Demo/Practical	Elective demonstration and practical sessions Options are: 1. DNA/RNA extraction 2. Gel electrophoresis 3. ELISA 4. RTPCR	All day	MB lab/VRDL

Dr. Rita Mulherkar

In-Charge, Molecular Biology

BKLWRMC.

Dr. Prasanna Nakate

HOD, Microbiology & Lab Director

VRDL, BKLWRMC.

DEAN

Letter from University (MUHS, Nashik) Regarding Online conduct of

lectures/ e-sessions for SIP students



महाराष्ट्र आरोग्य विज्ञान विद्यापीठ, नाशिक MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK

दिंडोरी रोड म्हसरुळ, नाशिक - ४२२००४ Dindori Road, Mhasrul, Nashik - 422004 Tel : (0253) 2539156/6659156 Student Helpline : (0253) 2539111/6659111 Website : www.muhs.ac.in, E-mail : ieh@muhs.ac.in



डॉ. कालिदास द. चव्हाण

एम.बी.बी.एस., एम.डी. (न्यायवैद्यक शास्त्र), पीएच. डी., डी. एस्सी. कुलसचिव Dr. Kalidas D. Chavan M.B.B.S., M.D. (Forensic Medicine), Ph.D., D.Sc.

Registrar

MUHS/ IEH /137/ 2022

By Email

Dated :- 26/05/2022

To,

All the SIP Centres. Conducting Summer Internship Program- 2022

Subject: To convey the online lecture / e-sessions for the SIP students to be conducted by MUHS regarding...

Respected Sir / Madam,

Let me take an opportunity to compliment your efforts for effective implementation of Summer Internship Program - 2022.

As a step forward and new initiative to Summer Internship Program, I am directed to inform you that MUHS is pleased to announce the, online lecture / e-sessions for the SIP students. Kindly note the tentative schedule as under.

Sr. No.	Name of the	Торіс	Tentative Date and Timings			
1.	Dr Ashutosh Ojha	Methodology & outcomes in Internship program	Monday 30 th May 2022 02:30pm to 03:30pm			
2.	Dr. Rajkumar Suryavanshi.	Online Guidance and motivation in Summer Internship	Tuesday 31 th May 2022 02:30pm to 03:30pm			
3.	Dr Subhashini Sunwadekar	Basic Airway management.	Wednesday01st June 2022 02:30pm to 03:30pm			
4.	Dr Presannjit Kokate	Spotting in Adolescents	Thursday 02st June 2022 02:30pm to 03:30pm			
5.	Dr Gopal Shinde Sir / Dr Ashutosh Ojha	Yoga therapy and research potential	Friday 03st June 2022 02:30pm to 03:30pm			

(P.T.O.)

DEAN

It is requested that, concerned SIP centre shall consider this initiative positively and provide the necessary facilities for the students to join these online sessions, if required.

It is required that, SIP students should join this online lecture / e-sessions and acquire necessary knowledge. The required online lecture / e-sessions online meeting Zoom link will be shared with the concerns in the due course of time.

Kindly note the same and do the needful at your end.

Thanking you,



Copy to:

- 1) Hon'ble Vice Chancellor Office,
- 2) The Dean, MPGI, MUHS, Nashik.
- 3) The Concerned faculty member, MPGI, Nashik.
- The In-charge, Computer Deptt Hardware and Networking MUHS, Nashik.

You are hereby directed to note the schedule and provide the necessary tech support & online zoom meeting link(s).

DEAN

B.K.L.Walawalkar Rural Medical College At.Kasarwadi, Post Sawarde Tal.Chiplun,Dist.Ratnagiri

Geotagged Photos of Summer Internship Program

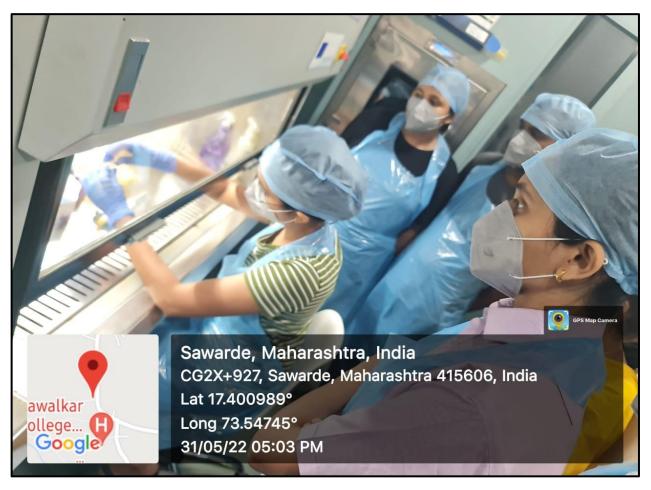








B.K.L.Walawalkar Rural Medical College At.Kasarwadi, Post Sawarde Tal.Chiplun,Dist.Ratnagin





CERT NO.2022/SIP/815/1103/39/056/026

CERTIFICATE

OF PARTICIPATION



IN SUMMER INTERNSHIP PROGRAM (SIP) - 2022 IS AWARDED TO



Patil Tejaswini Tanaji

For successful completion of 2 Weeks SIP in Learning Goal of:

Molecular Biology at MUHS enrolled SIP Center:

B.K. L. Walawalkar Rual Medical College, Sawarde Tal, Chiplun, Ratnagiri.

For the period from 24/05/2022 to 07/06/2022

INA 3/1

Dr. Rambadan P. Chauhan Nodal Officer



Dr. Prasanna C. Nakate Vertical Head



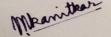
Dr. Vijay D. Dombale Principal B.K. L. Walawalkar Rural Medical College



Mr. Sandeep Rathod SIP Co-ordinator, MUHS



Dr. Kalidas D. Chavan Registrar, MUHS



Lt Gen Madhuri Kanitkar (Retd) PVSM, AVSM, VSM, Vice-Chancellor, MUHS, Nashik



