



INSTITUTE OF HEALTH SCIENCES

(A Unit of Margdarsi)

Office : N-2/41, I.R.C. Village, Nayapalli, Bhubaneswar, Odisha - 751015, Ph. : 0674-2553640, 2550054
Campus : Chandaka, Bhubaneswar, Khordha, Odisha - 754005, E-mail : ihsbbsr@margdarsi.org, Web : www.ihsindia.org

4.2.3 Detailed report of laboratories utilities for the benefit of students as learning resources

ANATOMYLAB

Objectives:

1. Identification and description of all anatomical structures.
2. The learning of anatomy is by demonstration only through dissected parts, slide , models, charts, etc.
3. Demonstration of dissected parts (upper extremity, lower extremity, thoracic & abdominal viscera, face, and brain).
4. Demonstration of the skeleton-articulated and disarticulated.
5. During the training more emphasis is given to the study of bones, muscles, joints, nerve supply of the limbs, and arteries of limbs.
6. Surface anatomy: surface landmark-bony, muscular and ligament. Surface anatomy of major nerves, arteries of the limbs
7. Points of palpation of nerves and arteries.

Outcomes:

The students are enabled to learn in detail about the body parts and their anatomy, thereby enabling the diagnose the affected part with proficiency.





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PHYSIOLOGY LAB

Objectives:

1. Examination of pulse, B.P., and Respiratory rate.
2. Reflexes
3. Spirometry to measure various lung capacities & volumes, Respiratory rate, Tidal volume, IRV, IC, ERV, EC, and residual volume on Spirometry.
4. Estimation of Hemoglobin, R.B.C , W.B.C., TLC, DLC, ESR count.
5. Blood indices, Blood grouping, Bleeding & Clotting time.



Outcomes:

The students lead with better clarity of all the physiological processes and the abnormalities associated with it leading to a disorder/disease and the parameter associated with it.





PHYSIOTHERAPEUTIC LAB:

Objectives:

This lab focuses on imparting student's within-depth knowledge of various electro-modalities and exercises and their equipment. Here we cater to various approaches and assessments of various disorders. Further here they are taught focused on these points:

Exercise therapy:

1. Goniometry—measurement of joint ROM.
2. Identify muscle work of various movements in the body at different angles. Identify normal and abnormal posture.
3. Normal gait with its parameters and abnormal gait with the problems in it and its training and aids used.
4. Starting positions and derived positions.
5. Range of motion (PROM, AROM, and AAROM) exercises to all joints.
6. Suspension exercise to all major joints.
7. Massage—upper limb, lower limb, back, and face.
8. Manual muscle testing and find individual muscles.
9. Coordination exercises and balancing exercises.
10. Joint Mobilization to the individual joint.
11. Stretching of individual and group muscles.
12. PNF patterns to the upper and lower limb.
13. Various types of breathing exercises, chest mobilization exercises postural drainage.

Electrotherapy:

1. Identify basic electrical components in electro therapeutic equipment.
2. Reading medical records, and identifying indications and contraindications for electrotherapy. Stimulation of motor points, stimulation of individual muscle and group muscle.
3. Application of Ultrasound for different regions-various methods of application.
4. Demonstrate treatment techniques using SWD, IRR, and Microwave diathermy.
5. Demonstrate the technique of UVR exposure for various conditions—calculation of test dose.
6. Calculation of dose and technique of application of LASER.
7. Technique of treatment and application of hydro collator packs, cryotherapy, contrast bath, and wax therapy.



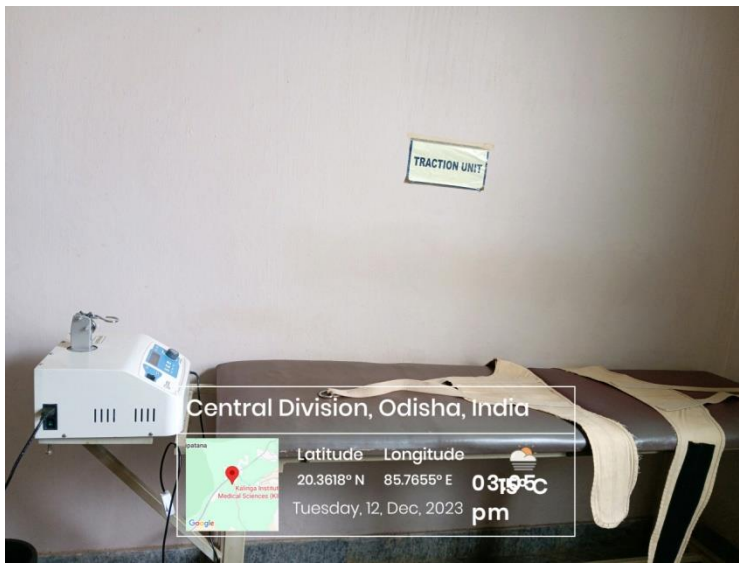
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Outcomes:

The students get well versed with the instrument, various techniques, and approaches and further can diagnose a patient with proper assessment and appropriate diagnosis.





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SPEECHLAB:

Objectives:

Speech and Language Assessment and Intervention on Persons with Communication Disorders and how to do diagnosis and treatment for different disorders in clinical practice.

1. Introduction to the diagnostic process.
2. Terminologies in the diagnostic process.
3. General principles for Speech and Language Diagnosis and Therapy.
4. Approaches to Speech and Language Diagnosis and Therapy.
5. Techniques for Speech and Language therapy.

6. Equipment and Devices

- a. Dr Speech
- b. Speech trainer
- c. Endoscope
- d. Spiro meter
- e. Pratt
- f. Tape recorders
- g. Head phone with microphone with good noise cancellation

Outcomes:

The outcome is to provide a platform for the students to demonstrate a thorough clinical understanding of the diagnostic and rehabilitative protocols in detail.

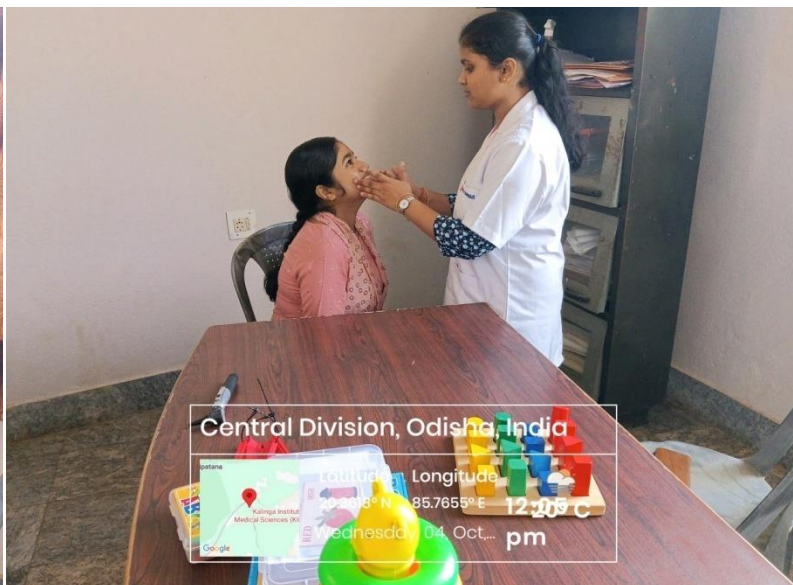
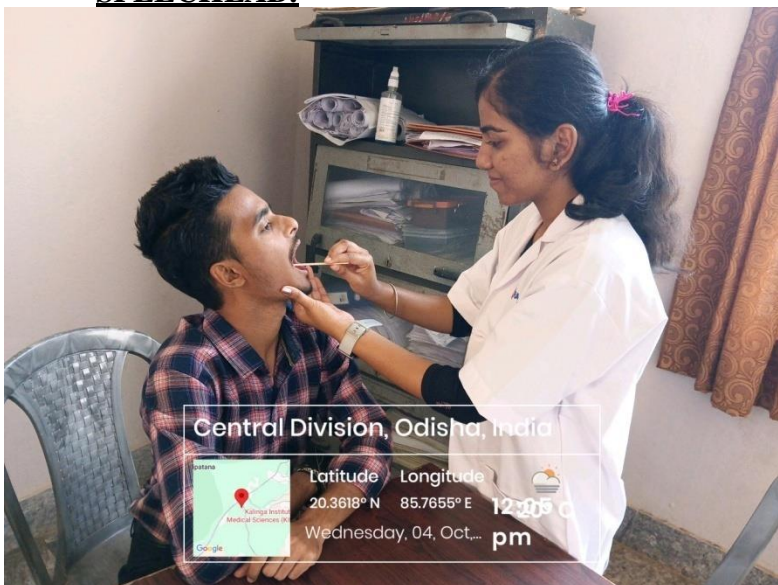


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SPEECHLAB:





AUDIOLOGY LAB

In the Department of audiology, students are trained to administer proper assessments and interventions to their respective clients. Each year as a part of the clinical training students:

- Perform a normative assessment of their classmates
- Perform assessments on clients under clinical supervision
- Learn various intervention protocols in a clinical setting and apply them to clients in a clinically supervised setting

Teststhatthestudentslearnandadministerinaclinicalsettingrangefrombeingasbasicas:

- A tuning fork test
- A pure tone audiometry
- Behavioral Observational Audiometry, etc

. Too complex and complicated tests such as

- O to Acoustic Emissions
- Brainstem Evoked Response Audiometry
- Acoustic Reflex Decay tests, etc.

During the clinical run students also learn to differentially diagnose similar-looking conditions, also they understand which tests are to be administered on a child vs. on an adult depending on the condition they have.

In the intervention part, the students are trained in various parameters

- A Hearing aid Selection
- Hearing aid Trial
- Auditory Verbal Therapy
- Programming a hearing aid
- Alternatives to a hearing aid, etc.

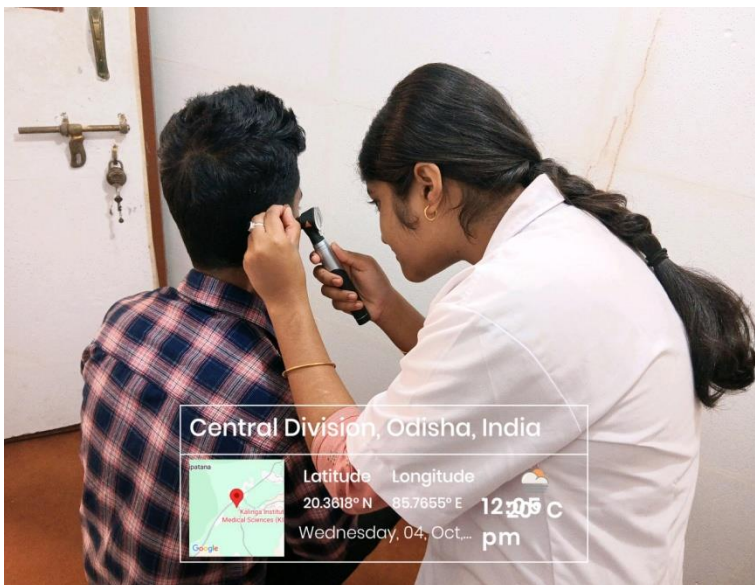
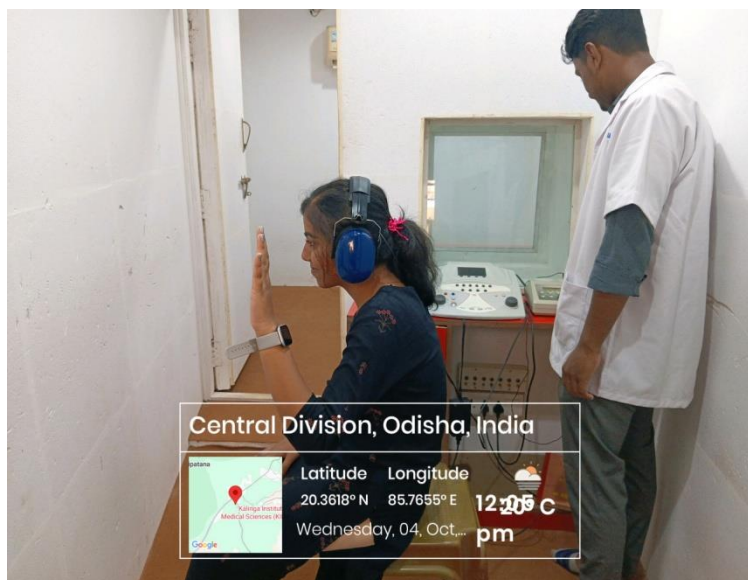
This intense clinical exposure aims to mould an individual in to a competent clinician who can confidently cater to the needs of the clients they are working to rehabilitate.



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Timetable for BASLP Clinics



INSTITUTE OF HEALTH SCIENCES

w.e.f- 12.08.2023

BASLP- 5th SEM (Batch 2021-22)

TIME TABLE

Day	9:00 am- 9:45 am	9:45 am- 10:30 am	10:30 am- 11:15 am	11:15 pm- 12:00 noon	12:00 noon- 12:30 pm	12:30 pm- 5:00 pm
Monday	PA	SA & SD	ARC	FD	L	Clinic
Tuesday	PA	SA & SD	ARC	FD	U	Clinic
Wednesday	PA	SA & SD	ARC	FD	N	Clinic
Thursday	PA	SA & SD	ARC	FD	C	Clinic
Friday	PA	SA & SD	ARC	FD	H	Clinic
Saturday	PA	SA & SD	ARC	FD	--	Clinic

B.5.1: Structural Anomalies & Speech Disorders: Dr. VIVEK KUMAR

B.5.2: Fluency and its Disorders: Ms. NIKITA SUBUDHI

B.5.3: Pediatric Audiology- Behavioral Test: Mr. RAJ SHEKHAR

B.5.4: Aural Rehabilitation in Children: Dr. SUBHASMITA SAHOO

B.5.5: Clinicals in Speech Language Pathology: Dr. VIVEK KUMAR and Ms. NIKITA SUBUDHI

B.5.6: Clinicals in Audiology: Dr. SUBHASMITA SAHOO and Mr. RAJ SHEKHAR

Vivek
Kumar

Dr. VIVEK KUMAR
Class Teacher

B.5.6

PRINCIPAL

Principal
Institute of Health Sciences
Bhubaneswar



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Timetable for BPT Clinics



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w.e.f- 15.04.2024

BPT 8th SEMESTER (Batch: 2020-21)

TIME TABLE

Day	9am-10am	10am-11am	11am-12:30pm	12:30pm-1pm	1pm-2pm	2pm-3pm	3pm-4pm	4pm-5pm
Monday	Clinic	Clinic	Clinic	Lunch	Clinic	PT Ortho	PT Neuro	PT Neuro
Tuesday	Clinic	Clinic	Clinic	Lunch	Clinic	PT Ortho	PT Neuro	PT Neuro
Wednesday	Clinic	Clinic	Clinic	Lunch	Clinic	PT Ortho	Project	Library
Thursday	Clinic	Clinic	Clinic	Lunch	Clinic	PT Ortho	PT Neuro	PT Neuro
Friday	Clinic	Clinic	Clinic	Lunch	Clinic	PT Ortho	PT Neuro	PT Neuro
Saturday	Clinic	Clinic	CASE PRESENTATION	Lunch	Clinic	PT Ortho	JC	Sports

PT ORTHO- Prof. SS Rau/Dr. Durgesh Nandini Sahoo, PT NEURO –Dr. Ritu Parna Mohanty

Principal

Principal
Institute of Health Sciences

Dr. Durgesh Nandini Sahoo
Class Teacher



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BPT Clinical Attendance

TOTAL PRESENT DURING THE MONTH.....		PERCENTAGE ATTENDANCE.....		ATTENDANCE FOR THE		REGISTER																														
NUMBER OF WORKING DAY.....		AVERAGE ATTENDANCE.....				MONTH OF January 2024																														
No.	NAME	ATTENDANCE																															Days presents		Amount of advance	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Rs.	P.		
1	Abhaya pratap Behera	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
2	Aditya Ranjan Mishra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
3	Anchal Mohapatra	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
4	Ankur Panda	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
5	Arjun Sekhar Rout	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
6	Asi Jethi	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
7	Gayatri Karna	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
8	Jyotishman Mohanty	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
9	Krishna praja	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
10	Manika Das	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
11	Millan Ku Dehury	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
12	Mohit Abhishek	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
13	Pratisha Singh	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
14	Pratham Ku Nayak	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
15	Purnatoya Kaisingh	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
16	Purnima Chakr	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
17	Rukimita Parhi	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
18	Saenita Rout	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
19	Subham Mohapatra	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
20	Subhashree Jena	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
21	Subhashree S. Behera	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
22	Suman Sarita prusty	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
23	Sushree Sanigta Rout	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
24	Swapab Sishra	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
25	Tophan Nahak	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
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