



A Report on Workshop cum Model presentation

Venue: 1st Year BHMS classroom

Date: 14/08/2024

Time: 01:15 PM to 03:30 PM

Academic Year: 2023-24

No. of Students: 100

Name of Faculty:

Dr. Bhaskar Bhatt, Principal, LRSHC

Dr. Arvind Bhatt, Ex. Principal cum HOD, Department of Anatomy

Dr. Dinesh Rawat, Associate Professor, Department of physiology & Biochemistry

Dr. Vimla, Assistant Professor, Department of physiology & Biochemistry

Dr. Pintu Srivastava, Associate Professor, Department of Anatomy

Dr. Poonam Patel, Associate Professor, Department of Repertory & Case taking

Dr. Saumya Sharma, Assistant Professor, Department of Materia medica

Dr. Samartha Singh, Assistant Professor, Department of Materia medica

Dr. Vivek Vasoya, Assistant Professor, Department of Pathology and Microbiology

Report Summary:

It was a workshop cum model demonstration that showcased the students' hard work and understanding of key physiological concepts! Each model must have been a great learning tool for both the students who created them and the participants who viewed them.

The topics covered are fundamental to understanding human physiology. Here's a brief overview of each model topic:

1. **Auditory Pathway:** This model could have demonstrated how sound is transmitted through the ear, converted into nerve impulses, and processed by the brain.



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2. **Cardiac Cycle:** This model would explain the sequence of events that occur as the heart contracts and relaxes, highlighting stages such as systole and diastole.
3. **Respiratory System:** A model of this system could have shown how oxygen is inhaled, travels to the lungs, and is exchanged with carbon dioxide for exhalation.
4. **Circulatory System:** This model likely demonstrated how the blood circulates through the heart, arteries, veins, and capillaries, providing nutrients and oxygen to tissues.
5. **ECG (Electrocardiogram):** The ECG model would show the electrical activity of the heart and how it's recorded to detect arrhythmias and other heart conditions.
6. **Neuron Conduction:** A model of neuron conduction might have demonstrated how nerve impulses travel across neurons through action potentials and synapses.
7. **Neuromuscular Junction:** This model could illustrate how the signal from a nerve is transmitted to a muscle to initiate contraction, showing neurotransmitter release and receptor interaction.
8. **Hemodialysis:** The hemodialysis model would likely have depicted how kidneys filter waste from blood when the organ's function is impaired, demonstrating the process of dialysis.
9. **Gastrointestinal Tract:** This model could demonstrate the journey of food through the digestive system, including the breakdown of nutrients and absorption.
10. **Fetal Circulation:** This model would explain how blood circulates through the fetal body before birth, with shunts like the ductus arteriosus bypassing the lungs.

It must have been an impressive display of creativity and scientific understanding. The interactive sessions during demonstrations really bring models to life and make the concepts more engaging and easier to understand. It was exciting to see the models in action, especially with students actively explaining the mechanisms behind each physiological process.

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MANAGED BY: Smt. T.V. MEHTA CHARITABLE FOUNDATION
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List of students participated in model demonstration –

