

Department of Biochemistry

Post event write-up on Workshop

Topic: Acid Base Balance: Translating Theory into Practice

The Department of Biochemistry successfully conducted a one-day workshop on "Acid-Base Balance: Translating Theory into Practice" for Phase 1 MBBS students of the 2024-25 batch on **21st February 2025**, from **9:00 AM to 4:00 PM** at **Lecture Hall-1, SCMCH & RI**. Acid-base balance is a fundamental physiological process crucial for maintaining homeostasis, and its dysregulation can lead to significant clinical conditions.

The workshop was led by the **Guest Speaker** for the event, **Dr. Preethi B.P., Professor & Head of the Department of Biochemistry** at **J.J.M. Medical College, Davangere**. Dr. Preethi provided students with a structured learning experience, bridging theoretical knowledge with practical applications.

The event began with an invocation song, followed by a welcome address by **Dr. Manjula K.S.**, Professor & Head, Department of Biochemistry. The program was formally inaugurated with the ceremonial lighting of the lamp by esteemed dignitaries: **Dr. Roshan Kumar**, Medical Superintendent, and **Dr. Nanja Raj C.P.**, Vice Principal, SCMCH & RI. Dr. Preethi B.P. was also honoured during this session.

The scientific sessions commenced with a **pre-test** to assess the students' baseline understanding of acid-base balance. **Dr. Mythri S.**, Assistant Professor, Department of Biochemistry, introduced the guest speaker, **Dr. Preethi B.P.** The scientific sessions included:

- **Fundamentals of Acid-Base Balance:** Principles of pH regulation and buffering systems.
- **Case Discussions:** Analysis of metabolic and respiratory acidosis/alkalosis.
- **Hands-on Training:** Interpretation of arterial blood gas (ABG) reports and clinical correlation.

Dr. Preethi B.P. offered in-depth explanations on how the body regulates acid-base balance, with a focus on buffer systems and compensatory mechanisms. The workshop concluded with a summary of key concepts and practical tips for answering related exam questions.

Feedback forms and post-test responses indicated high appreciation from the students for the workshop's engaging and practical approach.



SRI CHAMUNDESHWARI MEDICAL COLLEGE HOSPITAL & RESEARCH INSTITUTE

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The Department of Biochemistry extends its gratitude to **Dr. Preethi B.P., Guest Speaker** for the event, and **Professor & Head of the Department of Biochemistry** at J.J.M. Medical College, Davangere, for her valuable insights. The department also thanks all participants for their active involvement in making this workshop a success.

The event concluded with a vote of thanks by **Dr. Abhijith D.**, Associate Professor, Department of Biochemistry.
