

## PHYSIO REELS 2024

Physio Reels 2024, organized by the Department of Physiology under the leadership of Professor & Head, Dr. Jeneth Berlin Raj, was conducted on 19th July 2025 in conjunction with the CME-cum-SEP session “*Navigating the Complexities of Acid–Base Disorders.*”

As part of this academic initiative, the segment “*3 Minutes to Physio – Bite-sized Brilliance from MBBS Minds*” was showcased from 8:00 AM to 10:00 AM for Phase I MBBS students. This innovative event encouraged learners to blend scientific accuracy with creativity, presenting core physiology concepts in concise and engaging formats. Each group, consisting of four students, produced a video of less than three minutes, selecting a theme of their choice within the subject.

In total, 85 students participated, producing 27 engaging and insightful videos, which were presented in the presence of faculty members Dr. Jeneth Berlin Raj, Dr. Vishnu Priya, and Ms.Narmatha. The showcase attracted an audience of 155 observers, who appreciated the clarity, originality, and depth of understanding demonstrated by the students.

The topics spanned a wide spectrum, including:

Topics	Student's Name & Roll No
Anaphylactic shock	1. Aniruddh Prashanth A (11) 2. Raghul P (105) 3. Sittesh M (120)
Bilirubin in Hemolytic Jaundice	1. Estrella Mary M (36) 2. Harini K (43) 3. Sowmetha PP (124)
Bitemporal Hemianopia	1. Naveen perumal M (81) 2. Rakshith P (106) 3. Sanjay Siddharth S (112)
Bleeding Disorders in Vitamin K Deficiency	1. Gopika G (38) 2. Jerfin Toneya J (57) 3. Jaya Varshini B (58) 4. Joshua Prabhakar S (60)
Blood doesn't clot in circulation	1. Devika B (26) 2. Sushma Nivas S (133) 3. Swarnamathi (134)
Blood Grouping and Paternity Dispute	1. Dhanusha S (27) 2. Dhivya P (31) 3. Dhivya dharani S (32)
BP–Palpatory method done before auscultatory method	1. Krithikeshwar Balamurugan (67) 2. Raghul R (104) 3. Suriya TKMS (132) 4. Rohit D (108)
Cushing's syndrome	1. Jayasabari K (55) 2. Keerthana V (66) 3. Mirnalini M (74)

Digitalis in myocardial infarction	1. Mohammed Arshadh N (77) 2. Sathyan S (115) 3. Vigneshwar K (147)
Edema in liver disease	1. Dhanushree V (28) 2. Soniya T (123) 3. Shreetha S (125)
Fright or Flight response	1. Jai Sakthivel T (53) 2. Jaswanth V (54) 3. Radhi raj R (102) 4. Shylesh E (119)
Gastrectomy and gastric atrophy cause anemia	1. Hevika SJ (50) 2. Lalithambigai K (69) 3. Pavithra KS (91)
Glycemic index	1. Gokul Prasath G (39) 2. Hemanth RV (48) 3. Saran C (114) 4. Vaishnavi T (142)
Why Heart muscle can't be tetanized?	1. Aishwarya K (05) 2. Priyadharshini R (153) 3. Shree Arase S (118)
Hypocalcemia in Tetany	1. Fahad M (37) 2. Safa Rakshana S (109) 3. Velpandiar PR (146)
Impedance matching	1. Gowtham Sidhu B (41) 2. Kabila Kishore S (62) 3. Mohan babu D (75)
Menstrual cycle	1. Hakshitha M (42) 2. Harshitha Pemmasani (46) 3. Hemalatha R (47)
Muscle Weakness in Hypokalemia	1. Sokitha UG (122) 2. SubaShree M (128)
Myasthenia gravis	1. Preethiga R (96) 2. Sahana RA (116) 3. Shivya Dharshini N (117)
Neonatal respiratory distress syndrome	1. Hemavathi MK (49) 2. Kavya M (65) 3. Lakshana K (68)
ORS in dehydration	1. Gokul T (40) 2. Inbaselvan V (51) 3. Lokesh Kumar V (72)
Phantom Limb Phenomenon	1. Harini K (43) 2. Harsha vardhini S (44) 3. Madhu shree R (73)
Proteolytic enzymes in inactive form	1. Preethika Sherley R (98) 2. Sri Shankari M (126) 3. Suga Priya GP (130)
Referred pain	1. Deepika J (23) 2. Jyothi Priya M (61) 3. Lakshmi Priya K (70)
Rigor Mortis	1. Dhivya shree A (34) 2. Sangeetha vani R (111) 3. Vedullapalli Medhaashritha (145)

Steroid and silent killer	1.Dhanvanth Raj LP (29) 2.Shivashanmugam (121) 3.Sudharshan B (129)
Spinal cord lesion	1.Dhivesh Madhavan MP (30) 2.Dhyanesh VU (33) 3.Iyappan V (52) 4.Jivith Sachin V (59)

To enhance student motivation and promote self-directed learning, the Department of Physiology has initiated the practice of curating and sharing high-quality educational videos through its official YouTube channel, "Pulse of Physiology."

Only original or copyright-free content aligned with the MBBS curriculum is featured to ensure both academic integrity and accessibility. The channel also serves as a platform to showcase students' creative academic contributions and departmental academic events, fostering a culture of engagement and innovation in learning.

You may access the channel via the following link:

 <https://www.youtube.com/@PulseOfPhysiology>

Beyond subject knowledge, the initiative fostered essential 21st-century skills such as teamwork, communication, and digital literacy, as students collaborated on scriptwriting, visual design, and video production. The event also stimulated peer-to-peer learning, as participants gained insights not only from their own projects but also from those of their peers.

The jury of faculty members highlighted the high standard of preparation and applauded the students for transforming abstract physiological concepts into relatable narratives. The audience feedback reinforced the effectiveness of the activity as a student-centric learning strategy, making Physiology more approachable and memorable.

The event witnessed enthusiastic participation, reflecting the students' curiosity, creativity, and growing competence in Physiology. *Physio Reels 2024* not only showcased the academic potential of Phase I MBBS students but also served as an innovative teaching-learning model, bridging traditional pedagogy with modern educational practices. By merging science with creativity, it has set a precedent for similar academic innovations in the future.

CONVERGENCE THEORY



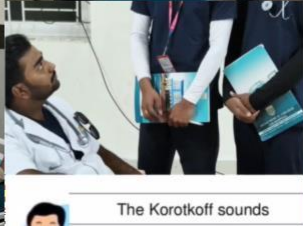
ACN

Neuron



Ca++ Exchanger

Na+



The Korotkoff sounds

