

5th IMCPQ, UCMD, UOL
International & Online
August-September 2024

Prof. Samina Malik

Physiology Quiz UCMD 2024:

Objectives:

1. To provide an evidence for co-creation of curriculum by faculty and students.
2. To improve the focus of undergraduate medical, dental and allied students on physiology and its applied aspects.
3. To empower the physiology students with AI and Simulation technology for clinical approach and patient safety.
4. To provide a structured curriculum to quiz participants in order to avoid cramming from previously released videos of international physiology quiz.
5. To improvise the physiology quiz by drawing a bigger line of innovation.

Plan of 5th IMCPQ 2024, UCMD, UOL (International & Online):

- 1. **Introductory webinar** with free registration for quiz participants in August 2024 facilitated by AI facilitator **Prof. Samina Malik** and Simulation facilitator **Dr. Jabeen Fayyaz (Director Sick-kids Simulation Centre, University of Toronto. Date: August , 2024.**
- 2. **Random allotment of 11 clinical topics**, uploaded on quiz website and announced in **introductory webinar**. A maximum of 3 teams can apply: 1 Medical, 1 Dental and 1 Allied health Sciences undergraduate team from each institute with 3 members per team.
- 3. **Round 1 of 40% on MCQs attempted with team-effort on socrative, based on those 11 topics** feasible for medical, dental and allied students. **Top 33 overall teams will play the next round.** It will be facilitated by: **Dr. Chaman, Dr. Zobiah, Dr. Nooria, Dr. Ahmed, Dr. Maria, Dr. Khadija** under supervision of **Prof. Samina, Dr. Maimoona and Dr. Sara.** Date: August , 2024.
- 4. **Round 2 of 20%, with 10% score for creation of simulation-scenario based videos** in the light of INACSL standards using any AI tool with three triggers based on history, clinical examination and investigations followed by creation of related videos on pre-briefing/introductory session, simulation-scenario performance on a student as a simulated patient and debriefing/feedback. **The remaining 10% score will be earned by a Q&A session on zoom with each team on their scenario. Date: September , 2024).**
- 5. **Round 3 of 40% individual effort, verbal quiz, with response on chart papers, by top 5 teams of previous round** on a standardized quiz based on concepts of Physiology by **Prof. Dee Silverthorn, (University of Texas, USA, Past-president American Physiological Society).** Date: September , 2024).
- 6. Video message for organizers and participants by Prof. Cheng Hwee Ming and Prof. Nori (previous quiz masters).
- 7. The annual IMCPQ is endorsed by these Physiological societies: PPS, SAAP, IUPS and FAOPS.

11 Clinical topics from Guyton: (Round 1 & 2 by Prof. Samina Malik) 40% score

1. Nerve and muscular disorders
2. Cardiovascular disease
3. Hematological diseases
4. Endocrinal disorders
5. Respiratory disorders
6. Renal and Acid-base disorders
7. Auto-immune disorders
8. Gastro-intestinal disorders
9. Neurological disorders
10. Genetic disorders
11. Body fluid disorders

Entire Physiology curriculum: (Round 3 = 40%)

- By Physiology Quiz Master Prof. Dee Silverthorn.

Incentive:

- Networking with international students
- Endorsement by physiological societies (PPS, SAAP, IUPS, FAOPS)
- Learning
- Live Facebook streaming
- Free registration
- Cash prize (1st prize 500 USD, 2nd prize 300 USD, 3rd prize 200 USD)
- Publication of quiz report in SAAP Bulletin