7th Inter-Medical School Physiology Quiz

Prof. A. Raman Challenge Trophy

Date: 2nd & 3rd October 2009
Venue: Balai Ungku Aziz,
University of Malaya,
Kuala Lumpur, Malaysia.

Organised by:
Department of Physiology,
Faculty of Medicine, UM
3rd October 2009

0730 - 0800  Arrival of Participants & Audience
0800 - 0810  House & Competition Rules
0810 - 0950  Preliminary Round 1 (4 x 4 teams)
0950 - 1005  Tea Break
1005 - 1025  Welcoming Ceremony
1025 - 1205  Preliminary Round 2 (4 x 4 teams)
1205 - 1300  Lunch Break
1300 - 1350  Second Round (2 x 4 teams)
1350 - 1440  Third Round (2 x 4 teams)
1440 - 1520  Fourth Round (6 teams)
1520 - 1535  Intermission
1535 - 1600  Semifinal Round (4 teams)
1600 - 1620  Final Round
1620 - 1700  Prize Giving Ceremony & Tea
Assalamualaikum Warahmatullahi Wabarakatuh and Greetings!

I am proud that University of Malaya is hosting the 7th Inter-medical School Physiology Quiz (IMSPQ). This Annual Physiology competition has served to draw both students and lecturers from all over the world for a very stimulating and rewarding Quiz weekend.

Physiology is a cornerstone for the practice of Clinical Medicine. This IMSPQ will provide a good platform to promote excellence in the field of Physiology and is also aimed to highlight the importance of Physiological sciences in the understanding of Clinical Pathophysiology and the practice of Medicine. Over and beyond this competition, the Quiz gathering is also a great impetus for networking among Physiology colleagues from all participating Medical schools.

The IMSPQ provides the opportunity for Physiology lecturers from all participating national and international Medical Schools to gather in Malaysia and is a wonderful opportunity for the educators to share and exchange ideas to better the Teaching of Physiology. The IMSPQ is an excellent, annual focal point for future doctors to begin networking and maintaining professional relationships.

I wish you all another successful Physiology Quiz and I hope that those of you from abroad will also enjoy our multicultural and beautiful country.

With best wishes.

Yours sincerely,

~ Professor Datuk Dr. Ghauth Jasmon ~
Dear Colleagues and Students,

I am very pleased to welcome you all to the 7th Inter-Medical School Physiology Quiz.

The Department of Physiology initiated this unique annual event in 2003.

At the 1st IMSPQ, we had a small competition between seven local Medical Schools. Last year at the 6th IMSPQ, we had 35 different University teams from over 10 countries reflecting the enthusiasm and support for this International Physiology Quiz.

This year we again have more than 30 participating teams including the very first team from University of Kurume, Japan gathered in Kuala Lumpur, University of Malaya for this Physiology challenge event.

I am certain that both the students (competitors and supporters) and the accompanying lecturers will have a stimulating and enriching Quiz weekend.

Even after this adrenaline-high Quiz is over, new friendships and long term academic links would have been fostered.

I am confident that the IMSPQ will continue to reverberate to more Physiology departments across the globe and we might have to plan towards a longer Quiz weekend in the near future!

I wish you all a memorable and enjoyable time during the 7th IMSPQ.

~ Professor Dato’ Dr. Ikram Shah Ismail ~
Assalamualaikum and salam sejahtera! On behalf of the organising committee I would like to wish everyone a warm welcome to the Faculty of Medicine, University of Malaya. To our friends and colleagues from overseas who are joining us for the first time in this annual event “Selamat datang”. Lest we forget, this event is organized in memory of our dear friend and teacher, the late Professor A. Raman who was the first Malaysian Professor of Physiology and Head of Department of Physiology of this premier university.

The first quiz that was held in 2003 saw participants from 7 universities. Since then we have grown from strength to strength. It is now an annual international event and this year we have 31 teams from 11 countries from around the Asian region. Twelve of the participating teams are entering the competition for the first time. The countries that are represented in this quiz are Thailand, Brunei, Singapore, Indonesia, India, Sri Lanka, China, Taiwan, Philippines, Japan, and Malaysia. This event will give students the opportunity to socialize and interact with the national and international students and perhaps at the same time learn something new from each other. For the lecturers accompanying the students, we will also have the opportunity to get to know each other.

I wish to thank our Vice Chancellor, Professor Datuk Ghauth Jasmon and the Dean of the Faculty of Medicine, Professor Dato’ Ikram Shah Ismail for their financial and moral support, all categories of staff of the Department of Physiology for making this annual event a success and to all our generous sponsors. McGraw-Hill is the main sponsor for the winners.

Thank you.

~ Professor Dr. Ruby Husain ~
Prof. Raman was born in India on July 1, 1936 and came to settle in Malaysia with his parents and an only brother in 1948. He enrolled in the Kajang High School and later the Victorian Institution, Kuala Lumpur before commencing his medical studies at the University of Malaya in Singapore in 1954.

Upon graduation in 1960, he served as a medical officer in Kulim General Hospital in Kedah. His keen interest in Physiology led him to relinquish his clinical career in 1963 to join the pioneering team of lecturers selected by the founder Dean of the Medical Faculty, University of Malaya, Prof. TJ Danaraj. After intensive training in teaching and research in Physiology under the tutelage of Professor Bell at the University of Dundee in Scotland, he returned to take up his position as lecturer in the Physiology Department in 1965. Prof. Raman’s initial research interest was in calcium metabolism, which became the topic of his dissertations for his Doctor of Medicine and subsequently his Doctor of Philosophy degrees, which he completed in 1969 and 1974 respectively. He was appointed Professor and Head of the Physiology Department at the young age of 35, a post he held until his untimely death in 1998.
Prof. Raman was a firm believer in the physiological basis of medical practice. He also collaborated with his academic staff in many areas of research which resulted in many publications. His kindness and consideration to all members of his department inspired much respect and affection. His dedication and devotion to duty also led the university to extend his service beyond the official retirement age. Prof. Raman passed away suddenly on 2 February 1998 at the age of 61. He was in his second 3-year post-retirement contract when he died. Prof. Raman remained a bachelor and left behind a married brother. His students and colleagues lost a dear friend, and a teacher.

This year marks the 11th anniversary of Professor A. Raman’s passing. Knowing Professor Raman both as a colleague and friend, he would have been amazed that so many students from countries around the region converged to Malaysia yearly to participate in the annual Inter-Medical School Physiology quiz for the Professor A. Raman Challenge trophy. May all our synapses never fatigue.
Guests

L to R: Mrs. Tomoko Kimura, Mr. Atsushi Michael Kimura (Niigata University) and Dr. Satoshi Kimura (Showa University), Japan

Prof. Sven Kurbel
Osijek Medical Faculty
Croatia
Participating Teams
L to R: Shalini Devi Ramachandran, Lye Chuan Way, Tang Chee Chuan, Meera Chandrasekhar

Patrick Yalung, Jesus Martin A. Generoso, Jr., Jose Mariano T. Tan II, John Francis T. Lee Hok, Lizette R. Caro
L to R: Dr. Bongsebandhuphubhakdi Saknan, Termglinchan Vittavat, Nantavisit Tanatchaporn, Takkavatakarn Kullaya

De La Salle Health Sciences Institute
Philippines

L to R: Marjorie Anne Bagnas, Abegail Ceralde, Dr. Angelia Francisco, Gwendolyn Tatoo
L to R: Zhengde LU, Lynn Htet Htet Aung, Gopaul ROODRAJEETSING, Yufang WANG, Fang WANG

Fudan University
China

Guangxi Medical University
China
L to R: Phua Chun Seng, Ng Eng Kian, Truong Thi Huong Tra, Tamatine, Lit Yee, Canace Teoh, Wei Ming

L to R: Dr. Masaru Ishimatsu, Naotaka Kishida, Ryutaro Oda, Miho Ando
L to R: Rooma Kalia, Karan Kataria, Amisha Lamba
Front: Prof G L Khanna

L to R: Wong Jun Yet, Anver Sethwala, Sukanya Baneerjee Nair, Meor Azraai Meor Ahmad, Chee Yong Chuan, Lee Chiang Sheng
Back L to R: Chih-Yuan Cheng, Meng-Ping Lin, Hsuan-Jui Chang, Yu-Ming Chang
Front L to R: Yen-Ju Chen, Prof. Shirley Li, New Geok Huey

L to R: Thng Zhen Xian, Melissa Chua Hui Xin, Prof Hooi Shing Chuan, Chen Qingyan, Chan Ng Poh Lin Pauline, Linus Lau Jian Fa
Penang Medical College
Malaysia

L to R:  Hoo Chai Zhen, Chung Wei-Lyn, Atikah Razley, Anjanna Kukreja, Khaw Chuen Ryan, Teo Chiang Wen, Hong Sheng Chiong, Au Yong Joo Ken, Amira Anis Ali Yeon

Second Military Medical University
China

L to R:  Ms ZHONG Fei, WANG Geng, LUO Bei-Er, CHEN Xiao, WANG Li-Peng  and Dr. MA Bei
L to R: AP Roongtawan Supabphol, AP Chote Weerawong

L to R: Nattakorn Mahasupachai, Rattaporn Bumrungpol, Sivayos Deetes

L to R: Bharadwaj, Karthik Shyam and Sharan Subramanian
Front: Ann Sarah Koshy
Taipei Medical University
Taiwan

L to R: Huang Yi-Chun, Teng Ming-Hung, Wang Yu-Hung

Universitas Gadjah Mada and Universitas Gadjah Mada
(International Program)
Indonesia

Back L to R: Fitri Fareez Ramli, Yan Mardian, Dr. Ginus Partadiredja, Chin Jian Wei, I Wayan Samayoga, Saifurrizal
Front L to R: Cindy Ng Lee Yie, Vega Pratiwi Putri, Siti Nashria Rusdhy, Dr. Widya Wasityastuti, Dr. Denny Agustiningsih, See Woan Shiang, Winda Yanuami Meye
L to R: Aditya Fahmi Prianda, Dr Yuni Susanti Lazuardhi, Cyntia Paramitasari, Evelyn Johnlin

L to R: Mohd Hadi Hanify Bin Haini, Michael Chan Siang Liang, Dr Zaw Wint, Tan Boon Fei, Nor Islya Emma Binti Othman (not in picture)
Universiti Kuala Lumpur Royal College of Medicine Perak
Malaysia

L to R: Khamini Tharumarajah, Vilasini Devi Magalingam, Munirah Mansor, Elii Mohd Tahir, Choong Jern Teng, Velkanthan Muniandy, Muhammad Azfar

Universiti Malaysia Sarawak
Malaysia

Back L to R: Jimmy Tan Jia Heau, Saw Yee Horng, Calvin Ooi Gim Seong, Lim Kian Wah
Front L to R: Au Yan Qian, Fairuz Ilyia' Nadhirah Modh Maidin
Universiti Sains Malaysia
Malaysia

L to R: Kang Wei Pin, Wong Yit Hao, Sia Wen Li, Chua Pin Pin, Mohd Hatif Kamail

Universiti Sains Islam Malaysia
Malaysia

L to R: Siti Nadia Abdul Rahman, Hani Ajrina Zulkeflee, Wan Mohamed Akmal Wan Mohd, Haafilah Abu Bakar Sidek, Ummu Aiman
Back L to R: Wong Shee Ven, Chian Wen Yi, Amabel Siow, Chia Pik Yuen, Hong Yoke Poh
Front L to R: Foo Wing Jian, Poh Kok Wei, Lai Wee Siang

L to R: Nur Salsabella Asmuni, Muhammad Hidzir Jaafar, Qhasmira Abu Hazir

L to R: Hakimah Khani Suhaimi, Sharifah Nazeera Syed Anera, Muhammad Zulhilmi Abu Bakar

Back L to R: Lucyana Alim Santoso, Dr. Imelda Rosalyn Sianipar, Dr. Sophie Yolanda
Front L to R: Johannes Albert Biben, Hardian Gunardi, Christopher S Suwita
L to R: Darren Teo, Lui Su Ann, Loh Kwong Weng, Tan Pei Wen, Daniel Gan

L to R: S. Srisanjeevan, M. Achchuthan, Prof. Jayantha Jayawardana, Dr. Sharaine Fernando, P. V. Logenthiran, K. D. K. P. Weerasinghe
**List of Participating Universities**

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<tr>
<th>Code</th>
<th>University Name</th>
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<td>UGMRP</td>
<td>Universitas Gadjah Mada Regular Program</td>
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<td>UGMIP</td>
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Quiz Masters

Prof. Cheng Hwee Ming

Assoc. Prof. Rosnah Ismail

Quiz Committee

Prof. Ruby Husain
Prof. Cheah Swee Hung
Prof. Cheng Hwee Ming
Prof. Lam Sau Kuen
Assoc. Prof. Rosnah Ismail
Assoc. Prof. Kim Kah Hwi
Dr. Sa’adiah Hidir
Dr. Naguib Salleh
Dr. Kumar Seluakumaran
Dr. Hoe See Ziau
Dr. Kyaimon Myint
Dr. Hong Yet Hoi
Ms Chan Ying Ying
Ms Chitra Devi Ramachandran

Judges

Academic staff (Malaysia)
Invited overseas lecturers
1. Please kindly switch off your handphones.

2. Please do not take photographs when the quiz is in session.

3. Please refrain from whispering or prompting when the participants are responding to the questions.

4. As far as possible, please remain seated when the quiz is in progress. Attend to your micturition reflex (and the other reflex) during the intervals.

5. Please do clap. Avoid loud cheering and reserve the celebration until the end of the final round.
Quiz Mechanism

A. Preliminary to semifinal rounds

1. In each session, any 3 members of each University Team will compete. The composition of the competing team can only be changed at the beginning of each subsequent round except in acute pathophysiological event afflicting a member!

2. In each session, one member of each Team will step forward to compete e.g. if there are 4 teams in one session, 4 students will step forward.

3. Question one will be directed to the 1\textsuperscript{st} student. The question will be read twice. 10 seconds will be given for the student to respond. A correct answer will earn 3 points. There will be no penalty for a wrong answer.

4. If the first response is wrong (or there is no response in 10 sec), the question is open to the other 3 students to answer in quick time by pressing the buzzer. Quick time response is allowed only after the Quiz Master has announced “The answer is Wrong”. Premature use of the buzzer will be penalized 1 mark (no excuse will be allowed for hyperreflexia!). A correct 2\textsuperscript{nd} response will earn 2 points. An incorrect 2\textsuperscript{nd} response will be penalized 1 mark.

5. Question two will then be directed to the 2\textsuperscript{nd} of the 4 students to respond in 10 seconds. The procedure that follows is repeated until Question four is directed at the 4\textsuperscript{th} student.

6. After the first cycle of 4 students is completed, the next 4 students, one from each University Team will step forward to replace their team member. The Quiz will proceed as above until the 8\textsuperscript{th} question has been asked in the 2\textsuperscript{nd} cycle.

7. The 3\textsuperscript{rd} cycle of competition between the last 4 students completes the session. Each session of 4 Teams will thus have a total of 12 questions.

8. In the event of a tie between 2 or more teams, further question (s) will be asked and any member of each of the 4 teams can be chosen to step forward to compete.
B. Final round

1. At the end of the SemiFinals, the 2 teams in the 3rd and 4th positions will step down and the two Finalists will continue to compete. Extra questions will be asked.

2. As in previous Rounds, two persons, one member each from the 2 teams will step forward to compete to answer a question.

3. In this Final Round, 2 questions will be asked for each pair of competitors to respond in quicktime.

4. The 1st correct quicktime response will be awarded 3 points. A wrong answer will again incur a penalty (we want a Sure winner!).

5. The 2nd correct response will be given 2 points and 1 mark will be deducted for a wrong answer.
**Preliminary round**

- **Group 1**
  - A
  - B
  - C
  - D

- **Group 2**
  - A
  - B
  - C
  - D

- **Group 3**
  - A
  - B
  - C
  - D

- **Group 4**
  - A
  - B
  - C
  - D

- **Group 5**
  - A
  - B
  - C
  - D

- **Group 6**
  - A
  - B
  - C
  - D

- **Group 7**
  - A
  - B
  - C
  - D

- **Group 8**
  - A
  - B
  - C
  - D

**Second round**

- 1st runner up of each group in the Preliminary round

  1. 
  2. 
  3. 
  4.

**Third round**

- Winners of each group in the Preliminary round

  1. 
  2. 
  3. 
  4.
Fourth round

Winners of second round and 2\textsuperscript{nd} & 3\textsuperscript{rd} placing of third round

1.
2.
3.
4.
5.
6.

Semifinal round

Winners of third and fourth rounds

1.
2.
3.
4.

Final round

Winner and runner up of semifinal

1.
2.
Acknowledgements

We wish to acknowledge the following for their kind contribution and support towards the success of this event.

- Student Affairs and Alumni, UM.
- Dean’s Office, Faculty of Medicine, UM.
- General and support staff, Department of Physiology, UM.
- Security Office, UM.
- The Office of Acquisition and Property Management (JPPHB), UM.
- Ms. Tan Lee Fan and Mr. Vincent Ng Chet Shen, Department of Mechatronics and Biomedical Engineering, Universiti Tunku Abdul Rahman.
- ADInstruments S.E. Asia.
- American Physiological Society.
- Cengage Learning Asia Pte. Ltd.
- McGraw-Hill Malaysia
- Teguh Pharma (M) Sdn. Bhd.