

"NEW BEGINNING NEW SCIENCE"



Annual Scientific Meeting of MSGH

GUT 2022

19th to 21st August 2022 Kuala Lumpur Convention Centre Kuala Lumpur, Malaysia

www.msgh.org.my

MSGH BULLETIN 2022 SUPPLEMENT

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MESSAGE



Dear Colleagues, Friends and Biomedical Industry Partners

The Organising Committee of **GUT 2022** with the theme "**New Beginning, New Science**" welcomes you to join us on **19th to 21st August 2022** at the **Kuala Lumpur Convention Centre (KLCC)** for the Annual Scientific Meeting of the Malaysian Society of Gastroenterology and Hepatology (MSGH). This year marks a New Beginning post-pandemic, and there are many New Sciences in the field, thus the theme for GUT 2022. As we transit into the 'old normal' post-pandemic, we have decided to hold GUT 2022 as a fully physical meeting to enable interaction

and the bonding of fellowship and camaraderie which will not be possible with a virtual event.

The scientific highlights and sessions will all be recorded and will be made available to registered participants for a limited period after the meeting. The scientific content will not only feature the latest sciences highly relevant to clinical practice but also clinical topics tailored for busy clinicians. Essentially, the programme is designed for everyone with an interest in gut health including primary care practitioners, family physicians, scientists, surgeons, general physicians and gastroenterologists. As a regular feature, the meeting also welcome submissions of high-quality research papers and authors will stand a chance to win our prestigious Young Investigator Awards. In addition, we will have our industry partners at their physical booths welcoming you to their latest offerings in innovative products and other latest information.

I hope to meet up with you in-person.

Professor Dr Lee Yeong Yeh President, MSGH 2021-2023 & Organising Chair GUT 2022

22ND MSGH ORATION PROFESSOR DR GOVIND K MAKHARIA Citation by Professor Dr Ida Normiha Hilmi



"Celiac Disease: Opportunities and Challenges"

Professor Dr Govind K Makharia is a Professor in the Department of Gastroenterology and Human Nutrition, All India Institute of Medical Sciences, New Delhi, India. He received his training from the prestigious Postgraduate Institute of Medical Education and Research, Chandigarh, India. He has trained 96 fellows in gastroenterology and nine PhD students. He has published 305 articles in indexed journals, 42 book chapters and edited a handbook on celiac disease. He has a h-index of 52 and his publications have been cited 11,000 times. He has been listed amongst the top two

percent of research scientists globally (2021).

Professor Dr Makharia holds many important positions including being the Secretary General of the Indian Society of Gastroenterology; Chair of the Clinical Research Committee, World Gastroenterology Organization; Governing Council Member of the World Gastroenterology Organization; Council Member of the Asian Pacific Association of Gastroenterology and Coordinator of the DBT Consortium on Celiac Disease. In addition to this, he is also the co-inventor of a device for fecal incontinence and a liver biopsy needle (Bioscoop).

Professor Dr Makharia has received many awards including the BMJ South-East Asia Research Paper of the Year Award in 2016, ISG Om Prakash Memorial Award, ISG-Zydus Oration, SR Naik Memorial Award and AIIMS Excellence Awards. He has successfully organised a Young Clinician Programme for the last 11 years involving approximately 900 GI trainees and the first Train-the-Trainers programme on behalf of the Indian Society of Gastroenterology. He has initiated and participated in the development of many global, Asian and Indian practice guidelines on various diseases. His main area of research is Celiac Disease.

In terms of his personal life, Professor Dr Makharia is the loving son to Shyam Lal Makharia and Savitri Makharia and has been blessed with a lovely wife, Dr Suman Lal, who is an obstetrician and gynaecologist. They have a beautiful daughter who is also a doctor; Dr Archita Makharia. He recently expanded his family with Dr Archita's recent marriage with Dr Archit Gupta who is a GI surgeon. His interests outside medicine include travel and music.

Although his illustrious academic career is self-evident, a truly distinguishing feature of Professor Dr Makharia is his warmth, generosity and absolute dedication to patient care and teaching. His lectures have always been outstanding, and I have learned greatly from him over the years; as have a multitude of others. I cannot think of anyone more deserving to present this year's 22nd MSGH Oration; Celiac Disease: Opportunities and Challenges.

19TH PANIR CHELVAM MEMORIAL LECTURE PROFESSOR DR JUSTIN CHE-YUEN WU Citation by Professor Dr Lee Yeong Yeh



"Functional GI Disorders in Asia: The Past and the Future"

Dr Panir Chelvam, was known for being highly successful in his gastroenterology practice but also a caring family man and a kind friend. Professor Dr Justin Wu fits a similar personality. Having known him for several years now, and from a couple of working opportunities with him, I am greatly delighted to read his citation today.

Professor Dr Justin Wu graduated from the Chinese University of Hong Kong (CUHK) with Distinction in Medicine in 1993. He then underwent internal medicine and gastroenterology training under the supervision of Professor Dr Joseph Sung, much regarded as his close mentor

and a friend. With his deep interest in GI motility, he later pursued further training at the Royal Adelaide Hospital under the supervision of Professor Dr John Dent and Professor Dr Richard Holloway in the year 2000.

Professor Dr Justin Wu joined CUHK as an Associate Professor in 2006 and was then promoted to Professor just three years later. During his tenure, he has academic and clinical focus in the field of functional GI disorder (now termed disorders of gut-brain interactions or DGBIs) and gastroesophageal reflux disease with over 300 publications in top medical journals including the New England Journal of Medicine, Lancet and Gastroenterology with H-index above 50. He is a current member of the Working Group of Chicago Classification for esophageal motility disorders.

Professor Dr Justin Wu held several key leadership positions in many local and international professional organizations. He is the current President of the Asian Pacific Association of Gastroenterology (APAGE), Past President of Hong Kong Society of Gastroenterology (HKSGE), President of APDW 2017, and the Scientific Committee Chairman of Asia Neurogastroenterology and Motility Association (ANMA). He has served as the managing director of Journal of Gastroenterology (JGH), and International Associate Editor of American Journal of Gastroenterology (AJG).

As the Associate Dean (Health Systems) of Faculty of Medicine and the Chairman of CUHK Medical Services, he is responsible for development of collaborative network with private health systems, businesses and industry partners in Hong Kong, Greater Bay Area and beyond. He is former Chief Operating Officer of CUHK Medical Centre, the private teaching hospital of CUHK; the founding director of Asia's first "Global Physician-Leadership Stream" (GPS) of MBChB programme; and the founding director of Hong Kong Institute of Integrative Medicine with the mission of fostering cooperation between Western and Chinese medicine in the health system.

Having a pleasant personality, it is not surprising that Professor Dr Justin Wu is an eminent teacher with eight teaching awards of medical education included the Vice-Chancellor Exemplary Teaching Award, Master Teacher, and Teacher of the Year Awards in CUHK Medicine. He has also actively contributed to the development of medical innovations in Hong Kong. He is serving as director and advisor of numerous biomedical technology companies and investment funds.

Last but not least, he is a caring father who will spend any available time out of his busy schedule with his daughter, Jasmine. There is no doubt that his success is not possible without his supportive spouse, Lily Heung. His outstanding academic achievement, exemplary leadership qualities and continuous pursuit of innovations have brought significant contributions to the field of gastroenterology. We are truly honoured to have Professor Dr Justin Wu to deliver the 19th Panir Chelvam memorial lecture.

PROGRAMME SUMMARY

Date Time	19 th August 2022 (Friday)	20 th August 2022 (Saturday)	21 st August 2022 (Sunday)
0830 - 0900	SYMPOSIUM 1		SYMPOSIUM 6
0900 - 0930	The MSGH Consensus	SYMPOSIUM 3 Inflammatory Bowel Disease	New Science Series 2: Joint WGO-MSGH Symposium - Green
0930 - 1000	Statements on MAFLD	,	GI Practices and Planetary Health
1000 - 1030	LECTURE 1 22 nd MSGH Oration	LECTURE 2 19 th Panir Chelvam Memorial Lecture	LECTURE 3
1030 - 1100		Break	
1100 - 1130		SYMPOSIUM 4	Tea Satellite Symposium 3
1130 - 1200	Young Investigator Award 1 Best Oral Paper Presentations	Chronic Hepatitis B: New	SYMPOSIUM 7
1200 - 1230	best of all uper l'resentations	Treatment Paradigm	Grand Round Series 2: Overlap
1230 - 1300	Lunch Contallity Community of	Lunch Satallita Symposium 2	Functional GI Disorders
1300 - 1330	Lunch Satellite Symposium 1	Lunch Satellite Symposium 2	CLOSING CEREMONY
1330 - 1400		Young Investigator Award 2 & Best E-Poster Award Presentations	
1400 - 1430	Break / Friday Prayers	Graduation Ceremony	
1430 - 1500	SYMPOSIUM 2	SYMPOSIUM 5 Grand Round Series 1 (Joint	
1500 - 1530	New Science Series 1: Latest Science in Gut Microbiota	Session with PRO-EURO DILI Network): Drug Induced Liver	
1530 - 1600		Injury	
1600 - 1630	Break		
1630 - 1700	Tao Catallita Cumunasium 1	Tao Catallita Cumu acium 1 Tao Catallita Cumu acium 2	
1700 - 1800	Tea Satellite Symposium 1	Tea Satellite Symposium 2	
1900 - 1930	OPENING CEREMONY Opening of Exhibition & Launching of MSGH Website	MSGH Annual General Meeting	
1930 - 2200	APPRECIATION DINNER FOR GUT 2022 & APDW 2021 (By Invitation Only)		

DAILY PROGRAMME 19th August 2022 (Friday)

0830 - 1000 SYMPOSIUM 1 | The MSGH Consensus Statements on MAFLD

Chairpersons: Haniza Omar / Chan Wah Kheong

Introduction Chan Wah Kheong (Malaysia)

Assessment and Referral Pathway for Metabolic Dysfunction Associated Liver Disease (MAFLD) *Tan Soek Siam (Malaysia)*

Current and Emerging Therapy in MAFLD Vincent Wai-Sun Wong (Hong Kong)

Improving Metabolic Outcomes in MAFLD Chan Siew Pheng (Malaysia)

Role of Primary Care in the Management of MAFLD *Anis Safura Ramli (Malaysia)*

MAFLD - A Public Health Perspective *Feisul Mustapha (Malaysia)*

Q&A

1000 - 1030 LECTURE 1

22nd MSGH Oration

Citation: Ida Normiha Hilmi Celiac Disease: Opportunities and Challenges *Govind K Makharia (India)*

1030 - 1100 Break

1100 - 1230Young Investigator Award 1Best Oral Paper Presentations

DAILY PROGRAMME 19th August 2022 (Friday)

1230 - 1330 Lunch Satellite Symposium 1 (Abbott)

Chairperson: Alex Leow Hwong Ruey

An Extensive Approach to Manage Overlapping FGID Symptoms (Virtual) *Tim Vanuytsel (Belgium)*

Expert Dialogue Session: Addressing Cultural Gaps in Treating FD-GERD (Virtual) *Tim Vanuytsel (Belgium)*

Q&A

- 1330 1430 Break / Friday Prayers
- 1430 1600SYMPOSIUM 2 | New Science Series 1: Latest Science in Gut Microbiota
Chairpersons: Mahendra Raj / Raman Muthukaruppan
Gut Microbiota Dysbiosis in COVID-19: Epiphenomenon or a Meaningful Association?
Uday C Ghoshal (India)

Gut Microbiota in Colorectal Cancer Wei Shu-Chen (Taiwan)

H.pylori and Gastric Cancer Hidekazu Suzuki (Japan)

Fecal Microbiota Transplantation David Ong Eng Hui (Singapore)

Q&A

1600 - 1630 Break

Conference Hall 3

DAILY PROGRAMME 19th August 2022 (Friday)

1630 - 1800

Tea Satellite Symposium 1

1030 - 1000	Tea Satetitte Symposium 1	
	Chairperson: Goh Khean Lee	
	The Evolving Face of Reflux-Like Symptoms & Its Management (Reckitt)	
	Peter James Kahrilas (United States)	
	Chairperson: Goh Khean Lee	
	The Latest ACG Clinical Guideline for Diagnosis and Management of GERD (AstraZeneca)	
	Lawrence Ho Khek Yu (Singapore)	
	Chairpersons: Ida Normiha Hilmi / Lee Yeong Yeh	
	IBD Monitoring Reimagined: Innovation in IBD Care (Ferring)	
	Alex Leow Hwong Ruey (Malaysia)	
1900 - 1930	OPENING CEREMONY	Exhibition Hall
	- Opening of Exhibition	
	- Launching of MSGH Website	
	- IBD Preceptorship & IBD App	

1930 - 2200 APPRECIATION DINNER FOR GUT 2022 & APDW 2021 (By Invitation Only) Mandarin Oriental Hotel

Conference Hall 3

DAILY PROGRAMME 20th August 2022 (Saturday)

0830 - 1000 SYMPOSIUM 3 | Inflammatory Bowel Disease

Chairpersons: *Ida Normiha Hilmi / Raman Muthukaruppan* COVID19 and IBD - What have we Learned so Far? *Gilaad G Kaplan (Canada)*

Isolated Ileocecal Crohn's Disease: Is it Time to Swing the Pendulum Back to Surgery? Yes: Khong Tak Loon (Malaysia) No: Govind K Makharia (India)

Case 1: How to Position Small Molecules and Biologics in IBD? *Nazri Mustaffa (Malaysia)*

Case 2: Management of Acute Severe Colitis Nik Razima Wan Ibrahim (Malaysia)

Q&A

1000 - 1030 LECTURE 2

19th Panir Chelvam Memorial Lecture *Citation: Lee Yeong Yeh* Functional GI Disorders in Asia: The Past and the Future *Justin Che-Yuen Wu (Hong Kong)*

1030 - 1100 Break

1100 - 1230 SYMPOSIUM 4 | Chronic Hepatitis B: New Treatment Paradigm Chairpersons: Haniza Omar / Sattian Kollanthavelu Can we do More with Current HBV Treatment with Nucleoside Analogues? Vincent Wai-Sun Wong (Hong Kong)

Debatable Among Global Hepatitis B Guidelines: How do we Manage Patients? *Teerha Piratvisuth (Thailand)*

An Overview of Emerging Therapies for Functional Cure *Lim Seng Gee (Singapore)*

Asian Pacific Association for the Study of Liver (APASL) Guidelines: Hepatitis B Virus in Pregnancy *Manoj Kumar Sharma (India)*

Q&A

Conference Hall 3

DAILY PROGRAMME 20th August 2022 (Saturday)

1230 - 1330 Lunch Satellite Symposium 2 (Takeda)

Chairperson: Raja Affendi Raja Ali

Are we doing Enough in Treating GERD? Daphne Ang Shih Wen (Singapore)

Paving the Way Towards Disease Modification in Crohn's Disease *Wei Shu-Chen (Taiwan)*

Q&A

- 1330 1430 Young Investigator Award 2 & Best E-Poster Award Presentations Graduation Ceremony
- 1430 1600 SYMPOSIUM 5 | Grand Round Series 1 (Joint Session with PRO-EURO DILI Network): Drug Induced Liver Injury

Chairpersons: Tan Soek Siam / Jayaram Menon

Introduction to PRO-EURO-DILI Network *Raul J Andrade (Spain)*

Approach and Management of DILI in Real-Life Practice - The Asian Experience *Harshad Devarbhavi (India)*

Approach and Management of DILI in Real-Life Practice - The European Experience *Raul J Andrade (Spain)*

Case 1: COVID-19 Vaccine Induced Liver Injury Hoo Chai Zhen (Malaysia)

Case 2: Immunotherapy-Associated Liver Injury *Raul J Andrade (Spain)*

Q&A

1600 - 1630 Break

DAILY PROGRAMME 20th August 2022 (Saturday)

1630 - 1800 Tea Satellite Symposium 2

Chairperson: *Lee Yeong Yeh* The Impact of Antibiotics on the Gut Microbiota and Role of Probiotic (*Servier*) *Kok-Ann Gwee (Singapore)*

Chairperson: *Lee Yeong Yeh* Define and Optimize the Role of Lenvatinib in HCC Management (*Eisai*) *Teerha Piratvisuth (Thailand*)

Chairperson: *Chan Wah Kheong* Mounting Evidence with Immunotherapy in Unresectable HCC (*Roche*) *Lim Seng Gee (Singapore)*

1800 - 1900 MSGH Annual General Meeting

DAILY PROGRAMME 21st August 2022 (Sunday)

0830 - 1000 SYMPOSIUM 6 | New Science Series 2: Joint WGO-MSGH Symposium - Green GI Practices and Planetary Health

Chairpersons: Jayaram Menon / Abraham Mathew George

The Global Gastroenterology Community to Meet the Challenge of Climate Change *Geoffrey Metz (Australia)*

Discussion Forum:

Chairperson: *Abraham Mathew George* Moderators: *Jayaram Menon / Raja Affendi Raja Ali*

Green Endoscopy Andrew Veitch (United Kingdom)

GI Society Survey Desmond Leddin (Canada)

GI Carbon Footprint Geoffrey Metz (Australia)

Moving Forward Bishr Omary

Discussion / Q&A

- 1000 1030
 LECTURE 3 (Johnson & Johnson)

 Chairperson: Raja Affendi Raja Ali

 Stages of Global Evolution of Inflammatory Bowel Disease

 Gilaad G Kaplan (Canada)
- 1030 1100 Break

1100 - 1130 Tea Satellite Symposium 3 (Johnson & Johnson)

Chairperson: Abraham Mathew George

Real World Effectiveness and Safety of Ustekinumab in IBD *Ooi Choon Jin (Singapore)*

DAILY PROGRAMME 21st August 2022 (Sunday)

1130 - 1300

SYMPOSIUM 7 | Grand Round Series 2: Overlap Functional GI Disorders

Chairpersons: Soon Su Yang / Lee Yeong Yeh

How do I Approach Overlap Functional GI Disorders in Practice? *Justin Che-Yuen Wu (Hong Kong)*

Case 1: FD-GERD *Hidekazu Suzuki (Japan)*

Case 2: FD-IBS *Kok-Ann Gwee (Singapore)*

Case 3: FD-Pancreatic Dysfunction Seiji Futagami (Japan)

Case 4: FD-Constipation Uday C Ghoshal (India)

Q&A

1300 - 1330 CLOSING CEREMONY

- Award Presentation
- Lucky Draw

MODERATORS / CHAIRPERSONS

Abraham Matthew George KPJ Johor Specialist Hospital Johor

Chan Wah Kheong University Malaya Medical Centre Kuala Lumpur

Goh Khean Lee Universiti Malaya and CENGILD Medical Centre Kuala Lumpur

Haniza Omar Selayang Hospital Selangor

Ida Normiha Hilmi University Malaya Medical Centre Kuala Lumpur

Jayaram Menon Pantai Hospital Ayer Keroh Melaka

Lee Yeong Yeh Hospital Universiti Sains Malaysia Kubang Kerian, Kelantan Alex Leow Hwong Ruey Pantai Hospital Kuala Lumpur Kuala Lumpur

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ID 114

EFFICACY, SAFETY AND PERSISTENCE OF USTEKINUMAB VERSUS INFLIXIMAB IN BIONAÏVE PATIENTS WITH MODERATE TO SEVERE CROHN DISEASE PATIENTS: A REAL WORLD EXPERIENCE

Nik Arsyad Nik Muhamad Affendi^{1,2}, Khoo Xin Hui¹, Ida Normiha Hilmi¹

¹Division of Gastroenterology and Hepatology, Department of Medicine, Faculty of Medicine, University Malaya Medical Centre, Kuala Lumpur, Malaysia ²Department of Medicine, International Islamic University Malaysia, Pahang, Malaysia

BACKGROUND AND AIM: Ustekinumab was licenced for treatment of moderate to severe Crohn disease (CD) in Malaysia since March 2020 while Infliximab is a well-established treatment for moderate to severe CD. Our objective is to look at real-world data on efficacy, safety and persistence of Ustekinumab versus Infliximab in our population.

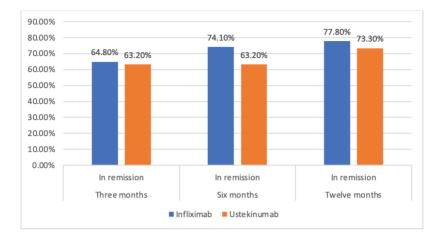
METHODS: This was a retrospective, single-centre study conducted in a tertiary centre in Malaysia where we recruited all biologic naïve CD patients who were treated with Ustekinumab or Infliximab for at least 3 month duration. Demographic, clinical data and type of biologic therapy used were recorded. Clinical remission at 3-month, 6-month and 1-year were analyst as well as adverse event and persistence of therapy.

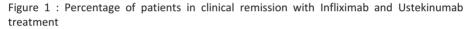
RESULTS: A total of 73 patients were recruited: 19 from Ustekinumab cohort and 54 from the Infliximab cohort. There were no significant differences in terms of demographics, disease location and behaviour at diagnosis between the two cohort. Clinical remission for Ustekinumab cohort were 63.2%, 63.2% and 73.3% at 3-month, 6-month and 1-year compared to Infliximab cohort 64.8%, 74.1% and 77.8% at 3-month, 6-month and 1-year. 3 (5.5%) patients developed infusion reaction, 1(1.8%) patient developed tuberculosis, 1 (1.8%) patient developed psoriasiform dermatitis, 1 (1.8%) patient developed shingles in Infliximab cohort while no adverse event recorded in Ustekinumab cohort. Persistence was 78.9% and 61.1% for Ustekinumab and Infliximab respectively at 2-year but this was not statistically significant.

CONCLUSION: Our early real world data shows that Ustekinumab is efficacious and safe in inducing and maintaining remission of CD and may have a better persistence as compared to Infliximab therapy.

Table 1

Types of biologics	Infliximab (n=54)	Ustekinumab (n=19)	<i>p</i> -value
Age (y), mean ± SD	29.0 (9.0)	26.0 (16.0)	.188
Gender, n(%)			.06
Male	36 (66.7)	8 (42.1)	
Female	18 (33.3)	11 (57.9)	
Ethnicity, n(%)			.779
Malay	12 (22.2)	3 (15.8)	
Chinese	18 (33.3)	6 (31.6)	
Indian	24 (44.4)	10 (52.6)	
Disease Duration (y), median (IQR)	7.0 (7.0)	2.0 (2.0)	<.001
Disease Location, n(%)			.068
lleal	15 (27.8)	9 (47.4)	
Colon	20 (37.0)	1 (5.3)	
lleocolon	17 (31.5)	8 (42.1)	
Isolated upper GI	2 (3.7)	1 (5.3)	
Disease Behaviour, n(%)			
B1: Non-penetrating Non-Stricturing	36 (66.7)	13 (68.4)	.175
B2: Stricturing	7 (13.0)	5 (26.3)	
B3: Penetrating	11 (20.4)	1 (5.3)	
Biologics Duration (m), median (IQR)	31.0 (41.0)	16.0 (14.0)	.004
Clinical remission at 3- month, n(%)	35 (64.8%)	12 (63.2%)	.897
Clinical remission at 6- month, n(%)	40 (74.1%)	12 (63.2%)	.366
Clinical remission at 1 year, n(%)	42 (78.8%)	11 (73.3%)	.718
Total adverse event, n(%)	6 (11.1%)	0 (0.0%)	.129
Tuberculosis, n(%)	1 (1.8%)	0 (0.0%)	
Infusion reaction, n(%)	3 (5.5%)	0 (0.0%)	
Psoriasiform dermatitis, n(%)	1 (1.8%)	0 (0.0%)	
Shingles, n (%)	1 (1.8%)	0 (0.0%)	
Persistence at 2-year, n(%)	33 (61.1%)	15 (78.9%)	.344





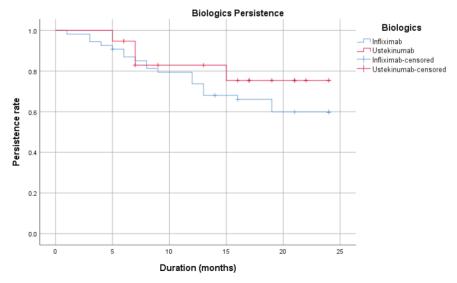
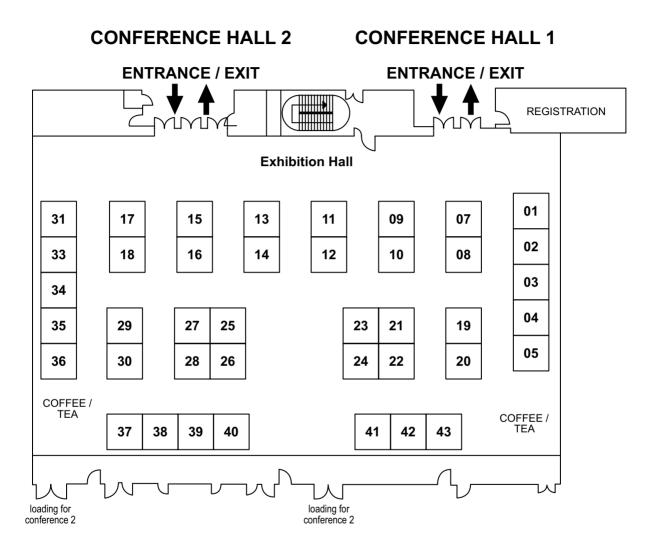


Figure 2: Persistence of Ustekinumab and Infliximab

FLOOR PLAN



TRADE EXHIBITION

BOOTH NO	COMPANY	BOOTH NO	CO
01	First Pharmaceutical Sdn Bhd	21, 22, 23 & 24	Tal
02	Olympus (M) Sdn Bhd	25, 26, 27, & 28	Abl
03	Grifols Malaysia Sdn Bhd	29	Abl
04	Hovid Berhad	30	Me
05	Medic Pro Healthcare Sdn Bhd	31	SY
07 & 08	Roche (M) Sdn Bhd	33	We
09 & 10	Ferring Sdn Bhd	34	Bre
11 & 12	Johnson & Johnson Sdn Bhd	35 & 36	My
13 & 14	Eisai (M) Sdn Bhd	37	Kot
15 & 16	AstraZeneca Sdn Bhd	38	Bos
17	Sun Pharma Company	39 & 40	Sei
18	EP Plus Group Sdn Bhd	41	RB
19	AI Medical Service Inc	42	MiF
20	United Italian Trading (M) Sdn Bhd	43	DC

BOOTH NO	COMPANY
21, 22, 23 & 24	Takeda (M) Sdn Bhd
25, 26, 27, & 28	Abbott Laboratories Sdn Bhd
29	Abbvie Sdn Bhd
30	Medi-Life (M) Sdn Bhd
31	SYS Healthcare Sdn Bhd
33	WellmedicHealthcare Sdn Bhd
34	Brego Life Sciences Sdn Bhd
35 & 36	Mylan Healthcare Sdn Bhd
37	Kotra Pharma
38	Boston Scientific (M) Sdn Bhd
39 & 40	Servier Malaysia Sdn Bhd
41	RB (Health) Malaysia Sdn Bhd
42	MiRXES Pte Ltd
43	DCH Auriga Sdn Bhd

ACKNOWLEDGEMENTS

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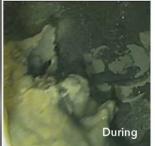






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Duodenal ulcer bleed images courtesy of Dr. Lars Karlsen, Stavanger University Hospital, Stavanger, Norway.