AMCADS
ASIA MASTER COURSE IN COSMETIC AND DERMATOLOGIC SURGERY
Berilmu Berbakti . With Knowledge We Share 2025

ADAC
Aesthetic Dermatology Academy Conference

UPM PUTRA HSAAS

PDM Persatuan Dermatologi Malaysia
Dermatological Society of Malaysia
Since 1974

MSAM
The Malaysian Society of Aesthetic Medicine

Souvenir Programme

AMCADS ~ ADAC

Cosmetic & Dermatology Surgery Beyond Boundaries:

Uniting Experts, Advancing Innovation

11TH-12TH OCTOBER 2025

PUTRAJAYA MARRIOTT HOTEL

WWW.AMCADS.COM

ASIA MASTER COURSE IN COSMETIC AND DERMATOLOGIC SURGERY



16 CPD POINTS

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Conference Information

Official Conference Venue

Putrajaya Marriott Hotel
IOI Resort City, 62502 Sepang,
Wilayah Persekutuan Putrajaya

Google Maps:
https://www.googlemaps.com/putrajayamarriotthotel

Waze:
https://www.waze.com/putrajayamarriotthotel

Hall Location (Level ML)

Day 1: 11th October 2025
Lecture Hall A: MAIN HALL
Lecture Hall B: SUB HALL
Foyer: Exhibition Booth

Day 2: 12th October 2025
Lecture Hall A: MAIN HALL
Lecture Hall B: SUB HALL
Foyer: Exhibition Booth

Delegate and Speaker Registration Counter

Day 1: 11th October 2025
7:00AM - 5:30PM
Day 2: 12th October 2025
7:30AM - 4:30PM

CPD Points

Main Conference:
16 CPD points awarded
Dermatologic Surgery Workshop:
20 CPD points awarded
Ultrasound-Guided Workshop For Botox & Filler:
8 CPD points awarded

The organiser will submit the attendance list to the respective bodies for CPD accreditation 1 week post-conference.

Certificate of Attendance, Invoice and Receipt

Invoice and Receipt are available for download on your delegate dashboard.
*Please be aware that the E-certifcate, invoice and receipt are accessible for one month following the conference.
Do remember to download the invoice and receipt before 12th November 2025.

Prayer Room

Surau is located at Level 2.

Parking

Should you be using a TNG card, kindly ensure that it has a minimum balance of RM30.00.

Parking rate:

- **In-house hotel guests:** Complimentary parking
  Kindly validate at the hotel reception.
- **Event flat rate :** MYR 12 per entry
  Kindly self-validate at the counter located near the registration counter.

To enjoy the flat rate of RM12 per entry, it is compulsory to validate your Touch ‘n Go card or debit card.

Kindly note that failure to validate your card will result in being charged the normal parking rate, and we will not be able to assist with refunds or adjustments.

Lanyard

Only those with lanyards and name tags will be allowed into the conference area.



Speakers

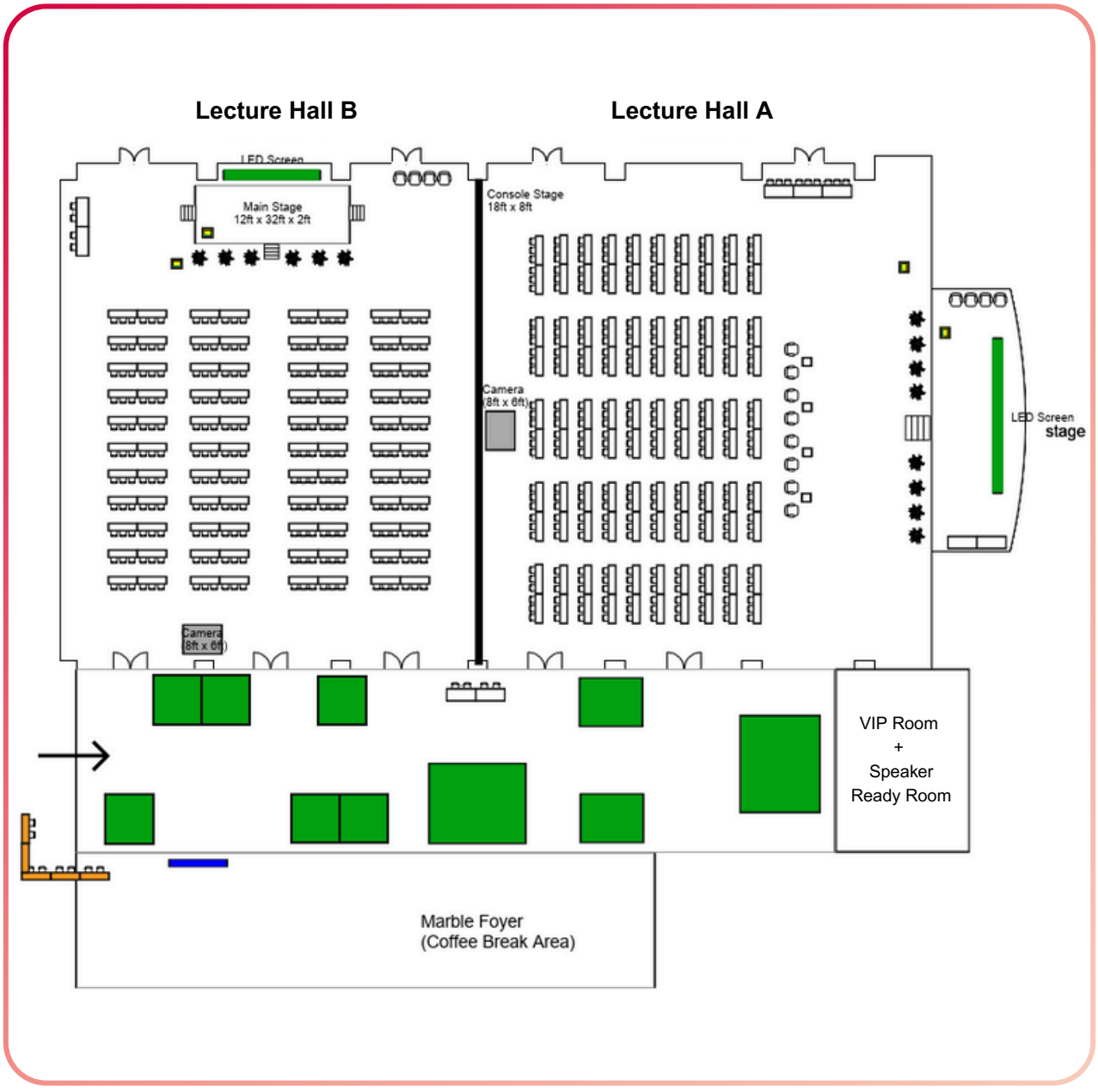


Delegates

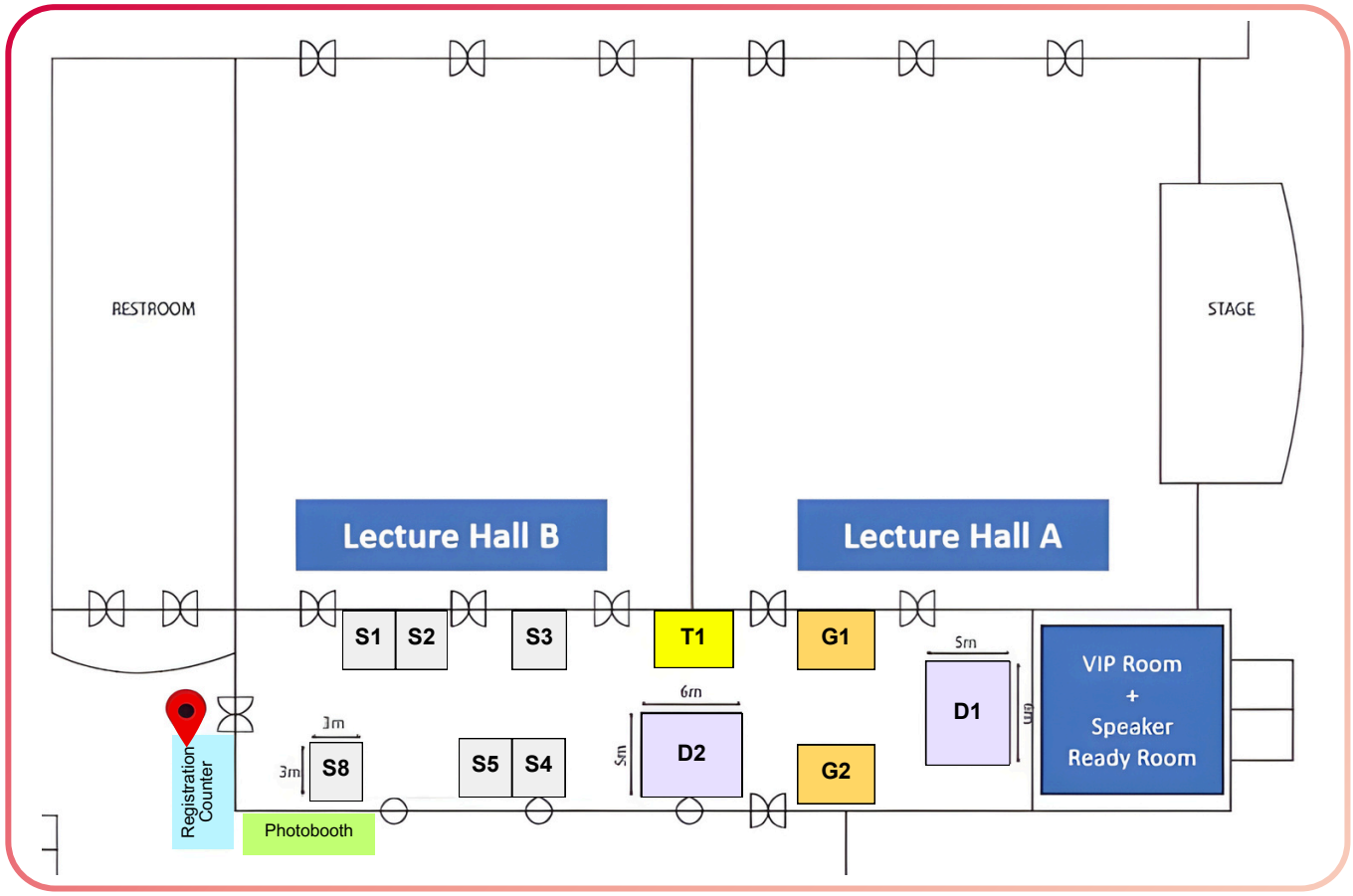


Exhibitors

Venue Layout



Exhibition Layout



D1	Vanguard
D2	Elogia
G1	Venusys
G2	Pfizer

S1	Global Aesthetics
S2	Quick Stop Solution
S3	Neoasia
S4	Hyphens

S5	Edena
S8	Actuvs
T1	Galderma

Message from Chairperson



Dear Colleagues and Friends,

It is with great pleasure that I welcome you to the Asia Master Course in Cosmetic and Dermatologic Surgery (AMCADS). This meeting is a celebration of learning, collaboration, and innovation in our field.

The program features 3D anatomy sessions and lectures, a comprehensive Dermatologic Surgery Pre-Congress on flaps, grafts, scars, wound management, liposuction, and live surgery, as well as an ultrasound-guided Botox and filler workshop, all designed to blend knowledge with practical relevance.

Beyond the sessions, AMCADS stands as a platform to unite dermatologists, plastic surgeons, oculoplastic specialists, and aesthetic physicians across different countries. By combining science with artistry, and innovation with integrity, we are shaping the future of dermatologic surgery and aesthetic medicine together.

Thank you to our faculty, partners, and delegates for your support and dedication. May AMCADS inspire you, enrich your practice, and strengthen our shared mission of improving patient care.

Warm regards,
Dr How Kang Nien
Chairperson, AMCADS 2025

Message from President



Dear Colleagues and Friends,

It is my great honor and privilege to welcome you to the Asia Master Course in Cosmetic & Dermatologic Surgery (AMCADS).

A tremendous amount of hard work and dedication has gone into making this conference a reality. We have strived to create one of its kind—a meeting that places strong focus on dermatologic surgery, lasers, and cosmetic dermatology. Our scientific program has been carefully curated to bring participants closer to the latest developments, technologies, and innovations shaping our field today.

A special highlight of AMCADS is the hands-on workshops, thoughtfully designed to provide practical experience in key areas of dermatosurgery. These include Mohs micrographic surgery, liposuction, ultrasound use in dermatology, injectables, and wound care—ensuring that participants not only gain knowledge but also valuable technical skills that can be applied directly into daily clinical practice.

This conference is more than just an academic gathering—it is a hub for collaboration and networking. We are privileged to welcome a diverse group of attendees, including dermatologists, plastic surgeons, ophthalmologists, and distinguished overseas participants. With such a broad spectrum of expertise, AMCADS aims to foster meaningful exchanges, encourage cross-specialty learning, and spark new partnerships that will strengthen our community and elevate patient care.

It is truly our pleasure to make this conference an unforgettable experience for all participants. May this gathering inspire learning, collaboration, and friendships that extend well beyond the conference halls.

Welcome to AMCADS!

Warm regards,
Dr Teeba Raja
President, AMCADS 2025

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Committee Members

Patron	: Professor Dr Hamidon Basri
Advisors	: Professor Dr Woraphong Munianskitti
	: Professor Dr Rungsima Wanitphakdeedecha
	: Dato' Dr Noor Zalmy Azizan
Chairperson	: Dr How Kang Nien
President	: Dr Teeba Raja
Vice president	: Dr Edmond Lau Kian Hong
Secretary	: Dr Lee Chi Fai
	: Pn Haslina Binti Mohamad
Head of Public Relations	: Mr Khairul Amin Bin Zainal Abidin
Treasurer	: Dr Ho Wen Chung

Scientific Directors:

Dr Edmond Lau Kian Hong
Dato Dr Noor Zalmy Azizan
Dr Wan Syazli Wan Ahmad Kammal
Dr Alice Goh Siew Ching
Dr Teeba Raja
Dr How Kang Nien
Dr Yong Shin Shen



Faculty



Dr Alice Goh Siew Ching
BE Specialist Clinic,
Malaysia



Dr Amirul Nazri Dato' Wan Nawawi
Prinz Giampapa Clinic
Malaysia



Dr Benji Teoh
Central Dermatology Specialist Clinic,
Malaysia



Dr Brendon Chong
Dr Chong Clinic
Malaysia



Dr Chandra Permana
Erha Clinic Indonesia
Indonesia



Dr Ch'ng Chin Chwen
Subang Jaya Medical Centre
Malaysia



Dr Dennis Henry
Raja Rajeswari Medical
College & Hospital
India



Dr Edmond Lau Kian Hong
EC Clinic
Malaysia



Dr Fazliana Ismail
Universiti Malaya
Malaysia



Dr Gan Teck Sheng
Tung Shin Hospital
Malaysia



Dr Goh Siew Wen
Skincentric,
Bukit Tinggi Medical Centre,
Malaysia



Dr Henry Foong Boon Bee
Foong Skin Specialist Clinic
Malaysia



Dr How Kang Nien
Universiti Putra Malaysia
Malaysia



Dr Inneke Jane Hidajat
School of Medicine &
Health Sciences,
Atma Jaya Catholic
University of Indonesia
Indonesia



Dr Jayne Li
St. Luke's Medical Center,
Philippines



Dr Jonathan Yu
JY Dermatology &
Aesthetic Center,
Philippines

Faculty



Dr Kavitha Saravanamuthu
Hospital Kuala Lumpur,
Malaysia



Prof Emeritus Dr Kee Yang Chung
Yonsei University
College of Medicine,
South Korea



Dr Leong Kin Fon
General Hospital
Kuala Lumpur,
Malaysia



Prof Dr Lin Tsai-Ming
Charming Institute of Aesthetic
& Regenerative Surgery, (CIARS),
Taiwan



Dr Loh Ken Chen
Loh & Celine Skin
Specialist Clinic,
Malaysia



Dr Ma. Patricia Gertrude Camille R. Ollero
Fatima University
Medical Center,
Philippines



Assoc Prof Dr Narumol Silpa-archa
Medicine Siriraj Hospital,
Thailand



Dr Natthachat Jurairattanaporn
Ramathibodi Hospital,
Mahidol University,
Thailand



Assoc Prof Ng Chau Yee
Chang Gung Memorial Hospital,
Taiwan



Dr Panwadee Thongjaroensirikul
Siriraj Hospital,
Thailand



Dr Pasinee Deeudomwongsa
Siriraj Hospital,
Thailand



Dr Peter Ch'ng Wee Beng
Peter Ch'ng Clinic,
Malaysia



Dr Polen Te
University of Health Sciences,
Cambodia



Dr Richard Barlow
University of Malaya and
St John's Institute of Dermatology,
London
United Kingdom



Dr Rosalyn Kupwiwat
Mahidol University
Thailand



Dr Ruban Satkuna Nathan
Nathan Skin Hair Laser
Centre (NSHLC),
Malaysia

Faculty



Prof Dr Rungsima Wanitphakdeedecha
Siriraj Hospital,
Mahidol University
Thailand



Dr Ruth Ling
The Corner Skin
Specialist Clinic,
Malaysia



Dr Shinji Noda
Ikebukuro Ekimae
Noda Dermatology
Japan



Dr Surachet Sirisuthivoranunt
Siriraj Hospital
Thailand



Dr Teeba Raja
Hospital Selayang,
Central Dermatology Specialist Clinic,
Columbia Asia Hospital Cheras,
Malaysia



Asst Prof Dr Thanya Techapichetvanich
Medicine Siriraj Hospital,
Thailand



Dr Timothy Shim
Eagle Aesthetics & Surgery,
Singapore



Dr Wan Syazli Rodzaian Wan Ahmad Kamal
Avisena Specialist Hospital,
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Dr Wan Syazween Lyana Wan Ahmad Kammal
Avisena Specialist Hospital,
Malaysia



Dr William Chen
Taipei Medical University,
Taiwan



Prof Dr Woraphong Manuskiatti
Siriraj Hospital,
Mahidol University,
Thailand



Dr Yanin Nokhdes
Siriraj Hospital,
Mahidol University
Thailand



Dr Yew Chien Voon
International Specialist
Eye Centre,
Malaysia



Dr Yohanes Ridora Zaluchu
FS Regenera,
Kalyce Aesthetic Clinic,
Tria Dipa Hospital,
Indonesia



Dr Yong Shin Shen
Universiti Malaya,
Malaysia



Dr Yuri Yogya
Universitas Padjadjaran,
Indonesia

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20 CPD POINTS

DERMATOLOGIC SURGERY WORKSHOP

INCLUDES MOH'S MICROGRAPHIC SURGERY, FEATURING FAT TRANSFER & ADVANCED WOUND HEALING

6-10 OCTOBER 2025

HOSPITAL SULTAN ABDUL AZIZ SHAH, UPM



PROF. EMERITUS DR. KEE YANG CHUNG
Dermatologist
Professor of Dermatology, Yonsei University College of Medicine



PROF. TSAI-MING LIN
Plastic Surgeon
Charming Institute of Aesthetic & Regenerative Surgery (CIARS), Kaohsiung



DR. HOW KANG NIEN
Dermatologist
Dermatology Unit, University Putra Malaysia



DR. TEEBA RAJA
Dermatologist
Department of Dermatology, Hospital Selayang

Detailed Programme - Day 1

Foundations of Dermatologic Surgery & Moh's Micrographic Surgery

6 October 2025, Monday
CSL, Auditorium

Start	End	Agenda	Faculty
0830	**0900**	**Registration**	
0900	0915	Welcome & Course Orientation	
0915	0945	Principles of Dermatologic Surgery: Basic to Advanced	Prof Emeritus Dr Kee-Yang Chung
0945	1015	How to Minimize Scarring in Facial Surgery	
1015	**1030**	**Coffee/Tea Break**	
1030	1115	Facial Anatomy Every Surgeon Must Know	Dr Teeba Raja
1115	1145	Moh's Micrographic Surgery: Essentials Before You Start	Prof Emeritus Dr Kee-Yang Chung
1145	1215	Lecture: Suturing Technique, Moh's Margin Design & Skin Surgery Methods	Dr How Kang Nien
1215	1315	Integrated Hands-On Practical	Dr How Kang Nien Prof Emeritus Dr Kee Yang Chung Dr Teeba Raja
1315	**1400**	**Lunch**	
1400	1430	Flaps and Grafts 101: Principles & Planning	Prof Emeritus Dr Kee-Yang Chung
1430	1600	Pathology Lab Tour & Demonstration	Dr Wan Syahira Ellani
1600	1645	Complications in Facial Surgery: Recognition & Management	Dr Teeba Raja
1645	1730	Q&A, Case Discussions & Photo Session	Dr How Kang Nien Prof Emeritus Dr Kee Yang Chung Dr Teeba Raja Dr Wan Syahira Ellani
1730 onwards		**End of Day 1 Pre-Conference Workshop**	

Detailed Programme - Day 2

Live Surgery & Scar Management

7 October 2025, Tuesday
Minor OT / OT -

Start	End	Agenda	Faculty
0830	**0900**	**Registration**	
0900	0930	Lecture: Malignant Skin Lesions – Principles of Excision & Margin Control	Dr How Kang Nien Prof Emeritus Dr Kee Yang Chung Dr Teeba Raja Dr Wan Syahira Ellani
0930	1100	Live Surgery 1: Basal Cell Carcinoma (BCC)	
1100	1120	Lecture: Approach to Benign Skin Lesions in Dermatologic Surgery	
1120	1315	Live Surgery 2: Benign Skin Lesions	
1315	**1400**	**Lunch**	
1400	1430	Lecture: Scar Revision Techniques & Z-Plasty & Earlobe keloid	Dr How Kang Nien Prof Emeritus Dr Kee Yang Chung Dr Teeba Raja Dr Wan Syahira Ellani
1430	1700	Live Surgery 3: Scar & Keloid Management	
1700	1730	Panel Discussion & Q&A: Pearls in Skin Surgery	
1700 onwards		**End of Day 2 Pre-Conference Workshop**	

Detailed Programme - Day 3

Wound Care & Energy-Based Devices

8 October 2025, Wednesday
CSL/ Auditorium

Start	End	Agenda	Faculty
0830	**0900**	**Registration**	
		Wound Care Foundations	
0900	0930	Lecture: Principles of Wound Healing – Basic to Advanced	Dr Teeba Raja
0930	1015	Lecture: Dressing Materials & When to Use Them	Dr Teeba Raja
1015	1045	Coffee Break / Industry-Sponsored Symposium	EP Health Care Group on HYALO4
1045	1130	Special Lecture: Punch Grafting for Large Wounds	Prof Emeritus Dr Kee Yang Chung
1130	1200	Lecture: Energy-Based Devices in Wound Surgery – Current & Emerging Approaches	Dr How Kang Nien
1200	1230	Pre-lunch Lecture: Role of Ultrasound Devices on Wound Healing: LDM-MED	Dr How Kang Nien
1230	1300	Lunch + Lunch Lecture: K blue Laser	Quick Stop Solution Sdn Bhd
1300	**1400**	**Lunch**	
		Hands-On & Industry Demo	
1400	1600	Hands-On Wound Care Workshop **Station 1**: NPWT Dressing **Station 2**: Venous Ulcer Dressing **Station 3**: Chronic Lymphedema Wound Care **Station 4**: LDM Demonstration **Station 5**: K Blue Laser Demonstration	
1600	1630	Panel Discussion	Dr How Kang Nien Prof Emeritus Dr Kee Yang Chung Dr Teeba Raja
1630 onwards		**End of Day 3 Pre-Conference Workshop**	

Detailed Programme - Day 4

Lectures & Hands-on with MAFT-GUN ®

9 October 2025, Thursday
Seminar Room - MDC

Start	End	Agenda	Faculty
0900	**0920**	**Registration & Welcome**	
0920	1000	Principles of Autologous Fat Grafting	Moderated by: Dr How Kang Nien Dr Teeba Raja Speaker: Prof Dr Lin Tsai-Ming
1000	1040	Concept of MAFT & MAFT-GUN ®	
1040	1100	Coffee Break	
1100	1140	Hands-on Session: MAFT-GUN ® Training & Certificate Presentation	
1140	1200	Safety & Complication Management	
1200	**1430**	**Lunch Break**	
1430	1510	MAFT in Dermatology: Common Indications & Applications	
1510	1540	MAFT in Dermatology: Case-Based Discussions and Emerging Interestes	
1540	1600	Tea Break	
1600	1640	MAFT in Regenerative Medicine: Concept and Clinical Relevance	
1640	1730	Panel Q&A & Closing Remarks	
1730 onwards		**End of Day 4 Pre-Conference Workshop**	

Detailed Programme - Day 5

Live Surgery & Clinical Discussion

10 October 2025, Friday
OT + OT Seminar Room

Start	End	Agenda	Faculty
0830	**0900**	**Registration**	
0900	0920	Brief Lecture: Review of Liposuction & MAFT-GUN® Techniques	Moderated by: Dr How Kang Nien Dr Teeba Raja Speaker: Prof Dr Lin Tsai-Ming
0920	1040	Live Surgery Case 1 (MAFT Procedure)	
1040	1200	Live Surgery Case 2 (MAFT Procedure)	
1200	1230	Panel Discussion & Q&A Session	
1230	1530	Buffer / Optional Extended Hand-on or Additional Case Discussion	
1530 onwards		**End of Day 5 Pre-Conference Workshop**	

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8 CPD POINTS

ULTRASOUND-GUIDED WORKSHOP FOR BOTOX & FILLER

10 OCTOBER 2025 | 8:00AM - 5:30PM | HOSPITAL SULTAN ABDUL AZIZ SHAH, UPM



DR. TEEBA RAJA
Dermatologist
Department of Dermatology, Hospital Selayang



DR. EDMOND LAU KIAN HONG
Aesthetic Physician
EC Clinic



DR. ALICE GOH SIEW CHING
Occuloplastic Surgeon
BE Specialist Clinic

Detailed Programme

Start	End	Agenda	Faculty
0900	**0930**	**Registration**	
0930	0950	Introduction to Ultrasound	Dr Teeba Raja
0950	1010	Use of Portable Ultrasound in Aesthetic Medicine	Dr Edmond Lau Kian Hong
1010	1030	Black & White Ultrasound Facial Anatomy	Dr Edmond Lau Kian Hong
1030	**1045**	**Break**	
1045	1100	Visualising the Invisible: Ultrasound in Periorbital Aesthetics	Dr Alice Goh Siew Ching
1100	1130	Case Study: Panel Discussion	Dr Edmond Lau Kian Hong Dr Teeba Raja Dr Alice Goh Siew Ching
1130	1200	Introduction to Cytosial Filler	Global Aesthetic
1200	**1300**	**Lunch**	
1300	1400	Hands-on: Ultrasound facial anatomy	All
1400	1530	Hands-on: Ultrasound guided approach to temple filler	All
1530	1600	Hands-on: Ultrasound guided approach to DAO injection	All
1600	**1615**	**Break**	
1615	1715	**Panelist Case discussion and Q&A session**	All
1715	1730	Certificate presentation & Photo Session	All
1730 onwards		Adjourn	

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LUCKY DRAW

Lucky Draw Session:

5:30pm, 11 October 2025
4:00pm, 12 October 2025



Lucky Draw results will be announced BOTH DAYS at Lecture Hall A

Drop your lucky draw card before 2:30pm, 11 October 2025 | 2:00pm, 12 October 2025

**Please be present in the hall during the announcement to be eligible for prize collection. Collection on behalf of others is strictly not allowed.*

Programme Overview
Day 1 - 11 October 2025, Saturday

Start	End	Lecture Hall A, Level ML	Lecture Hall B, Level ML
07:00	**08:00**	**Registration**	
08:00	09:00	3D Anatomy in Relation to Filler Injection Techniques	Ongoing Session at Lecture Hall A
09:00	09:30	**Opening Ceremony**	
09:30	09:45	**Plenary Lecture:** **Artificial Intelligence in Aesthetics**	
09:45	10:15	Satellite Symposium by Venusys Medical	
10:15	**10:45**	**Tea Break**	
10:45	11:45	Themed Scientific Symposium 1 Injectables: Biostimulators and Beyond	Dermatologic Surgery Symposium 1 Dermatosurgery Basics
11:45	12:45	Themed Scientific Symposium 2 Vitiligo - From Basic to Advance	Industrial Sponsor Lecture 1-3
12:45	13:45	Lunch Symposium by Vanguard Dermatology	Ongoing Session at Lecture Hall A
13:45	**14:30**	**Break & Booth Visit**	
14:30	15:30	Themed Scientific Symposium 3 Updates on Laser Technology	Dermatologic Surgery Symposium 2 Flaps & Grafts
15:30	16:30	Themed Scientific Symposium 4 Hyperpigmentation	Industrial Sponsor Lecture 4-6
16:00	17:30	Themed Scientific Symposium 5 BOTOX	Themed Dermatologic Surgery Grand Ward Round
17:30	18:00	**Lucky Draw**	Ongoing Session at Lecture Hall A
18:00 onwards		**End of Day 1**	

Programme Overview
Day 2 - 12 October 2025, Sunday

Start	End	Lecture Hall A, Level ML	Lecture Hall B, Level ML
07:30	**08:30**	**Registration**	
08:30	09:30	Scientific Symposium Session Aesthetic Think Tank 1	Scientific Symposium Session Aesthetic Think Tank 2
09:30	10:30	Themed Scientific Symposium 6 Beyond Lasers	Industrial Sponsor Lecture 7-9
10:30	**11:00**	**Tea Break**	
11:00	12:00	Themed Scientific Symposium 7 Ultrasound in Dermatology	Dermatologic Surgery Symposium 3 Scar Treatment
12:00	13:00	Lunch Symposium Platinum by Asia ELOGIO	Ongoing Session at Lecture Hall A
13:00	**13:30**	**Break & Booth Visit**	
13:30	14:00	Satellite Symposium by Pfizer Pfizer	Ongoing Session at Lecture Hall A
14:00	15:00	Themed Scientific Symposium 8 Eye Matters	Industrial Sponsored Lecture 10-12
15:00	16:00	Themed Scientific Symposium 9 The Human Crown	Ongoing Session at Lecture Hall A
16:00	16:30	**Closing Ceremony + Lucky Draw**	
16:30 onwards		**End of Conference**	

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SEE MY SKIN *Lift* MY WAY

Ultherapy PRIME

Ultherapy PRIME® features an advanced platform that is now 20% faster over legacy Ultherapy. Combined with elevated ergonomics and seamless workflows, Ultherapy PRIME allows you to treat more patients in less time while maintaining the long-lasting lifting results you know and trust.



ME, MY SKIN *on the* RESET

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RADIESSE®+

Radiesse® is composed of calcium hydroxylapatite (CaHA) microspheres suspended in an aqueous gel carrier.

Radiesse® offers a unique triple effects

+ Vertical Lifting
+ Defining Contours
+ Stimulating Natural Collage Production



COME CLOSER

STEP TOWARDS EFFORTLESS BEAUTY

BELOTERO®

BELOTERO®'s range of CPM fillers are tailor-made to adapt to different facial areas and injection depths.

BELOTERO lets you improve your appearance so you look naturally beautiful effortlessly.



START PURE† START RIGHT

THE PURE† TOXIN MICRO EDITION

XEOMIN®

The Pure Botulinum Toxin :

- Lower risk of netralising antibody formation
- Lower risk of developing botulinum toxin resistance
- Safe, effective and natural-looking results after every treatment

VANGUARD AESTHETICS

CUTERA

Jeisys

CYNOSURE LUTRONIC

SUNMAX



AviClear®

Where Acne Meets *Innovation*

AviClear® is the first and original FDA-cleared laser for the long-term treatment of mild, moderate, and severe inflammatory acne.

It uses a 1726nm wavelength to selectively deliver energy, damaging the sebocytes and suppress sebum production without compromising the epidermis.



DENSITY NOIR

DENSITY delivers MONOPOLAR and BIPOLAR high frequencies deeply and powerfully to the skin layer.

DENSITY is the latest high-frequency equipment equipped with safe, powerful, and delicate cooling technology that delivers high-frequency energy evenly.



DERMA V™

Lutronic DermaV™ Laser is a novel 532nm wavelength laser treatment with cryogen cooling that is used to reduce the appearance of hyperpigmentation, redness, and sun damage on the face, neck, and chest. The DermaV™ laser gradually reduces redness and photodamage, causing the blood vessels to absorb the light and coagulate the blood.



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Directly Replenish Pure Collagen for Youthful Skin

Sunmax Deusaderm LIDO is an injectable collagen gel derived from SPF porcine skin, purified using Sunmax Biotech's patented platform, closely resembling human collagen, effectively restoring dermal volume and promoting a natural, youthful appearance.

VANGUARD AESTHETICS

Detailed Programme

Day 1 - 11 October 2025, Saturday
Lecture Hall A, Level ML

Start	End	Lecture Hall A, Level ML	Faculty
0700	**0800**	**Registration**	
0800	**0900**	**3D Anatomy in Relation to Filler Injection Techniques**	**Asst Prof Dr Thanya Techapichetvanich**
0900	**0930**	**Opening Ceremony**	
0930	**0945**	**Plenary Lecture: Mixed Reality Technology in Aesthetic Dermatology**	**Prof Dr Rungsima Wanitphakdeedecha**
0945	**1015**	**Satellite Symposium by Venusys Medical**	
0945	1000	Heterologous Type I Collagen - Versatility in Aesthetic, Surgery and Scar Therapy	Dr Timothy Shim
1000	1015	Challenging Scars Management with Linerase Collagen + Virtue RF Microneedling	Dr Ruth Ling
1045	**1045**	**Tea Break**	
1145	**1145**	**Themed Scientific Symposium 1 - Injectables: Biostimulators and Beyond**	
1045	1057	Bioremodelling vs Biostimulator vs Bioregeneration: Definition & Practicalibity	Asst Prof Dr Thanya Techapichetvanich
1057	1109	Polynucleotides: Are They All The Same?	Dr Polen Te
1109	1121	The Collagen Comes Back: Is It Here To Stay?	Asst Prof Dr Thanya Techapichetvanich
1121	1133	Biostimulator - How To Choose?	Dr Inneke Jane Hidajat
1133	1145	Q&A Session	All Speakers
1145	**1245**	**Themed Scientific Symposium 2 - Vitiligo - From Basic to Advance**	
1145	1157	Post-laser Leukoderma: A Clinicopathologic Classification and Imaging-Based Approach to Diagnosis and Management	Asst Prof Dr Ng Chau Yee
1157	1209	MKTP and Cosmetic Camouflage: Enhancing Patient Outcomes In Vitiligo	Dr Narumol Silpa-archa
1209	1221	Advanced Surgical Techniques In Vitiligo: Tissue And Cellular Grafting Approaches	Asst Prof Dr Ng Chau Yee
1221	1233	Regenerative Roles of MAFT in Dermatology and Plastic Surgery: From Scars to Structural Reconstruction	Prof Dr Lin Tsai-Ming
1233	1245	Q&A Session	All Speakers
1245	**1345**	**Lunch Symposium by Vanguard Dermatology**	
1245	1315	A Year with AviClear Laser Experience in Thailand: Insights for Asian Skin and Acne management	Prof Dr Woraphong Manuskiatti
1315	1345	Structural Synergy: Evidence-Based Integration of Ultherapy Prime and Radiesse	Dr Jonathan Yu

Detailed Programme

Day 1 - 11 October 2025, Saturday
Lecture Hall A, Level ML

Start	End	Lecture Hall A, Level ML	Faculty
1345	**1430**	**Break & Booth Visit**	
1430	**1530**	**Themed Scientific Symposium 3 - Updates on Laser Technology**	
1430	1442	Targeted Aesthetic Interventions: Clinical Applications of the Coolwaves Adipose-Selective Energy	Dr Rosalyn Kupwiwat
1442	1454	Vascular Lesions: Beyond PDL	Prof Dr Woraphong Manuskiatti
1454	1506	Complications Related Laser in Skin of Colour	Assoc Prof Dr Henry Foong Boon Bee
1506	1518	Long-term Efficacy and Safety of the Endolaser Procedure Using A 1470-nm Diode Fiber Laser for Improving Skin Laxity and Tightening in the Lower Face in Asians	Dr Yuri Yogya
1518	1530	Q&A Session	All Speakers
1530	**1630**	**Themed Scientific Symposium 4 - Hyperpigmentation**	
1530	1542	Understanding Hyperpigmentation: Patterns, Pathways And Pitfalls	Dr Goh Siew Wen
1542	1554	Pigmented Birthmarks: Diagnosing and if Laser is The Only Solution?	Dr Leong Kin Fon
1554	1606	Treating Pigmentation In Darker Skin: Safe Laser Strategies And Best Practices	Dr Dennis Henry
1606	1618	Melasma: My Approach And Algorithm	Dr Wan Syazween Lyana Wan Ahmad Kammal
1618	1630	Q&A Session	All Speakers
1630	**1730**	**Themed Scientific Symposium 5 - BOTOX**	
1630	1642	New Player In Town: How Do We Choose?	Dr Surachet Sirisuthivoranunt
1642	1654	Upper Face Applications: Forehead And Glabellar Lines - A New Update	Dr Pasinee Deeudomwongsa
1654	1706	Lower Face Treatment: Masseter And DAO Muscle - Ultrasound Guided	Dr Edmond Lau Kian Hong
1706	1718	The Art Of Balance: Managing Iatrogenic And Congenital Facial Asymmetry	Prof Dr Rungsima Wanitphakdeedecha
1718	1730	Q&A session	All Speakers
1730	**1800**	**Lucky Draw**	
1800 onwards		**End of Day 1**	

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Detailed Programme

Day 1 - 11 October 2025, Saturday
Lecture Hall B, Level ML

Start	End	Lecture Hall B, Level ML	Faculty
0700	**0800**	**Registration**	
0800	**1015**	**Ongoing Session at Lecture Hall A**	
1015	**1045**	**Tea Break**	
1045	**1145**	**Dermatologic Surgery Symposium 1 - Dermatosurgery Basics**	
1045	1057	Types Of Local Anesthesia, Surgical Instruments And Suture Types, Different Type Of Suture Technique/Indications	Dr How Kang Nien
1057	1109	Basic Surgical Techniques To Minimize Wound Breakdown And Scarring – RTSL, Undermining, Layered Closure	Dr Teeba Raja
1109	1121	Moh's Surgery Comprehension Review– Techniques Of Mapping, Excision Margin, Slide Reading For Clear Margin	Dr How Kang Nien
1121	1133	Basic Of Nail Surgery – Anatomy/Landmarks/Indication & Anesthesia Techniques	Dr Teeba Raja
1133	1145	Q&A Session	All Speakers
1145	**1245**	**Industrial Sponsor Lecture 1-3**	
1145	1200	Industrial Sponsored Lecturer 1- Venusys Medical Advanced Laser Solutions with StarWalker MaQX: Precision, Power, Performance	Dr Benji Teoh
1200	1215	Industrial Sponsored Lecturer 2 - Elogio Beyond Pigment: Advancing Melasma Care With Microneedling Radiofrequency And Exosomal Therapy	Dr Brendon Chong
1215	1230	Industrial Sponsored Lecturer 3 - Vanguard Derma-V Laser in Practice: 1 Year Clinical Experience	Dr Edmond Lau Kian Hong
1230	1245	Q&A Session	All Speakers
1245	**1345**	**Ongoing Session at Lecture Hall A**	
1345	**1430**	**Break & Booth Visit**	
1430	**1530**	**Dermatologic Surgery Symposium 2 - Flaps & Grafts**	
1430	1442	Forehead/Glabellar Defect Closure	Dr Richard Barlow
1442	1454	Periorbital /Perioral Defect Closures – Do's And Don'ts	Prof Emeritus Dr Kee Yang Chung
1454	1506	Cheek/Chin Defects	Dr Richard Barlow
1506	1518	Nasal Defects	Dr Teeba Raja
1518	1530	Q&A session	All Speakers

Detailed Programme

Day 1 - 11 October 2025, Saturday
Lecture Hall B, Level ML

Start	End	Lecture Hall B, Level ML	Faculty
1530	**1630**	**Industrial Sponsor Lecture 4-6**	
1530	1545	Industrial Sponsored Lecturer 4 - Elogio Ultrasound Imaging Practical Use In Dermatology Practice	Dr Loh Ken Chen
1545	1600	Industrial Sponsored Lecturer 5 - Vanguard HA+ Glycerol for Indication other than Facial Rejuvenation	Dr How Kang Nien
1600	1615	Industrial Sponsored Lecturer 6 - Pfizer Unlocking Hair Regrowth: Clinical Insights into JAK inhibitors for Alopecia Areata	Dr Yong Shin Shen
1615	1630	Q&A Session	All Speakers
1430	**1530**	**Themed Dermatologic Surgery - Grand Ward Round**	**Tutor:** **Prof Emeritus Dr Kee Yang Chung** **Dr Richard Barlow**
1430	1442	Grand Ward Round 1 - BCC Over the Dorsal Nose	Dr Tan Yi Jun *Kementerian Kesihatan Malaysia*
1442	1454	Grand Ward Round 2 - BCC Over the Alar of Nose	Dr Mabel Heah Meibo *Hospital Sultanah Bahiyah* Dr Ooi Bai Han *Hospital Taiping*
1454	1506	Grand Ward Round 3 - BCC Over the Lateral Infraorbital	Dr Heah Swee Kuan *Hospital Al-Sultan Abdullah, UiTM Puncak Alam*
1506	1518	Grand Ward Round 4 - SCC Over the Temple	Dr Rebecca Choong Kai Jan *Universiti Malaya*
1518	1530	Q&A Session	All Speakers
1530	1800	**Ongoing Session at Lecture Hall A**	
1800 onwards		**End of Day 1**	

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Detailed Programme

Day 2 - 12 October 2025, Sunday
Lecture Hall A, Level ML

Start	End	Lecture Hall A, Level ML	Faculty
0800	**0830**	**Registration**	
0830	**0930**	**Scientific Symposium Session - Aesthetic Think Tank 1**	
0830	0845	Efficacy And Safety Of Polynucleotide Injections Using Sharp Needle And Cannula For Periorbital And Lip Rejuvenation: A Split Face Study In Thai Patients	Dr Yohanes Ridora Zaluchu
0845	0900	Trifarotene in Acne Management – A Real-World Malaysian Experience	Dr Gan Teck Sheng
0900	0915	A Prospective, Split Face, Randomized Study Comparing The Efficacy And Safety Of Platelet Rich Plasma Injections Versus Photobiomodulation Therapy Using 467 Nm Light For Facial Rejuvenation In Thailand	Dr Ma. Patricia Gertrude Camille R. Ollero
0915	0930	Q&A Session	All Speakers
0930	**1030**	**Themed Scientific Symposium 6 - Beyond Lasers**	
0930	0942	Radiofrequency Demystified: Understanding the Physics Behind RF	Dr Teeba Raja
0942	0954	Latest Update About Microneedle RF	Dr Loh Ken Chen
0954	1006	Beyond Heat: MNRF for Targeted Drug Delivery	Dr Yanin Nokdhes
1006	1018	Burns, Bumps & Blunders: RF Complications	Dr Goh Siew Wen
1018	1030	Q&A Session	All Speakers
1030	**1100**	**Tea Break & Booth Visit**	
1100	**1200**	**Themed Scientific Symposium 7 - Ultrasound in Dermatology**	
1100	1112	Seeing Beyond the Surface: Ultrasound Principles and Real-World Clinical Case Applications in Aesthetic Practice	Dr Panwadee Thongjaroensirikul
1112	1124	Ultrasound-guided management For Filler-related Complications: Clinical Experience from Ramathibodi	Dr Natthachat Jurairattanaporn
1124	1136	High Intensity Focus Ultrasound, Are They All The Same?	Dr Peter Ch'ng
1136	1148	Why Real Time Visualization is Important in Ultrasound Based Skin Tightening?	Dr Inneke Jane
1148	1200	Q&A Session	All Speakers

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Detailed Programme

Day 2 - 12 October 2025, Sunday
Lecture Hall A, Level ML

Start	End	Lecture Hall A, Level ML	Faculty
1200	**1300**	**Lunch Symposium by Elogio** **SkinHealth by Elogio**	
1200	1215	DOT PN For Facial Rejuvenation: From Clinical Studies To Practice	Prof Dr Rungsima Wanitphakdeedecha
1215	1230	Juvelook And Rosacea: Real-World Clinical Experience	Dr Edmond Lau Kian Hong
1230	1245	Needle-Free Injectors Are Expanding The Horizons Of Drug Delivery Systems, Offering Treatments For Conditions Ranging From Scarring To Signs Of Aging	Dr Shinji Noda
1245	1300	Multimode Mastery in a Single Session: Early Clinical Impact of the Helios 785 Pico Laser Across Diverse Skin Concerns	Dr Chandra Permana
1300	**1330**	**Break & Booth Visit**	
1330	**1400**	**Satellite Symposium by Pfizer**	
1330	1400	Unlocking Hair Regrowth: Clinical Insights into JAK inhibitors for Alopecia Areata	Dr Yong Shin Shen
1400	**1500**	**Themed Scientific Symposium 8 - Eye Matters**	
1400	1410	Eyelid Anatomy	Dr Kavitha Saravanamuthu
1410	1420	Periorbital Aesthetic Assessment	Dr Alice Goh Siew Ching
1420	1430	Eyelid Lumps And Bumps	Dr Fazliana Binti Ismail
1430	1440	Upper Blepharoplasty	Dr Yew Chien Voon
1440	1450	Eyebag - When To Inject And When To Refer	Dr Alice Goh Siew Ching
1450	1500	Q&A Session	All Speakers
1500	**1600**	**Themed Scientific Symposium 9 - The Human Crown**	
1500	1512	Hair Transplant: Assessment & Design For Hair Transplant	Dr Yong Shin Shen
1512	1524	FUE vs FUT: Basic Principle And How Do We Choose	Dr Ruban Nathan
1524	1536	Energy Based Devices for Androgenic Alopecia - Combination Therapy	Dr Ch'ng Ching Chwen
1536	1548	Proteoglycans and the Science of Hair Growth: Where Do Nutraceuticals Fit in Hair Loss Management?	Dr Yong Shin Shen
1548	1600	Q&A Session	All Speakers
1600	**1630**	**Closing Ceremony + Lucky Draw**	
1630 onwards		**End of Conference**	

Detailed Programme

Day 2 - 12 October 2025, Sunday
Lecture Hall B, Level ML

Start	End	Lecture Hall B, Level ML	Faculty
0800	**0830**	**Registration**	
0830	**0930**	**Scientific Symposium Session - Aesthetic Think Tank 2**	
0830	0845	Efficacy Of Alginate-Containing Hydrogels In Reducing Discomfort And Down Time Post Fractionated Carbon Dioxide Laser Therapy: A Randomized Controlled Trial	Dr Meroshini Sundaran
0845	0900	The Study To Evaluate The Antioxidative Effects And Photoprotection Of The Combination Of Hyaluronic Acid, Polynucleotide And Mannitol For Intradermal Injection	Dr Pasinee Deeudomwongsa
0900	0930	Q&A Session	All Speakers
0930	**1030**	**Industrial Sponsored Lecturer 7-9**	
0930	0945	Industrial Sponsored Lecturer 7 - Vanguard From Legacy to Leadership: Collagen Fillers Then & Now	Dr William Chen
0945	1000	Industrial Sponsored Lecturer 8 - Galderma From Breakouts to Brilliance with Aklief & Restylane	Dr How Kang Nien
1000	1015	Industrial Sponsored Lecturer 9 - Vanguard Radiofrequency Renaissance: Dual-Mode Science for Safer and Smarter Rejuvenation	Dr Jayne Li
1015	1030	Q&A Session	All Speakers
1030	**1100**	**Tea Break & Booth Visit**	
1100	**1200**	**Dermatologic Surgery Symposium 3 - Scar Treatment**	
1100	1112	Integration of Hair Transplantion in Complex Scar Reconstruction	Dr Wan Syazli Rodzaian Wan Ahmad Kammal
1112	1124	Scar Prevention: Energy Based Devices, When We Do We Start And What Do We Do?	Dr Surachet Sirisuthivoranunt
1124	1136	Hypertrophic/ Keloid Scar Treatment: Energy Based Devices & Drug Deliver	Dr Yanin Nokhdes
1136	1148	Advances in Keloid Treatment: What's New and What Works	Dr Gan Teck Sheng
1148	1200	Q&A session	All Speakers
1200	**1300**	**Ongoing Session at Lecture Hall A**	
1300	**1330**	**Tea Break & Booth Visit**	
1330	**1400**	**Ongoing Session at Lecture Hall A**	

Detailed Programme

Day 2 - 12 October 2025, Sunday
Lecture Hall B, Level ML

Start	End	Lecture Hall B, Level ML	Faculty
1400	**1500**	**Industrial Sponsored Lecturer 10-12**	
1400	1415	Industrial Sponsored Lecturer 10 - Loreal Skin Barrier Repair - Bridging Science and Clinical Practice with Cicaplast	Dr Peter Ch'ng
1415	1430	Industrial Sponsored Lecturer 11 - Neo Asia Luminescence- Oral Sunprotection	Dr Teeba Raja
1430	1445	Industrial Sponsored Lecturer 12 - Quick Stop Solution K-Laser Blue (Dermatology & Aesthetic Practice)	Mr Shah Zarak Khan
1445	1500	Q&A Session	All Speakers
1500	**1630**	**Ongoing Session at Lecture Hall A**	
1630 onwards		**End of Conference**	

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ABSTRACT BOOK

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Research Paper
RP-O-001

THE STUDY TO EVALUATE THE ANTIOXIDATIVE EFFECTS AND PHOTOPROTECTION OF THE COMBINATION OF HYALURONIC ACID, POLYNUCLEOTIDE AND MANNITOL FOR INTRADERMAL INJECTION

Pasinee Deeudomwongsa[1], Panwadee Thongjaroensirikul[1], Thanya Techapichetvanich[1], Chayada Chaiyabutr[1], Penvadee Pattanaprichakul[1], Visnu Lohsiriwat[2], Somponnat Sampattavanich[3], Romgase Sakamula[3], Rungsima Wanitphakdeedecha[1]

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INTRODUCTION

Ultraviolet (UV) radiation is a major contributor to extrinsic skin aging, primarily through the generation of reactive oxygen species (ROS) that induce DNA damage, collagen degradation, and impaired skin integrity. While conventional topical sunscreens protect by blocking UV penetration, they have limited efficacy against oxidative stress within deeper skin layers. This study aimed to evaluate the antioxidative and photoprotective effects of intradermal delivery of a novel combination of hyaluronic acid (HA), polynucleotide (PN), and mannitol in UV-exposed human skin.

METHODOLOGY

This pilot study enrolled two adult abdominoplasty patients (aged 30–60) at Siriraj Hospital. Each abdomen was divided into 42 tattoo-marked grid zones assigned to three arms: (i) treatment with HA+PN+mannitol, (ii) normal saline (NSS) control, and (iii) untreated control. Injections (0.05 mL/grid) were administered once, twice, or three times at monthly intervals. Grids were subsequently exposed to UVA (100 J/cm²), UVB (100 mJ/cm²), or no irradiation at defined intervals (3 hours, 24 hours, or 7 days before biopsy). At surgery, 42 full-thickness punch biopsies were collected per subject. Samples were analyzed using histology (H&E, Fontana Masson) and immunofluorescence for DNA damage (8-OHdG, p53), extracellular matrix degradation (MMP-1), and antioxidative response (Nrf2, HO-1). Quantitative data were compared across groups using ANOVA or Kruskal–Wallis tests.

RESULTS

Intradermal HA+PN+mannitol reduced UV-induced oxidative stress and DNA damage, with lower 8-OHdG, and p53 expression compared to NSS and untreated controls. MMP-1 expression was suppressed, and histological analysis showed fewer UV-induced perivascular inflammation. Enhanced activation of antioxidant pathways was evident, with upregulation of Nrf2 and HO-1.

CONCLUSION

The combination of HA, PN, and mannitol demonstrated synergistic antioxidative and photoprotective effects in human skin, beyond hydration and structural support. These findings support the potential of this injectable approach as a next-generation skin booster for photoprotection and prevention of photoaging.

Research Paper
RP-O-002

EFFICACY AND SAFETY OF POLYNUCLEOTIDE INJECTIONS USING SHARP NEEDLE AND CANNULA FOR PERIORBITAL AND LIP REJUVENATION: A SPLIT-FACE STUDY IN THAI PATIENTS

YR Zaluchu[1], MP Ollero[1], R Wanitphakdeedecha[1]

[1]Department of Dermatology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

INTRODUCTION

Aging around the eyes and lips is challenging to treat due to thin skin and safety concerns with fillers. Polynucleotides High Purification Technology (PN HPT) enhance dermal hydration and support fibroblast activity, leading to extracellular matrix remodeling. This study evaluated the clinical efficacy of PN HPT for rejuvenating these delicate areas.

METHODOLOGY

A split-face, prospective study was conducted in 30 Thai participants (mean age 39.4 ± 9.1 years) with moderate photoaging. Each subject received three monthly treatments of PN HPT 7.5 mg/mL (Plinest Fast®, Mastelli, Sanremo, Italy): the periorbital area was randomized to injection with either a sharp needle (30G) or a cannula (25G × 50 mm), while the lips were treated using a cannula. Standardized photography, cutometer, and volume analysis (Quantificare®) were performed at baseline and follow-up. Pain scores and adverse events were recorded.

RESULTS

At 1-month post-third session, periorbital skin became more pliable, with R0 rising from 0.28 mm to 0.52 mm (sharp, $p < 0.001$) and 0.59 mm (cannula, $p < 0.001$), with no significant difference between methods. Overall elasticity also improved, with R2 increasing from 58.1% to 68.9% (sharp, $p < 0.05$) and 60.6% to 70.1% (cannula, $p < 0.05$). The sharp method showed earlier R2 significance (1 month after the 1st session) compared with the cannula (1 month after the 2nd). Lip volume increased by a mean of +0.12 mL ($p = 0.007$), indicating measurable improvement. Treatments were well tolerated, with mean pain scores of 3.8 (periorbital) and 6.0 (lips). Adverse events were mild and transient, limited to short-lived swelling and bruising.

CONCLUSION

PN HPT significantly improved skin elasticity in the infraorbital area and restored volume in the lips with an excellent safety profile. Both sharp needle and cannula techniques were effective, confirming PN as a safe biostimulatory approach for delicate facial regions.

Research Paper
RP-O-003

A PROSPECTIVE, SPLIT-FACE, RANDOMIZED STUDY COMPARING THE EFFICACY AND SAFETY OF PLATELET-RICH PLASMA INJECTIONS VERSUS PHOTOBIOMODULATION THERAPY USING 467 NM LIGHT FOR FACIAL REJUVENATION IN THAILAND

MPGCR Ollero, MD, DPDS[1], R Wanitphakdeedecha, M.D., M.A., M.Sc., Ph.D. [1]

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INTRODUCTION

With the increasing demand for facial rejuvenation and patients opting for natural results, numerous procedures have emerged to address photoaged skin. Platelet-rich plasma (PRP) is a widely used technique known to stimulate collagen and elastin in skin. Photobiomodulation therapy uses specific light wavelength to enhance collagen production through a biological process. Evolving technologies such as photobiomodulation therapy offers a promising alternative for facial rejuvenation. This study compares the efficacy and safety of PRP injections versus photomodulation therapy for facial rejuvenation in a Thai population.

METHODOLOGY

A randomized, split-face, double-blind trial was conducted on 29 Thai participants aged 30–60 years with moderate-to-severe photoaged skin (Fitzpatrick skin type III–IV). Participants received intradermal injections of the conventional PRP on one side and photobiomodulation therapy on the opposite side of the face. Treatments were performed monthly for three sessions and subjects were evaluated at baseline, 1, 3, and 6 months after the injection. Outcomes were assessed by blinded physicians using quartile scale, bioengineering measurements (Cutometer®, Corneometer®, Mexameter®, Sebumeter®, Antera 3D®), and standardized photography.

RESULTS

Twenty-seven participants completed the study duration. PRP and photobiomodulation therapy both demonstrated significant improvements in terms of skin firmness 3-months after the third treatment ($p<0.001$), however no significance was noted at 6-months after the third treatment ($p>0.99$). Photobiomodulation therapy showed increased reduction of periorbital fine lines depth ($p=0.027$) and indentation ($p=0.036$) 6-months after third treatment. Pigmentation level increased over time in both PRP and photobiomodulation therapy ($p< 0.001$). Adverse effects were limited to transient bruising and mild erythema and pain scores were comparable between groups.

CONCLUSION

PRP and photobiomodulation therapy are both safe and effective methods for facial rejuvenation however, Photobiomodulation therapy provided incremental benefits in reducing periorbital wrinkles as compared to PRP. This signifies potential use of photobiomodulation as another therapy option in reducing periorbital wrinkles in clinical practice.

Research Paper
RP-O-004

EFFICACY OF ALGINATE-CONTAINING HYDROGELS IN REDUCING DISCOMFORT AND DOWN TIME POST FRACTIONATED CARBON DIOXIDE LASER THERAPY: A RANDOMIZED CONTROLLED TRIAL

***M Sundaran*[1]**, *Paula E. Tindoc*[2], *JJ Lim*[2], *Ho Wen Chuh*[1,3], *How Kang Nien*[1,3]

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[2]*School of Biosciences, Taylor's University, Malaysia*
3 Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, Malaysia

INTRODUCTION

Fractionated carbon dioxide (CO_2) laser is the gold standard for facial rejuvenation and scar treatment but is associated with post-treatment discomfort and downtime. Alginate, a natural polysaccharide from brown seaweed, has wound-healing, hydrating, and soothing properties. This study evaluated the efficacy and tolerability of an alginate-containing hydrogel in reducing post-laser discomfort and aiding recovery.

METHODOLOGY

A single-centre, prospective, randomized controlled trial was conducted at Hospital Sultan Abdul Aziz Shah. Forty-six patients undergoing fractionated CO_2 laser were randomized to Alginate hydrogel mask (n=22) or standard of care (SOC; n=24, saline-soaked gauze with vaseline). Both groups followed identical post-laser skincare. Outcomes assessed were pain score, transepidermal water loss (TEWL), hydration, melanin, erythema, tolerability, side effects, and patient-reported satisfaction. Analyses included repeated measures ANOVA, Chi-square, and Cox regression.

RESULTS

The mean age was 31.6 ± 6.4 years, with 78% females. Pain scores decreased significantly over time in both groups ($p < 0.001$), with no between-group difference ($p = 0.48$). TEWL significantly raised in the Alginate group ($p < 0.05$) but not SOC, with no intergroup difference ($p = 0.74$). Erythema were worse in both groups ($p < 0.05$), while hydration and melanin showed no significant changes (all $p > 0.05$). Tolerability and side effect profiles were comparable (all $p > 0.05$). Cox regression suggested a trend toward earlier recovery with Alginate (HR = 0.84), though not significant ($p = 0.68$). Patient-reported outcomes favoured Alginate, with higher soothing effect (mean 1.14 vs 0.63, $p = 0.063$) and willingness to reuse (mean 1.36 vs 0.83, $p = 0.042$). Satisfaction and recommendation rates were also higher, though not statistically significant.

CONCLUSION

Alginate hydrogel was safe and well tolerated after CO_2 laser, with significant TEWL improvement and trends toward better subjective recovery, satisfaction, and reuse willingness. Although between-group differences were not significant, findings suggest potential clinical benefit, supporting larger confirmatory studies.

Research Paper
RP-O-005

ADVANCES IN KELOID TREATMENT: WHAT'S NEW AND WHAT WORKS

Gan Teck Sheng

Tung Shin Hospital, Malaysia

Keloid scars remain a persistent therapeutic challenge due to their invasive growth, recurrence, and poor response to monotherapy. Advances in molecular research have spotlighted key pathogenic pathways including JAK–STAT3, IL-6/IL-17, TGF-β/Smad, and the localized renin-angiotensin system (RAS), with NEDD4 emerging as a STAT3-regulated mediator of fibroblast activation. Targeted treatments such as JAK inhibitors (e.g. tofacitinib, ritlecitinib) and biologics like dupilumab (anti–IL-4Rα) are under investigation for their potential to modulate inflammatory and fibrotic signaling. Conventional therapies such as corticosteroids, 5-FU, hyaluronidase and excision followed by radiation remain foundational, while energy-based devices including pulsed dye laser (PDL), fractional ablative lasers, and Nd:YAG lasers offer enhanced results when combined with topical or intralesional agents. A multimodal, personalized approach integrating emerging molecular targets with procedural therapies is key to optimizing outcomes in keloid management.

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