

# IMCAS ASIA 2019



INTERNATIONAL MASTER COURSE ON AGING SCIENCE  
BALI - JULY 5<sup>TH</sup> - 7<sup>TH</sup>, 2019

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# Speaker Certificate

The IMCAS Asia 2019 Scientific committee certifies that

## Dr Ago HARLIM MARS

Dermatologist  
Indonesia

*presented the following lectures:*

*S089, S090 - IMCAS Alert - Injectables complication cases - How I correct silicon granuloma in chin  
S084 - Open stage talks: lasers & EBD - The comparison between Er:Yag and CO2 laser for male circumcision*



**SPEAKER**

**Ago**  
**HARLIM MARS**

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International Master Course on Aging Science

# IMCAS

ASIA 2019

SCIENTIFIC PROGRAM

**A 3-DAY UPDATE**  
**IN PLASTIC SURGERY, DERMATOLOGY**  
**& AESTHETIC SCIENCE**

EDITION N°13



ENDORSED BY  
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**BALI**

**INDONESIA - JULY 5 TO 7**

BALI INTERNATIONAL CONVENTION CENTRE - THE WESTIN RESORT NUSA DUA

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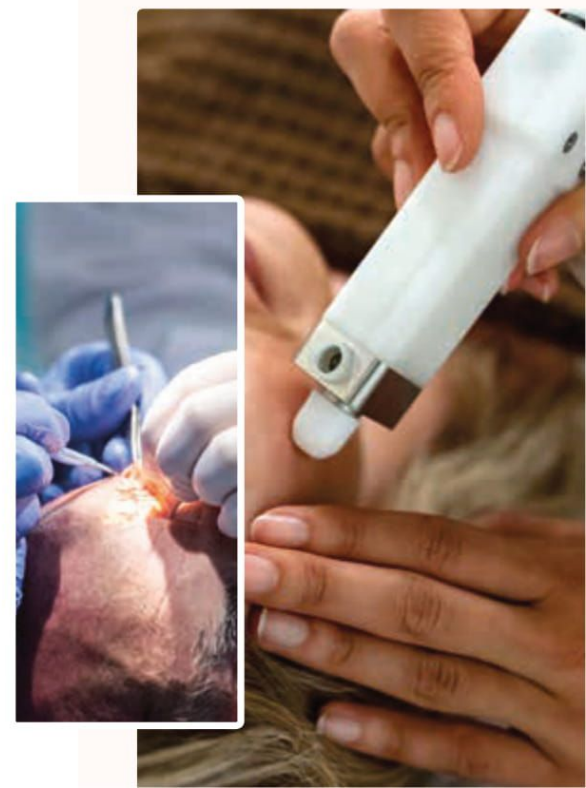
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Suatu kehormatan bagi IMCAS untuk menyambut Bapak / Ibu kembali pada acara IMCAS ASIA 2019 di Bali.

Kami berharap Bapak / Ibu dapat menikmati tiga hari yang penuh dengan pembelajaran dalam acara ini, dan pulang dengan keahlian serta pengetahuan yang lebih meningkat.

Terima kasih telah bergabung bersama kami.

# SELAMAT DATANG

*Welcome to the 13th edition of IMCAS Asia in Bali, Indonesia!*

IMCAS is proud to present yet another new and exciting edition that brings together prominent dermatologists, Plastic surgeons and aesthetic practitioners from all over the world.

At every one of our congresses, we have the honor of witnessing the greatest minds in dermatology, plastic surgery and aesthetic science gather to showcase their passion in the field. We have the privilege to observe in proximity the synergy the attendees create, and how it all culminates to another progressive step forward.

IMCAS Asia brings to stage the leading experts of Asia who in turn provide a special insight specific to this congress. The scientific sessions feature an overarching look at Asian morphologies so that attendees may adapt the prevention, intervention and post-treatment procedures based on the ethnic morphology of the patient.

The scientific program is fully charged with the newest and most innovative content built around 14 key themes which include clinical dermatology, injectables, lasers & EBD, regenerative medicine, genital treatments, hair restoration, cosmeceuticals as well as face, breast and body surgery, subjects to underpin your development in the field.

The sessions of the program are presented in different learning formats to ensure that attendees retain the maximum amount of information. The ever-popular Anatomy on Cadaver workshop is an example of an IMCAS-original format, combining live broadcasts of cadaver dissections and live patient demonstrations so that you master safe procedures and avoid danger zones.



Other dynamic teaching methods include IMCAS Alert sessions which introduce complication cases related to injectables, lasers & EBD, threads or surgery selected from real posts on the Alert section of IMCAS Academy. This format allows attendees to receive real advice on real clinical situations from experts in the field. The Video Courses also present a unique learning format that gives you the in-depth training on specific procedures through 2-hour lessons featuring consecutive videos that focus on practical techniques.

Delegates can also attend live patient demonstrations on lasers & EBDS, threads, and injectables. Each demonstration led by aesthetic companies gives you the chance to explore the products and inquire detailed information. To learn more about the innovations and developments from the participating companies from around the world, take a stroll through the exhibition hall, or attend the sponsored activities happening throughout the day.

Let the conversation continue after hours during the two social events. The Networking Cocktail on Friday and the exquisite Gala Dinner on Saturday are excellent opportunities to wind down with old friends and build new connections.

IMCAS Asia 2019 amounts to three days of education in one of the most spectacular destinations. Indulge in its stunning nature and exotic scenery, but most importantly, savor the fact that you are part of the world's leading plastic surgery, dermatology and aesthetic science conference.

We extend the warmest welcome to Bali.

————— *IMCAS Asia 2019 Course Coordinators*

*Benjamin ASCHER*

*Hugues CARTIER*

*Sebastien GARSON*

*Po Han Patrick HUANG*

*Yulianto LISTIAWAN*

*Adri Dwi PRASETYO*

# FRIDAY



CONFERENCE ROOMS

1

CR5CR06

2

CR3CR20

3A

CR1CR40

3B

CR1CR40

4

CR3CR12



GENITAL TREATMENTS

IMCAS SURGERY

7 AM	REGISTRATION OPENS				
8:30 AM	S001 In-depth approach to injectables: temple and forehead (ACCS)	S009 MERZ AESTHETICS SYMPOSIUM	S017 Lasers & EBD: what's new	S025 Contributed talks - Practice management	S033 IMCAS Surgery: Video - Face lift
9:30 AM	S002 In-depth approach to injectables: midface and nose	S010 Contributed talks - Threads and fillers	S018 Lasers & EBD: challenging applications in dark skin/ Asian patients (ESLD)	S026 New technologies	S034 IMCAS Surgery: Video - Blepharoplasty
10:30 AM	COFFEE BREAK				
11 AM	S003 In-depth approach to injectables: lower face and lip	S011 Live demonstrations - Threads	S019 Lasers & EBD pigmentation - How to avoid the complication(s)	S027 Practice management - Clinic development	S035 IMCAS Surgery: Video - Rhinoplasty
12 PM	S004 In-depth approach to injectables: jawline and neck	S012 Live demonstrations - Injectables	S020 Female genital treatments - Asian perspective and vaginal tightening	S028 Practice management - Marketing and digital	S036 IMCAS Surgery: Video - Rhinoplasty (TAFPRS)
1 PM	LUNCH BREAK				
2 PM	S005 APYX MEDICAL SYMPOSIUM	S013 BTL AESTHETICS SYMPOSIUM	S021 Female genital treatments - EBD and injectables	S029 Laser for port wine stains and vascular lesions	S037 IMCAS Surgery: Video - Breast augmentation
3 PM	S006 PROSTEMICS SYMPOSIUM	S014 BIOSTIMOLOGY SYMPOSIUM	S022 Female genital treatments - Labiaplasty (ISAGSS)	S030 Melasma	S038 IMCAS Surgery: Video - Mastopexy (TSAPS)
4 PM	COFFEE BREAK				
4:30 PM	S007, S008  Injectables: danger zones	S015 NEAUVIA SYMPOSIUM	S023 Female genital treatments - Hymenoplasty and combined treatments (PSCAG)	S031 Complication and management of post surgical scars	S039, S040  Rhinoplasty & facelift
5:30 PM		S016 LASEROPTEK SYMPOSIUM	S024 Male treatments (SAARC AAD)	S032 Complication and management of post dermatological scars (PERDOSKI)	
6:30 PM	NETWORKING COCKTAIL				



UNDER EDUCATIONAL GRANT

SPONSORED SESSION






















SUBJECT TO ADDITIONAL FEES

EXHIBITION HALL OPEN ALL DAY

HIGHLIGHTS

# SATURDAY

CONFERENCE ROOMS

	1 <small>CR5CR06</small>	2 <small>CR3CR20</small>	3A <small>CR1CR40</small>	3B <small>CR1CR40</small>	4 <small>CR3CR12</small>	OPEN STAGE EXHIBITION HALL 
	<b>CADAVER WORKSHOP</b>		<b>CLINICAL DERMATOLOGY</b>	<b>THREADS</b>	<b>IMCAS SURGERY</b>	
7 AM	REGISTRATION OPENS					
8:30 AM	S041 What's hot in injectables - Dermal fillers (KAOT)	S049  PT KALBE FARMA SYMPOSIUM	S057 Clinical dermatology - Inflammatory disease	S065, S066 Threads - Facial anatomy (video)	S073 <b>IMCAS ALERT</b> Face surgery complication cases	S081, S082 Open stage talks: surgery
9:30 AM	S042  FOLIALUX SYMPOSIUM	S050  Live demonstrations - Lasers & EBD 	S058 Clinical dermatology - Rosacea in Asian	S074 Face surgery techniques - What's hot		
10:30 AM	COFFEE BREAK					
11 AM	S043  SESDERMA SYMPOSIUM	S051, S052  Live demonstrations - Lasers & EBD 	S059 Clinical dermatology - Rosacea: anything new?	S067, S068 Threads which material & which technique?	S075 Breast surgery	S083 Open stage talks: dermatologic surgery
12 PM	S044 What's hot in injectables - Toxins (THAICOSDERM)	S060 Is micro-injection valuable?			S076 Body surgery	S084 Open stage talks: lasers & EBD
1 PM	LUNCH BREAK - POSTER SESSION					
2 PM	S045  Live Anatomy on Cadaver Workshop - Upper & mid face	S053  DAEWOONG SYMPOSIUM	S061 Hair restoration - Medical	S069, S070 Threads Combined treatments & more than a simple threading	S077 Body surgery - Abdominoplasty	S085 to S088 
3 PM	S046  Live Anatomy on Cadaver Workshop - Nose, lower face & neck	S054  LABORATOIRES VIVACY SYMPOSIUM	S062 Hair restoration - Surgical	S078 Fat & stem cells	Open stage talks: industry lectures	
4 PM	COFFEE BREAK					
4:30 PM	S047  Live Anatomy on Cadaver Workshop - Genital injection	S055  WON TECH SYMPOSIUM	S063, S064  	S071, S072 <b>IMCAS ALERT</b> Threads - How to deal with complications	S079, S080  	S085 to S088 
5:30 PM	S048  Live Anatomy on Cadaver Workshop - Threads	S056 Body shaping	Combined treatments for facial rejuvenation		Blepharoplasty: surgical & minimal invasive approach	Open stage talks: industry lectures
6:30 PM	GALA DINNER					



UNDER EDUCATIONAL GRANT



SPONSORED SESSION



SUBJECT TO ADDITIONAL FEES



EXHIBITION HALL OPEN ALL DAY

HIGHLIGHTS

# SUNDAY



CONFERENCE ROOMS

1

CR5CR06

2

CR3CR20

3A

CR1CR40

3B

CR1CR40

4

CR3CR12

OPEN STAGE

EXHIBITION HALL

COSMECEUTICALS



7 AM

REGISTRATION OPENS

8:30 AM

S089, S090 **IMCAS ALERT**

S093

Lasers & EBD - What's hot (PDS)

S097, S098

Aesthetic dermatology: updates and off-label procedures (PADSFI / ISDS)

S101, S102

Special course dedicated to Young Dermatologists

S105

Special course dedicated to face surgery - From young to expert (THPRES)

S109

Open stage talks: R & D

9:30 AM

Injectables complication cases

S094

Skin tightening - Lasers & EBD

S106

Special course dedicated to rhinoplasty - From young to expert

S110

Open stage talks: facial skin

10:30 AM

COFFEE BREAK

11 AM

S091, S092

What's hot in combined treatment with injectables and EBD

S095

Cosmeceuticals

S099

**IMCAS ALERT**  
Lasers & EBD complication cases

S103

Contributed talks - Female genital treatments

S107

Special course dedicated to breast surgery - From young to expert (TSPS)

S111

Open stage talks: alopecia

12 PM

S096

Nutraceuticals

S100

New techniques in hair restoration (APAAC)

S104

Contributed talks - Combined treatments

S108

Special course dedicated to body surgery - From young to expert

S112

Open stage talks: melasma and skin diseases

1 PM

END OF IMCAS ASIA 2019



UNDER EDUCATIONAL GRANT



SPONSORED SESSION

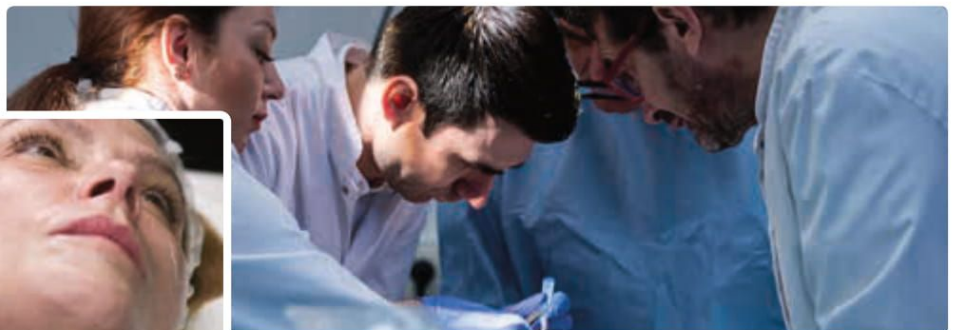


SUBJECT TO ADDITIONAL FEES



EXHIBITION HALL OPEN ALL DAY

HIGHLIGHTS



Up: Live dissections during the Cadaver Workshop at IMCAS Annual World Congress 2019.

Left: Live Demonstrations - Injectables at IMCAS Annual World Congress 2019



# FACULTY LIST\*

The faculty is comprised of internationally renowned physicians and researchers, esteemed for their expertise in the fields of dermatology, plastic surgery and aesthetic science. They have traveled to Bali from all parts of Asia and the world to share their knowledge at the 13th IMCAS Asia.

## HONORARY PRESIDENT

SOEBONO Hardyanto, Dermatologist, Indonesia

## COURSE COORDINATORS

ASCHER Benjamin,  
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## COURTYARD

**S81,  
S82** **OPEN STAGE TALKS:  
SURGERY**

FACE, BREAST, BODY &amp; GENITAL SURGERY



8:30 AM to 10:30 AM

- 9:00 AM** Single stage body contouring: is it safe?  
Muhammad Zeeshan AHMED (88030 / 15 min)
- 9:15 AM** Day stay breast reduction superomedial pedicle using diluted LA infiltration and lateral pillar suture tightening technique: 200 consecutive reductions  
Muhammad Zeeshan AHMED (87975 / 15 min)
- 9:30 AM** Update on postbariatric plastic surgery patient safety  
Marisa MANZANO (84179 / 15 min)
- 9:45 AM** Strategies in breast asymmetry surgery  
Marisa MANZANO (83267 / 15 min)
- 10:00 AM** Surgical vaginal rejuvenation: different techniques and does it make a difference?  
Navneet MAGON (85576 / 15 min)
- 10:15 AM** Correction of columellar-labial angle (CLA) in Asian female patients with autologous grafts  
Mingjie YANG (94598 / 15 min)

**S83** **OPEN STAGE TALKS:  
MINIMAL INVASIVE  
TREATMENTS**CLINICAL DERMATOLOGY &  
DERMATOLOGICAL SURGERY

11:00 AM to 12:00 PM

- 11:00 AM** Novel minimally invasive subcision technique for acne scars  
Stephen Akihiro WIRYA (87001 / 12 min)
- 11:12 AM** Technique of tissue reset by fiber folding and its clinical application  
Zongxue ZHANG (94615 / 12 min)
- 11:24 AM** The possibility of botulinum toxin treatment for jawline contouring  
Kumiko KOROMOHARA (94658 / 12 min)
- 11:36 AM** The MUST LIGHT thread lift with non-surgical atraumatic undermining in jawline and neck contouring  
Max Adam SCHERER (87419 / 12 min)
- 11:48 AM** Smoothing the lid-cheek junction: personal technique  
Peter M PRENDERGAST (94596 / 12 min)

**S84** **OPEN STAGE TALKS:  
LASERS & EBD**

LASERS &amp; EBD



12:00 PM to 1:00 PM

- 12:00 PM** A combination of non-ablative fractional Q-switched 1,064-nm with focused depth controlled technology and quasi long pulse 1064nm YAG for improvement  
Lehavit AKERMAN (84639 / 12 min)
- 12:12 PM** Dermoscopy facilitates laser treatment of pigmented lesions in patients with darker skin types  
Kwok Keung CHAN (87909 / 12 min)
- 12:24 PM** The effect of cold therapy and transepidermal nerve stimulation on weight loss and inch loss  
Ariel S TORRES (86903 / 12 min)
- 12:36 PM** The comparison between Er:Yag and CO2 laser for male circumcision  
Ago HARLIM MARS (84291 / 12 min)
- 12:48 PM** Treating acne vulgaris patients who are resistant to oral isotretinoin with intense pulsed light (IPL)  
Kwin Wah CHAN (86826 / 12 min)

**S85  
TO  
S88** **OPEN STAGE TALKS:  
INDUSTRY LECTURES\***

2:00 PM to 6:30 PM

*Session details on page 72*

# THE COMPARISON BETWEEN ER:YAG AND CO2 LASER FOR MALE CIRCUMCISION

Ago Harlim  
IMCAS, 2019

## Abstract

### Objectives

How to do Male Laser Circumcision using 2940 nm Er:YAG Laser and the benefit of Er: Yag laser for circumcision

### Introduction

Male circumcision is the surgical removal of the foreskin (prepuce) from the penis. The word 'circumcision' comes from the Latin circumcidere, meaning 'to cut around'. Infant male circumcision dates back more than 6000 years as indicated in pharaonic drawings and circumcised Egyptian mummies. Some historians even suggest that the procedure started some 15,000 years ago.

### Materials / method

The method of circumcision used was similar to the manual guillotine technique, but instead of a scalpel the Er:YAG laser (2940 nm). Using the R08 handpiece with a pulse duration of MSP (100 us), 50 Hz and 140 mJ, we could remove the preputial skin with minimal surrounding tissue damage. For the more vascularized parts we used the R08 with a pulse duration of LP (600 us), 20 Hz and 180 to 200 mJ, which cuts and coagulates at the same time.

### Results

The Er:YAG laser is an ideal device to remove epithelium of the glans penis without risk of scarring and faster healing than manual or CO laser

### Conclusion

An alternative for circumcision: We can use Er:YAG laser as a low risk, replacing more thermally destructive CO2 laser.

Keyword: *Laser, circumcision, CO2, Er:Yag*

## I. INTRODUCTION

Male circumcision is the surgical removal of the foreskin (prepuce) from the penis. The word 'circumcision' comes from the Latin *circumcidere*, meaning 'to cut around' [1]. Infant male circumcision dates back more than 6000 years as indicated in pharaonic drawings and circumcised Egyptian mummies [2]. Some historians even suggest that the procedure started some 15,000 years ago [3]. Recent findings suggest a global male circumcision prevalence of 37.7%, varying from country to country significantly. The prevalence of male circumcision in the United States is around 71%, compared to 15% in France, around 92% in Indonesia, and 26% in Australia. In the UK 20.7% of men are circumcised [4]. Therapeutic circumcision represents only 2.5% of neonatal circumcisions, which are performed for patients with inflammation in the foreskin, such as phimosis, balanitis, and localized diseases of the foreskin [5]. The benefits of male circumcision include a reduced risk of urinary tract infections in childhood, a reduced risk of ulcerative sexually transmitted diseases in adulthood, protection against penile cancer, a reduced risk of cervical cancer in female sex partners, and prevention of balanitis, posthitis, phimosis and paraphimosis [6].

There are many techniques for performing circumcision. In recent years, circumcision procedures using auxiliary devices have become popular [7, 8]. However, the use of these devices increases the recovery time [9]. Besides scalpels, electrocautery and Nd:YAG or CO<sub>2</sub> lasers are also frequently used in circumcision for skin and mucosal excisions [10, 11, 12]. In this case report we present the use of the Er:YAG (2940 nm) laser for circumcision with the aim to reduce downtime.

## II. CASE

A healthy 23-years-old male patient presented to our office in Jakarta, Indonesia and wanted to undergo circumcision to achieve better personal hygiene. He reported no significant past medical history and was not using any routine medications. The surgical area was cleaned and sterilized. We used dorsal penile nerve block anesthesia with lidocaine HCl (20 mg/ml) combined with epinephrine (0.0125 mg/ml). We used about 3 ml.

The method of circumcision used was similar to the manual guillotine technique, but instead of a scalpel the Er:YAG laser (2940 nm) was used (SP Dynamis, Fotona, Slovenia). Using the R08 handpiece with a pulse duration of MSP (100 us), 50 Hz and 140 mJ, we could remove the preputial skin with minimal surrounding tissue damage. For the more vascularized parts we used the R08 with a pulse duration of LP (600 us), 20 Hz and 180 to 200 mJ, which cuts and coagulates at the same time. Afterwards, simple lateral sutures (Vicryl 3.0) with interrupted stitches were placed where needed. Post-treatment care consisted of antibiotic ointment (Otogenta®) dressing for 5 days. After 5 days, only ointment was suggested. The patient also received oral antibiotic (cefadroxil) 500 mg BID. We also recommended that the patient clean the area with sterile saline, as tap water in Indonesia is often contaminated with bacteria. Removal of the sutures was not necessary because we used absorbable materials, although we sometimes cut the rest of the sutures for patient comfort about 10-14 days after surgery. The recovery period lasted for about 7 to 10 days, however, the patient could return to his normal daily routine 2 days after the operation.



Fig.1. Operational details of the Er:YAG circumcision procedure: a), b) and c) phases of cutting the foreskin using the R08 handpiece and guillotine method. d) detached foreskin immediately after the laser intervention.

### III.DISCUSSION

Circumcision methods can be classified into one of three types or combinations thereof: dorsal slit, shield and clamp, and excision [13, 14]. Many of the methods in use today fall into one of these major classes and each of them has its advantages and drawbacks [9,15]. Newer methods involving electrocautery, CO<sub>2</sub> and Nd:YAG laser are used to achieve hemostasis, therefore eliminating the need for suturing after circumcision [10, 11, 12]. However, the use of cautery has been shown to cause electrical burns [16]. Both Nd:YAG and CO<sub>2</sub> have been shown to cause a relatively large area of thermal damage surrounding the incision [17]. We have previously used a CO<sub>2</sub> laser for circumcisions and the healing time was longer (10 to 14 days for CO<sub>2</sub> compared to 7 to 10 days for Er:YAG). We have also observed less hematoma, inflammation and practically no necrotic tissue due to the cold ablation of the 2940 nm laser compared to 10600 nm. The only drawback of the Er:YAG laser was the need for a few sutures of the bigger blood vessels in adult patients.



Fig. 2. Result of Er:YAG laser circumcision (5 days after the procedure)

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