

## CURRICULUM VITAE



Name: Dr. Leow Aik Ming ( 廖御茗 )

Date of Full Registration with Malaysian Medical Council: 16.08.1997.

Full Registration Number with Malaysian Medical Council: 33500.

Current appointments:

- (1) Consultant Plastic & Reconstructive/ Craniofacial/ Cosmetic Surgeon, Imperial Medical Centre, Kuala Lumpur.
- (2) Consultant/Head of Plastic and Reconstructive Surgery Department, HRPZ II, Kota Bharu.
- (3) Honorary Lecturer for Postgraduate Trainees in Plastic and Reconstructive Surgery (Universiti Sains Malaysia).
- (4) Honorary Lecturer for Undergraduate Dental Students (Universiti Sains Malaysia).
- (5) Visiting Consultant Plastic Surgeon for Perdana Hospital (KPJ Group), Kota Bharu.

### **Undergraduate Education:**

1990 – 1995 M.B,B.S ( First Class ) from Kasturba Medical College, Manipal, Karnataka, India.

### **Achievements:**

- Obtained distinctions in Pathology, Pharmacology, Microbiology & Forensic Medicine.

### **Post-graduate Education:**

2001 Fellow Royal College of Surgeons of Edinburgh. ( Roll No : 28199 )

2005 Master of Surgery in Plastic Surgery ( Universiti Sains Malaysia ).

**Gazettement:**

- 07.03.03      Gazette as specialist in General Surgery
- 28.11.05      Gazette as specialist in Plastic Surgery

**Fellowships/ Memberships/Awards:**

- 2006            Academy of Medicine of Malaysia
- 2007            AO CMF Fellowship & AO Alumni Association
- 2008            International Craniofacial Fellowship, Chang Gung Craniofacial Center, Chang Gung Memorial Hospital, Linkou, Taiwan

**Scholarships/Awards/Grants**

- 2003            Convatec Research Grant for Dissertation in Master of Surgery in Plastic Surgery.
- 2006            AO Scholarship for AO Craniomaxillofacial Fellowship in Freiburg, Germany.
- 2007            Ethicon Travel Grant for Craniofacial Fellowship in Chang Gung Craniofacial Center.

## **Work Experience:**

- 01.04.95 – 31.05.96 Completed housemanship at Kasturba Hospital, India.
- 01.08.96 – 31.08.97 Completed housemanship at Hospital Kuala Lumpur.
- 01.09.97 – 31.12.97 Medical officer in Internal Medicine Department at Hospital Kuala Lumpur.
- 01.01.98 – 31.07.98 Medical Officer in General Surgery Department at Hospital Kuala Lumpur.
- 01.08.98 – 31.07.99 Medical Officer in Accident & Emergency Department at Hospital Raub.
- 01.08.99 – 31.05.00 Medical Officer in Hepato-Pancreato Biliary Surgery Unit at Hospital Kuala Lumpur.
- 01.06.00 – 30.11.00 Medical Officer in Orthopaedic Surgery Department at Hospital Kuala Lumpur.
- 01.12.00 – 28.02.01 Medical Officer in Burns Unit at Hospital Kuala Lumpur.
- 01.03.01 – 31.05.01 Medical Officer in General Surgery Department at Hospital Kuala Lumpur.
- 01.06.01 – 31.08.01 Medical Officer in Urology Department at Hospital Kuala Lumpur.
- 01.09.01 – 30.11.01 Medical Officer in Paediatric Surgery Department at Hospital Kuala Lumpur.
- 01.12.01 – 28.02.02 Medical Officer in Plastic Surgery Department at Hospital Kuala Lumpur.
- 01.03.02 – 31.05.02 Medical Officer in Neurosurgery Department at Hospital Kuala Lumpur.
- 01.06.02 – 30.11.02 Medical Officer in Plastic Surgery Department at Hospital Kuala Lumpur.
- 01.12.02 – 31.05.04 Registrar/Specialist in Plastic Surgery Department at Hospital Universiti Sains Malaysia.
- 01.06.04 – 31.05.05 Registrar/Specialist in Plastic Surgery Department at Hospital Kuala Lumpur.

## **Work Experience:**

- 01.06.05 – 31.12.06 As specialist in Plastic Surgery Department at Hospital Kuala Lumpur
- 08.01.07 – 2.03.07 As AO Craniomaxillofacial Fellow at Department of Craniomaxillofacial and Regional Facial Plastic Surgery, Freiburg University, Freiburg, Germany.
- 10.12.07 – 19.12.07 As Visiting Fellow to King Chulalongkorn Craniofacial Center, Department of Plastic Surgery, King Chulalongkorn University Hospital, Rama IV Road, Bangkok, Thailand.
- 01.04.07 – 31.03.08 As International Craniofacial Fellow at Chang Gung Craniofacial Center, Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taiwan.
- 01.04.08 – present As Consultant/ Head of Plastic & Reconstructive Surgery Department at Hospital Raja Perempuan Zainab II, Kota Bharu, Kelantan.

## **Training Background:**

### **(a) General Surgery Training:**

<b>Date of Training</b>	<b>Area of Training</b>	<b>Place of Training</b>
01.01.98 – 31.07.98	General Surgery	Hospital Kuala Lumpur
01.08.98 – 31.07.99	Accident & Emergency	Hospital Raub
01.08.99 – 31.05.00	Hepato-Pancreato-Biliary Surgery	Hospital Kuala Lumpur
01.06.00 – 30.11.00	Orthopaedic Surgery	Hospital Kuala Lumpur
01.12.00 – 28.02.01	Burns	Hospital Kuala Lumpur
01.03.01 – 31.05.01	General Surgery	Hospital Kuala Lumpur
01.06.01 – 31.08.01	Urology	Hospital Kuala Lumpur
01.09.01 – 30.11.01	Paediatric Surgery	Hospital Kuala Lumpur
01.12.01 – 28.02.02	Plastic Surgery	Hospital Kuala Lumpur
01.03.02 – 31.05.02	Neurosurgery	Hospital Kuala Lumpur

### **(b) Plastic Surgery Training:**

<b>Date of Training</b>	<b>Area of Training</b>	<b>Place of Training</b>
01.06.02 – 30.11.02	Plastic Surgery	Hospital Kuala Lumpur
01.12.02 – 31.05.04	Plastic Surgery	Hospital Universiti Sains Malaysia
01.06.04 – 31.05.05	Plastic Surgery	Hospital Kuala Lumpur

**(c) Craniomaxillofacial / Aesthetic Surgery Training:**

<b>Date of Training</b>	<b>Area of Training</b>	<b>Place of Training</b>
08.01.07 – 02.03.07	Craniomaxillofacial	( Klinik und Poliklinik für Mund-, Kiefer und Gesichtschirurgie/ Universitätsklinik Freiburg ), Freiburg University, Germany
01.04.07 – 31.03.08	Craniofacial /Aesthetic Surgery	Chang Gung Craniofacial Center, Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taiwan
10.12.07 – 19.12.07	Craniofacial	King Chulalongkorn Craniofacial Center, Department of Plastic Surgery, Chulalongkorn University Hospital, Rama IV Road, Bangkok, Thailand.

## Continuing Education:

- **Pancreas' 98** – organized by the College of Surgeons, Academy of Medicine Malaysia, from 06.03.98 - 07.03.98.
- **Wound Management Workshop** – organized by the Malaysian Association of Traumatology & Emergency Medicine, on 20.04.99.
- **Basic Surgical Skills Course** – organized by the Royal College of Surgeons of Edinburgh at HUKM, from 03.04.00 - 05.04.00.
- **FRCS Preparatory Course** – organized by the College of Surgeons, Academy of Medicine Malaysia, from 02.08.01 - 05.08.01.
- **11<sup>th</sup> Asean Congress of Plastic Surgery** – organized by the Singapore Association of Plastic Surgery, from 30.01.02 - 02.02.02.
- **5<sup>th</sup> Annual Scientific Meeting** – organized by MAPACS at Sunway Medical Centre, Petaling Jaya, from 30.01.02 - 17.03.02.
- **2<sup>nd</sup> Microsurgery Course** – organized by Plastic Surgery Dept, HKL/USM /IMR, from 24.04.02 - 27.04.02.
- **Burn Workshop** – organized by KKM / USM, Kota Bharu from 29.06.02 - 30.06.02.
- **Epidermiology, Clinical & Research Methodology Workshop** – organized by HUKM, Cheras from 22.07.02 - 27.07.02.
- **Research Methodology & Biostatistics** – organized by PPSP,HUSM, Kubang Kerian. from 15.09.02 - 19.09.02.
- **3<sup>rd</sup> HKL Flap Dissection Workshop** – organized by Plastic Surgery Dept, HKL /USM/Anatomy Dept,UKM from 16.10.02 - 18.10.02.
- **Good Clinical Practice Workshop Clinical Trial Unit** – organized by HUSM, Kubang Kerian, from 22.12.02 - 24.12.02.
- **Bioethics & Communication Skills** – organized by PPSP,HUSM from 08.03.03 - 13.03.03.
- **3<sup>rd</sup> HKL Microsurgery Workshop** – organized by Plastic Surgery Dept, HKL/HUSM/IMR from 31.03.03 - 03.04.03.

- **8<sup>th</sup> National Conference on Medical Sciences** – organized by HUSM, from 08.05.03 - 09.05.03.
- **37<sup>th</sup> Malaysia – Singapore Congress of Medicine, Malaysia** – organized by Academy of Medicine, at Hotel Istana, K.L, from 04.09.03 - 07.09.03.
- **First Thai International Congress on Interdisciplinary Care for Cleft Lip & Palate 2003** – organized by Khon Kaen University, Thailand at Sofitel Hotel, Khon Kaen, Thailand, from 02.12.03 - 04.12.03.
- **4<sup>th</sup> HKL Flap Dissection Course** – organized by Plastic Surgery Dept, HKL/ HUSM/Anatomy Dept,UKM, from 08.12.03 - 10.12.03.
- **12<sup>th</sup> ASEAN Congress of Plastic Surgery** – organized by Philippines Association of Plastic Surgery at EDSA Shangri-La Hotel, Manila, Phillipines from 02.02.04 - 04.02.04.
- **The Current Concepts On Etiology, Pathogenesis & Complications of Craniofacial Congenital Deformities** by Prof.David J David – organized by Institute of Cranio- facial Studies ( ICFS-USM Educational Program ), HUSM, Lecture Hall 1, Level 2,PPSG on 04.03.04.
- **5<sup>th</sup> HKL Flap Dissection Course** – organized by Plastic Surgery Dept,HKL/ HUSM/Anatomy Dept,UKM from 16.08.04 - 18.08.04. (conducted by Prof. Peter C. Neligan)
- **Seminar on Reconstructive Sciences: “Overview and Updates”** – organized by Reconstructive Sciences Unit, School of Medical Sciences, USM from 24.08.05 – 25.08.05.
- **3<sup>rd</sup> International Workshop on Surgical Techniques in Cleft Lip & Palate & Maxillofacial Surgery** – organized by the Craniofacial Center, Chang Gung Memorial Hospital, Taiwan Cleft Hospital, Taiwan Cleft Palate-Craniofacial Association, from 06.09.04 - 09.09.04.
- **2<sup>nd</sup> National Symposium - ‘Understanding Plastic Surgery’** – organized by Plastic Surgery Dept, HKL on 04.12.04.
- **9<sup>th</sup> International Congress of Oriental Society of Aesthetic Plastic Surgery** – organized by the OSAPS, Society of Aesthetic Plastic Surgeons of Thailand & Society of Plastic & Reconstructive Surgery of Thailand at Shangri-La Hotel, Bangkok from 6.12.04 - 9.12.04.
- **6<sup>th</sup> HKL Flap Dissection Course** – organized by Plastic Surgery Dept, HKL/ HUSM/Anatomy Dept,UKM from 04.04.05 - 06.04.05. (conducted by Prof. Willy Boeckx)

- **Updates In Wound & Burn Management: Seminar & Workshop** – Recent Advances & Their Clinical Applications – organized by the Reconstructive Sciences Unit, HUSM, Kubang Kerian from 11.04.05 - 13.04.05.
- **Current Advances in the Management of Vascular Anomalies** – organized by Plastic & Reconstructive Surgery Department, Hospital Penang on 04.07.05.
- **3<sup>rd</sup> AO-ASIF Craniomaxillofacial Principles Course** – organized by AO International, AO East Asia & Department of Otolaryngology –Head and Neck Surgery, University of Santo Tomas, Manila, Philippines from 27.02.06 – 02.03.06.
- **8<sup>th</sup> Annual Scientific Meeting** – organized by MAPACS at Pantai Medical Centre, Kuala Lumpur, from 24.03.06 - 26.03.06.
- **7<sup>th</sup> HKL Flap Dissection Course** – organized by Plastic Surgery Dept, HKL/ HUSM/Anatomy Dept, UKM from 29.03.06 - 31.03.06.
- **Annual General Meeting & Annual Scientific Meeting:Emergency Surgery** – organized by College of Surgeons, Academy of Medicine of Malaysia at Equatorial Hotel, Melaka, Malaysia, from 23.06.06 - 25.06.06.
- **13<sup>th</sup> ASEAN Congress of Plastic Surgery and the 5<sup>th</sup> Congress of the ISSiS** – organized by The Society of Plastic & Reconstructive Surgeons of Thailand, Sheraton Chiang Mai, Chiang Mai, Thailand, from 16.10.06 - 18.10.06.
- **Augmentation & Implants: Live Surgery & Hands - On Course** – organized by Department of Craniomaxillofacial and Regional Facial Surgery, Freiburg University, Freiburg, Germany, from 21.02.07 - 24.02.07.
- **The International Workshop On Surgical-Orthodontic Approach To Dentofacial Deformity** – organized by Taiwan Cleft Palate-Craniofacial Association, Chang Gung Memorial Hospital, Taipei, Taiwan, from 29.10.07 - 31.10.07.
- **The Head & Neck Reconstruction Workshop** – organized by Plastic & Reconstructive Surgery Department, King Chulalongkorn Hospital, Bangkok, Thailand, from 19.12.07 - 20.12.07.
- **5<sup>th</sup> World Congress On Tissue Banking/ 12<sup>th</sup> International Conference of Asia Pacific Association of Surgical Tissue Banks** – organized by Ministry of Health of Malaysia, Universiti Sains Malaysia at Renaissance Hotel, Kuala Lumpur, from 02.06.08 - 06.06.08.

- **The 5<sup>th</sup> International workshop on Surgical Techniques in Cleft Lip & Palate and Maxillofacial Surgery** – organized by Chang Gung Craniofacial Center & Taiwan Cleft Palate-Craniofacial Association at Chang Gung Craniofacial Center, Chang Gung Memorial Hospital, Taoyuan, Taiwan, from 02.10.08 - 04.10.08.
- **The 7<sup>th</sup> Asian Pacific Craniofacial Association Conference (APCA) and the 6<sup>th</sup> Congress of the International Society for Simulation Surgery (ISSis)** – organized by Taiwan Cleft Palate-Craniofacial Association at the Grand Hotel, Taipei, Taiwan, from 05.10.08 - 08.10.08.

## **Publications:**

### **Scientific Journals:**

- Mohd Faizal Ali, Shukor Md Noh, **Aik-Ming Leow**. An audit of the admissions in the burn care unit. : published in The Kuala Lumpur Hospital Journal of Quality Improvement 2001, Vol 5, No 2:15-27.
- **A.M. Leow**, A.S. Halim, A.R. Samsudin. The role of free tissue transfer following extirpation of malignant tumors of head and neck : the H.U.S.M experience. The Medical Journal of Malaysia, Vol 58:105,Supplement E, Sept 2003.
- **A.M. Leow**, A.S. Halim, Z Wan. Reconstructive treatment following resection of high-grade soft tissue sarcomas of the lower limb. Journal of Orthopaedic Surgery, 2005; 13:58-63.
- **A.M. Leow**, A.S. Halim. Reconstruction of composite anterior mandibular defect with combined use of pedicled submental and free fibula osteoseptocutaneous flaps for recurrent tumour extirpation : a case report. Pakistan Journal of Otolaryngorhinology, Head and Neck Surgery, 2007;23:49-51.
- **A.M. Leow**, L.J. Lo. Palatoplasty: Evolution and Controversies. Chang Gung Medical Journal, 2008;31:335-345.
- **A.M. Leow**, A.S. Halim, A.R. Samsudin. Role of free tissue transfer following extirpation of advanced head and neck tumours. Pakistan Journal of Otolaryngorhinology, Head and Neck Surgery, 2008;24:31-35.

## Books

- Ahmad Sukari Halim, **Aik-Ming Leow**, Aravazhi Ananda Dorai, Wan Azman Wan Sulaiman. Radiation in Tissue Banking: Basic Science and Clinical Applications of Irradiated Tissue Allografts. Chapter 26: Clinical Applications of Irradiated Amnion Grafts: Use of Amnion in Plastic Surgery. p 365-379.

## Current articles /research projects in progress:

- **Authors:** P Voss, **Leow AM**, Schmelzeisen R. **Title:** Navigation-Guided Resection with Single Stage Functional Reconstruction for Skull Base Malignant Parotid Tumor: Case Report. (Type of research: case report, submitted to International Journal of Oral & Maxillofacial Surgery)
- **Authors:** **Leow AM**, Chen K.T, Chen YR. **Title:** Variant Type of Midline Nevus Flammeus in Cleft Patients: Is It a Physiological or Pathological Sign?-(Type of research: retrospective observational study, submitted to Cleft Palate –Craniofacial Journal )
- **Authors:** **Leow AM**, Chen CT, Tsay PK, Huang CH, Lin CH, Chen YR. **Title:** A Comparative Study of Different Surgical Timing and Fracture Types on the Outcome of Diplopia After Orbital Fracture Repair.- (Type of research: retrospective comparative study, submitted to Archives of Ophthalmology)
- **Authors:** **Leow AM**, Chen CT, Tsay PK, Huang CH, Lin CH, Chen YR. **Title:** Evolving Concepts in The Management of Orbital Fractures With Posttraumatic Enophthalmos and The Outcome.- (Type of research: retrospective comparative study, submitted to Journal of Plastic & Reconstructive Surgery)
- **Authors:** **Leow AM**, Yu CC, Chen YR. **Title:** The Study of Nasal Profile Changes in Orientals After Orthognathic Surgery.- (Type of research: retrospective comparative study, completed data collection, currently analyzing data & writing)
- **Authors:** **Leow AM**, Chen ZC, Chen KT, Lo LJ, Chen YR, Nagata S. **Title:** Management of Low Hairline for Microtia in Total Auricle Reconstruction.- (Type of research: retrospective case series, completed data collection, currently analyzing data & writing)

## **Free Paper Presentations:**

- **A.M Leow**, A.S Halim, Zulmi Wan. Reconstructive treatment following resection of lower limb high-grade soft tissue sarcomas. – 8<sup>th</sup> National Conference on Medical Sciences, on 09.05.03 at the Health Campus, Universiti Sains Malaysia, Kota Bharu, Kelantan, Malaysia.
- **A.M. Leow**, A.S. Halim, A.R. Samsudin. The role of free tissue transfer following extirpation of malignant tumors of head and neck : the H.U.S.M experience. – 37<sup>th</sup> Malaysia-Singapore Congress of Medicine, on 06.09.03 at Istana Hotel, Kuala Lumpur.
- **A.M Leow**, A.S Halim. Evaluation of dento-alveolar arch and palatal changes following primary lip repair. – First Thai International Congress on Inter-disciplinary Care for Cleft Lip & Palate 2003, on 03.12.03 at Sofitel Hotel, Khon Kaen, Thailand.
- **A.M Leow** .Free tissue transfer in limb salvage surgery – 12<sup>th</sup> ASEAN Congress of Plastic Surgery, Manila, Philippines, on 03.02.04 at EDSA Shangri-La Hotel, Manila, Phillipines.
- **A.M Leow**, A.S Halim. Pedicle Extension In Free Fibula Flap: A prospective anatomical Study and its role in reconstructive surgery. – 13<sup>th</sup> ASEAN Congress of Plastic Surgery and the 5<sup>th</sup> Congress of the ISSiS, on 18.10.06 at Sheraton Chiang Mai Hotel, Thailand.
- **A.M Leow**, A.S Halim. A comparative study of the dried human amnion with hydrocolloid dressing in the treatment of split thickness skin graft donor sites. – 13<sup>th</sup> ASEAN Congress of Plastic Surgery and the 5<sup>th</sup> Congress of the ISSiS, on 18.10.06 at Sheraton Chiang Mai Hotel, Thailand.
- **A.M Leow**, P.K Tsay, C.T Chen, C.H Huang, Y.R Chen. Evolving concept in the management of orbital fractures with post-traumatic enophthalmos and the outcome. – 7<sup>th</sup> Asian Pacific Craniofacial Association Conference, on 06.10.08 at Grand Hotel, Taipei, Taiwan.

## **Poster Presentations:**

- **A.M Leow**, Philip K.T Chen, Y.R Chen. Variant type of midline nevus flammeus in cleft patients: Is it a physiological or pathological sign? – 7<sup>th</sup> Asian Pacific Craniofacial Association Conference, on 05.10.08- 08.10.08 at Grand Hotel, Taipei, Taiwan.

## **Research / Dissertation:**

- *A Comparative Study of the Dried Human Amnion with Hydrocolloid Dressing in the Treatment of Split Thickness Skin Graft Donor Sites.* – as a dissertation for Master of Surgery ( Plastic Surgery ) 2005.

## **Lectures / Seminars/ Workshops:**

- *Nosocomial Infection* – Raub district hospital level, Pahang state, on 17.12.1998.
- *Presentations on introduction to plastic surgery, history of plastic surgery and its scope / vacuum assisted closure and tissue expansion* – 2<sup>nd</sup> National Symposium - ‘Understanding Plastic Surgery’ – organized by Plastic Surgery Dept, HKL on 04.12.04.
- *Lecture on plastic surgery: “Plastic Surgery-Is it the right choice?”* – organized by National Blood Centre, Kuala Lumpur, on 20.01.06.
- *Lecture on flaps of upper limbs for 7<sup>th</sup> HKL Flap Dissection Course* – organized by Plastic Surgery Dept, HKL/ HUSM/Anatomy Dept, UKM, from 29.03.06 - 31.03.06.
- *Lecture on funnel chest* – organized Hospital Kuala Lumpur for weekly clinical conference, on 02.08.06.
- *Presentations on introduction to plastic surgery, history of plastic surgery and its scope / paediatric plastic surgery* – 3<sup>rd</sup> National Symposium - ‘Understanding Plastic Surgery’ – organized by Plastic Surgery Dept, HKL on 26.08.06.
- *Lecture on breast reconstruction: “Breast Reconstruction-Information & Options”* – organized by Breast Care Support Group, Hospice Society (Kelantan state) & Surgery Dept, HRPZ II, Kota Bharu, Kelantan Darul Naim on 19.06.08.
- Lecture for HRPZ II morning CME on: *“Cleft lip & palate: a team approach for wholesome treatment”* – organized by HRPZ II, Kota Bharu, Kelantan Darul Naim on 11.09.08.

### **Special Interests:**

- *Cranio-maxillofacial Surgery.*
- *Aesthetic Surgery.*
- *Microsurgery & Reconstructive Surgery.*

### **Co-Curricular Activities:**

- Member of Buddhist Tzu-Chi Merits Society, Malaysia.
- Medical volunteer for Tzu-Chi Free Clinic, Klang, Selangor, Malaysia.
- Medical volunteer for Sri Jayanthi Temple Free Clinic, Sentul, Kuala Lumpur, Malaysia.
- Professional member for Cleft Lip & Palate Association of Malaysian (CLAPAM).
- Professional member for the Cleft Lip & Palate Association of Kelantan (CLAPAK).

### **Languages spoken:**

- English, Bahasa Malaysia, Chinese ( dialects : Hokkien, Mandrin & Cantonese )
- Able to converse in Thai (moderate), Japanese (little), German (little) and Hindi (little) languages.