

# 2023 COLLABORATING FOR BETTER HEALTH: A MULTI-SPECIALTY CONFERENCE 2023MSC Handbook

13-14 August 2023



## Welcome to 2023MSC

In August of 2023, Taiwan and Somaliland will host a medical conference. Medical professionals from around the country gather at this conference to exchange ideas and discuss recent advancements. Cancer, trauma, hemodialysis, live-donor organ transplants, general surgery, forensics, otolaryngology, oral and maxillofacial surgery, non-communicable illnesses, the Taiwanese experience with HBV/HCV, medical education with specialist training, and the present situation in Somaliland are just a few of the topics that will be discussed during the conference. We anticipate that by disseminating this knowledge to medical professionals in many public hospitals and private sectors in major cities across Somaliland, we may encourage sharing knowledge and best practices amongst them and eventually enhance patient care.



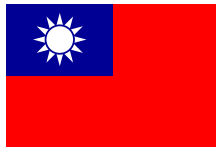
Chair of 2023MSC,  
Dr. Tex Li-Hsing Chi, DDS., Ph.D.  
Taiwan Medical Mission

## Conference Schedule

The conference will take place over two half days in the morning on August 13 and August 14. Our official website can be accessed at URL: <https://shorturl.at/ekDNV> (or by QRcode)



(Please **scan/login** for registration and get **the online PDF** version of this handbook for 2023MSC)



# 2023 COLLABORATING FOR BETTER HEALTH: A MULTI-SPECIALTY CONFERENCE

TAIPEI MUNICIPAL WANFANG HOSPITAL VERSUS HARGEISA GROUP HOSPITAL  
ON AUGUST 13-14, 2023, AT 09:00 AM, SUNDAY-MONDAY  
VENUE: CONFERENCE HALL OF CARRO EDEG HOTEL, HARGEISA

August 13 Topic	Speaker
09:00 Opening	<b>Dr. Ming-Che Lee, M.D., Ph.D.</b> (Deputy Superintendent, TMWH)
09:05 History of Hemodialysis in Somaliland	<b>Dr. Ahmed Wali, M.D.</b> (Director, Hemodialysis Center of HGH)
09:20 Organ Transplantation in Wan Fang Hospital	<b>Dr. Ming-Che Lee, M.D., Ph.D.</b> (Deputy Superintendent, TMWH)
09:35 Panel Discussion	<b>Dr. Ahmed and Dr. Ming-Che</b>
10:00 Treatment of Acute Ischemic Stroke in Taiwan	<b>Dr. Chin-I Chen, MD.</b> (Director, Stroke Center, TMWH)
10:15 Cancer Epidemiology in Somaliland	<b>Dr. Omar Marshal, M.D.</b> (Pathologist, HGH)
10:30 Common Thyroid Disorders in Somaliland	<b>Dr. Adnan Sayid Abdo, M.D.</b> (Deputy Director, Hargeisa Group Hospital, HGH)
10:45 Common Diseases in Otolaryngology (ENT) and ENT Training Program at Wan Fang Hospital	<b>Dr. Shih-Han Hung, M.D., Ph.D.</b> (Director, Department of Otolaryngology of TMWH)
11:00 Maxillofacial Care for Gunshot Patients in Somaliland	<b>Dr. Abdurahim Urcade, BDS (Pak), FCPS (Pak), FAOCMF (Germany)</b> (Consultant Oral and Maxillofacial Surgeon, HGH)
11:15 The Current State of Neurosurgery in Somaliland	<b>Dr. Abdulhamid Mohamed Ali Suleman, M.D.</b> (Consultant Neurosurgeon, HGH)
11:30 Panel Discussion	<b>Dr. Shih-Han, Dr. Adnan, Dr. Abdulhamid, Dr. Omar, Dr. Tex, and Dr. Abdurahim</b> (Head and Neck Surgeons)
12:00 Group Photos/Lunch Break	
August 14 Topic	Speaker
09:00 VIP Remarks	<b>Dr. Mohamed Abdi Hergeye, M.D.</b> (Director General, MoHD)
09:10 VIP Remarks	<b>Amb. Allen Lou</b> (Ambassador of Taiwan to Somaliland)
09:20 Forensic Medicine in Somaliland	<b>Dr. Ahmed Omar Askar, M.D.</b> (Director, HGH)
09:35 Panel Discussion	<b>Dr. Askar and Dr. Tex</b> (Medical Investigators)
10:00 Orthopedic Care for Gunshot Patients in Somaliland	<b>Dr. Ahmed Saed Ali, M.D.</b> (Chief, Orthopedic Department of HGH)
10:15 Management of Trauma Patient in Taiwan Emergency Department	<b>Dr. Yun-yu (Cloud) Wu, M.D.</b> (Specialist, Emergency Department of TMWH)
10:30 Panel Discussion	<b>Dr. Ahmed and Dr. Yun-yu</b> (Trauma Team)
11:00 Tackling Non-communicable Diseases in Somaliland	<b>Dr. Abdurahman Madar M.D., MSc.</b> (Board President, Somalilander-American Health Association)
11:15 Medical Education and Internship Training in Somaliland	<b>Dr. Jinaw Mohamed Qalib, M.D., MsHPE, MPH</b> (Clinical-Teaching Coordinator, University of Hargeisa)
11:30	
12:00 Closure/Group Photos/Lunch Break	



**TAIPEI**  
MUNICIPAL WANFANG HOSPITAL  
(Managed by Taipei Medical University)



**Speaker Biographies**

and

**Abstracts of Presentations**

Dr. Ahmed Wali, M.D.  
Director, Hemodialysis Center of HGH



## **Ming-Che Lee, M.D.**

### ***Deputy superintendent***

*Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan.*

### ***Chairman***

*Department of Surgery, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan.*

### ***Attending Surgeon***

*Division of General Surgery, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan.*

### ***Director***

*Research Center for Organ Transplantation, Taipei Medical University, Taipei, Taiwan.*

### ***Professor of Surgery***

*Department of Surgery, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan.*

Dr. Lee graduated from School of Medicine, Taipei Medical University (Former Taipei Medical College), Taipei, Taiwan in 1991. He completed his surgical residency training in Hualien Tzu Chi Hospital and worked as a full-time general surgeon since 1996 at Department of Surgery, Hualien Tzu Chi Hospital, Hualien, Taiwan. He had visited Thomas E. Starzl Transplantation Institute, University of Pittsburgh Medical Center, Pennsylvania, USA as a research fellow in liver transplantation program between September 1997 and December 1998. He was also a short-term visiting research fellow of Department of Urology, Tokyo Women's University Hospital, Tokyo, Japan in July 2008. In August 2021, he relocated to Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan. Now he is the deputy superintendent of Wan Fang Hospital and the Professor of Surgery, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan. As a member of the council of Transplantation Society of Taiwan and a board member of director of Taiwan Organ Registry and Sharing Center, Professor Lee actively involves in the field of liver and kidney transplantation surgery, deceased organ recovery and organ donation education. He is also the President of Organ Donation Association, R.O.C., which is a non-profit organization to promote

organ donation and donor family counseling in Taiwan, since 2017. His major interests include hepatobiliary and pancreatic surgery, organ transplantation including deceased and live donor liver and kidney transplantation, and pathogenesis of liver cancer metastasis. Professor Lee has published more than 100 scientific articles in field of organ transplantation, gastrointestinal motility, and surgical oncology in relevant journals.



# Organ transplantation in Wan Fang Hospital

Ming-Che Lee, M.D.

Department of Surgery, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan.

Research Center for Organ Transplantation, Taipei Medical University, Taipei, Taiwan.

Department of Surgery, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan.

## Abstract

Organ transplantation nowadays is one of the most promising strategies to treat patients with end-staged organ failure. In terms of treatment effectiveness, not only the quality of life but also the patient survival is improving after a successful organ transplantation. Organ transplantation developed in the early era of 1960' in Taiwan. Currently all type of organ transplantation could be performed in specific centers that engage in transplantation surgery. Wan Fang Hospital, one of the Medical Center that affiliated to Taipei Medical University, is one of the transplantation center that engages to promote heart, liver and kidney transplantation in northern part of Taiwan. As a 750 available bed Medical Center in Taipei City, Organ Transplantation Center in Wan Fang in charge in mission of organ donation and transplantation. Average 10 deceased donors and numerous live organ donors undergo organ procurement surgery, and estimate 5 heart, 10 liver and 10 to 15 kidney transplantation surgeries are performed annually. In current talk, a brief introduction of the status of organ transplantation in Taiwan and Wan Fang Hospital will be presented. Further collaboration program in medical service of organ transplantation between Hargeisa Group Hospital Somaliland and Wan Fang Hospital Taiwan will be discussed and communicated.

**Chin-I Chen M.D.**

**Director, Stroke Center, Taipei Medical University Wanfang Hospital**

**Director, Long term Care Committee, Taiwan Stroke Society**

### **Abstract**

Stroke is the fifth leading cause of death and the most common cause of complex disability in Taiwan. The annual age-standardized mortality rate of stroke is steadily decreasing in recent decades. Standard treatment for acute ischemic stroke in Taiwan is following international guidelines and recommendations. The treatment protocol involves the following steps:

- 1) Early Recognition and Assessment: Rapid recognition of stroke symptoms and early activation of emergency medical services (EMS) is crucial to ensure timely evaluation and treatment.
- 2) Thrombolytic Therapy: Intravenous thrombolytic therapy with tissue plasminogen activator (tPA) is considered the standard of care for eligible patients with acute ischemic stroke within 4.5-hour time window.
- 3) Mechanical Thrombectomy: For certain patients with large vessel occlusion (LVO), endovascular thrombectomy (EVT) may be considered within 8-hour time window. This procedure involves using a catheter to physically remove the blood clot from the blocked artery.
- 4) Supportive Care: including close monitoring, blood pressure control, prevention of complications, and rehabilitation.
- 5) Secondary Prevention: After the acute phase, it's essential to address and manage risk factors that may have contributed to the stroke to prevent future occurrences.

Dr. Omar Marshal, M.D.  
Pathologist, HGH

Dr. Adnan Sayid Abdo, M.D.  
Deputy Director, Hargeisa Group Hospital, HGH

## Shih-Han Hung, MD PhD



Department of otolaryngology, Wan Fang Hospital, Taipei Medical University

Address: No.250, Wu Hsing Street, Taipei City 110, Taiwan

TEL: +886-9360303671

Email: [seedturtle@gmail.com](mailto:seedturtle@gmail.com)

[https://www.researchgate.net/profile/Shih-Han\\_Hung/](https://www.researchgate.net/profile/Shih-Han_Hung/)

## Education

09/1994~07/2001

Medical Doctor Degree, Chang -Gung University, School of Medicine, Taiwan

07/1998~07/2001

Clerk and Intern training in Chang-Gung Memorial Hospital, Taipei, Taiwan

07/2001~07/2005

Residency, Department of Otolaryngology Head Neck Surgery, Cathay General Hospital, Taipei, Taiwan

07/2005~01/2009

Master Degree, Taipei Medical University, Graduate institute of Medicine, Taiwan

09/2012~06/2020

PhD Degree, Taipei Medical University, Graduate institute of Medicine, Taiwan

## Board Certification and Licensure

Member and Board Certified Specialist in Otolaryngology

1. Taiwan Otolaryngological Society
2. Taiwan Head and Neck Society

## Clinical Experience

07/2001~07/2005     Resident, Department of Otolaryngology Head Neck Surgery,  
Cathay General Hospital

07/2005~07/2011     Fellow, Department of Otolaryngology Head Neck Surgery,  
Cathay General Hospital

08/2011~12/2011     Visiting Staff, Department of Otolaryngology Head Neck  
Surgery, Cathay General Hospital

01/2012~07/2019     Visiting Staff, Department of Otolaryngology , Taipei Medical  
University Hospital

08/2019~present     Visiting Staff, Department of Otolaryngology, Wan Fang Hospital,  
Taipei Medical University

10/2013~01/2017     Assistant Professor, Department of Otolaryngology, School of  
Medicine, Taipei Medical University

02/2017~               Associate Professor, Department of Otolaryngology, School of  
Medicine, Taipei Medical University

## Awards

1. 2012 Taipei Medical University Clinical Research Award
2. 2013 Best Paper Prize, The Journal of Laryngology & Otology
3. 2014 Young Investigator Award, 7th World Congress on Preventive &  
Regenerative Medicine
4. 2014 Taipei Medical University Clinical Research Award
5. 2015 Taipei Medical University Clinical Research Award

## Research Interest

1. Airway Tissue Engineering
2. Salivary gland disorders and Sialendoscopy

## Selected Publication

- ◆ Yen-Chun Chen MD, Luong Huu Dang MD, PhD, Wei-Wen Chang MD, Chin-Hui Su MD, PhD, Shih-Han Hung MD, PhD: **Impaired spontaneous secretion as a potential factor in the development of sialolithiasis in the submandibular gland: A preliminary sialoscintigraphic study**, August 2022 *Laryngoscope Investigative Otolaryngology*
- ◆ Luong Huu Dang Yen-Chun Chen How Tseng Chin-Hui Su Shih-Han Hung: **The sialodynamic test: A preliminary porcine head study**, August 2022 *The Journal of international medical research* 50(8):030006052211153
- ◆ Luong Huu Dang , Shih-Han Hung , Yuan Tseng , Ly Xuan Quang , Nhi Thao Ngoc Le , Chia-Lang Fang , How Tseng : **Partial Decellularized Scaffold Combined with Autologous Nasal Epithelial Cell Sheet for Tracheal Tissue Engineering**, *Int J Mol Sci.* 2021 Sep 25;22(19):10322.
- ◆ Luong Huu Dang , Yuan Tseng , How Tseng , Shih-Han Hung : **Partial Decellularization for Segmental Tracheal Scaffold Tissue Engineering: A Preliminary Study in Rabbits**, *Biomolecules.* 2021 Jun 10;11(6):866. doi: 10.3390/biom11060866.
- ◆ Shuo-Jen Wang, Lung-Che Chen, Yi-Chih Lin, Yen-Chun Chen, Luong Huu Dang, Po-Yueh Chen, Chin-Hui Su, Shih-Han Hung (2021) **Prognostic Factors for the Outcome of Salivary Gland Holmium: YAG Laser Intraductal Lithotripsy.** *Ear, nose, & throat journal Apr.*
- ◆ Yen-Chun Chen, Luong Huu Dang, Lung-Che Chen, Chi-Ching Chang, Deng-Yu Han, Chung-Huei Hsu, Yi-Fang Ding, Chin-Hui Su, Shih-Han Hung (2021) **Office-based salivary gland ductal irrigation in patients with chronic sialoadenitis: A preliminary study.** *Journal of the Formosan Medical Association = Taiwan yizhi* 120: 1 Pt 2. 318-326 Jan.
- ◆ Yen-Chun Chen, Deng-Yu Han, Chi-Ching Chang, Chin-Hui Su, Shih-Han Hung, Chung-Huei Hsu (2020) **The establishment and application of sialoscintigraphic reference values from patients with obstructive sialadenitis.** *Nuclear medicine communications* 41: 4. 308-313 Apr.

- ◆ Shih-Han Hung, Sudha Xirasagar, Yen-Fu Cheng, Herng-Ching Lin (2019) **A case-control study of the association between sialolithiasis and osteoporosis.** *Clinical otolaryngology : official journal of ENT-UK ; official journal of Netherlands Society for Oto-Rhino-Laryngology & Cervico-Facial Surgery* 44: 3. 343-348 05.
- ◆ Yi-Fang Ding, How Tseng, Chin-Hui Su, Chien-Cheng Tai, Yuan-Yi Wu, Cheng-Ji Haung, Cheng-Shen Lee, Shih-Han Hung (2019) **Development of a poly-L-lactide salivary duct stent.** *Experimental and therapeutic medicine* 17: 4. 2907-2912 Apr.
- ◆ Chia Hsing Lin, Shih-Han Hung, Chin Hui Su (2019) **Sialendoscopic Approach in the Management of Large Sialoceles of the Stensen Duct.** *Ear, nose, & throat journal* 98: 6. 324-325 Jul.
- ◆ Chin-Hui Su, Shih-Han Hung (2018) **Easy insertion into the duct: The use of an angiocatheter as a sialendoscopy applicator.** *The Laryngoscope* 128: 6. 1392-1394 06.
- ◆ Shih-Han Hung, Chin-Hui Su, Herng-Ching Lin, Chung-Chien Huang, Senyeong Kao (2018) **A sialoadenectomy is associated with an increased risk of coronary heart disease: A three-year follow-up study.** *PloS one* 13: 6. 06.
- ◆ Chin-Hui Su, Kuo-Sheng Lee, Te-Ming Tseng, How Tseng, Yi-Fang Ding, Michael Koch, Shih-Han Hung (2017) **Intraductal injection as an effective drug delivery route in the management of salivary gland diseases.** *European archives of oto-rhino-laryngology* : 274: 1. 399-404 Jan.
- ◆ Shih-Han Hung, Herng-Ching Lin, Chin-Hui Su, Shiu-Dong Chung (2016) **Association of sialolithiasis with cholelithiasis: A population-based study.** *Head & neck* 38: 4. 560-563 Apr.
- ◆ Chin-Hui Su, Kuo-Sheng Lee, Te-Ming Tseng, Shih-Han Hung (2016) **Post-sialendoscopy ductoplasty by salivary duct stent placements.** *European archives of oto-rhino-laryngology* : 273: 1. 189-195 Jan.
- ◆ Shih-Han Hung, Hung-Meng Huang, Hsin-Chien Lee, Herng Ching Lin, Li-Ting Kao, Chuan-Song Wu (2016) **A population-based study on the association between chronic periodontitis and sialolithiasis.** *The Laryngoscope* 126: 4. 847-850 Apr.



- ◆ Chuan-Chang Wu, Shih-Han Hung, Herng-Ching Lin, Cha-Ze Lee, Hsin-Chien Lee, Shiu-Dong Chung (2016) **Sialolithiasis is associated with nephrolithiasis: a case-control study.** *Acta oto-laryngologica* 136: 5. 497-500 Oct.
- ◆ Chin-Hui Su, Kuo-Sheng Lee, Jui-Hsien Hsu, Fei-Peng Lee, Hsiang-Yu Lin, Shuan-Pei Lin, Shih-Han Hung (2016) **Pediatric sialendoscopy in Asians: A preliminary report.** *Journal of pediatric surgery* 51: 10. 1684-1687 Oct.
- ◆ Shih-Han Hung, Chin-Hui Su, Sey-En Lin, How Tseng (2016) **Preliminary experiences in trachea scaffold tissue engineering with segmental organ decellularization.** *The Laryngoscope* 126: 11. 2520-2527 11.
- ◆ Shih-Han Hung, Te-Ming Tseng, Hsin-Te Hsu, How Tseng (2014) **Adhesive strength of ethyl-2-cyanoacrylate tissue adhesive: how strong is it?** *Surgery today* 44: 5. 927-932 May.
- ◆ Wei-Han Lee, Te-Ming Tseng, Hsin-Te Hsu, Fei-Peng Lee, Shih-Han Hung, Po-Yueh Chen (2014) **Salivary gland tumors: A 20-year review of clinical diagnostic accuracy at a single center.** *Oncology letters* 7: 2. 583-587 Feb.
- ◆ Yu-Ting Sun, Kuo-Sheng Lee, Shih-Han Hung, Chin-Hui Su (2014) **Sialendoscopy with holmium:YAG laser treatment for multiple large sialolithiasis of the Wharton duct: a case report and literature review.** *Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons* 72: 12. 2491-2496 Dec.
- ◆ Shih-Han Hung, Chin-Hui Su, Fei-Peng Lee, How Tseng (2013) **Larynx decellularization: combining freeze-drying and sonication as an effective method.** *Journal of voice : official journal of the Voice Foundation* 27: 3. 289-294 May.

# **Title: Common Diseases in Otolaryngology (ENT) and WFH ENT training program**

The presenter will provide a comprehensive overview of common diseases in Otolaryngology (ENT), discussing their pathogenesis, symptoms, diagnosis, treatment options, and standard hospital routines.

## **I. Common Ear Diseases**

Otitis Media

Cholesteatoma

Hearing Impairment

Dizziness

The session will delve into the common ear diseases, emphasizing their symptoms, causes, and treatment options. Otitis Media, Cholesteatoma, Hearing Impairment, and Dizziness will be discussed in detail.

## **II. Common Nasal Diseases**

Sinusitis

Allergic Rhinitis

Epistaxis

Nasopharyngeal Cancer

This session will focus on nasal diseases, including sinusitis, allergic rhinitis, epistaxis, and nasopharyngeal cancer, discussing their symptoms, underlying pathogenesis, and available treatment options.

## **III. Common Oral and Pharyngeal Diseases**

Vocal Cord Tumors

Tonsillitis

Sleep Apnea

Oral Cancer

Laryngeal and Hypopharyngeal Cancer

Parotid Gland Tumors

Deep Neck Infections

The final session will concentrate on common oral and pharyngeal diseases. The presenter will elaborate on symptoms, diagnosis, and management strategies of conditions such as Vocal Cord Tumors, Tonsillitis, Sleep Apnea, Oral Cancer, Laryngeal and Hypopharyngeal Cancer, Parotid Gland Tumors, and Deep Neck Infections.

The hardware and the training programs in Wan Fang Hospital ENT will also be introduced for possible future collaboration and international observership considerations.

Note: The delegates are encouraged to participate actively in the discussions and make the most of the Q&A session. The presenter's objective is not only to provide an informative overview but also to foster an enriching conversation that will contribute to better understanding and management of these common otolaryngologic diseases.

Dr. Abdirahim Uurcade, BDS (Pak), FCPS (Pak), FAOCMF (Germany)  
Consultant Oral and Maxillofacial Surgeon, HGH

# Tex Li-Hsing Chi, D.D.S., Ph.D.

Updated July 12, 2023

**Email:** d622101005@tmu.edu.tw

**GitHub:** /github.com/texchi2

**Office:** Hargeisa Group Hospital

**Phone:** +886 970746852

**ResearchGate:** /profile/Li\_Hsing\_Chi

**Citizenship:** Taiwan

Chief of Taiwan Medical Mission in the Republic of Somaliland (March 2023 - present)

Attending physician (April 2022 - present)

Director (April 2021 - March 2022)

Division of Oral and Maxillofacial Surgery, Department of Dentistry, Wan Fang Hospital, Taipei Medical University

Attending physician (Jan. 2002 - present)

Division of Oral and Maxillofacial Surgery, Department of Dentistry, Taipei Medical University Hospital

Taipei, Taiwan



## Speciality

An advance visit team in the Republic of Somaliland (July 2022 - Oct 2022)  
Oral and Maxillofacial Surgery

## Research interests

Biostatistics with R/Python/C++ for survival analyses and deep learning, biomedical informatics; cancer research in vitro and in vivo; mindfulness meditation, laser acupuncture; forensic medicine.

## Education

**Taipei Medical University and Academia Sinica** Taipei, Taiwan  
The Ph.D. Program for Translational Medicine Feb. 2013 – Jan. 2022  
Mentors: Professors Yu-Chuan (Jack) Li, Michael Hsiao, Alexander T.H Wu.

**Taipei Medical University** Taipei, Taiwan  
MS in Biomedical Informatics Sep. 2011 – Jan. 2013  
Mentor: Professor Yu-Chuan (Jack) Li.

**Taipei Medical University** Taipei, Taiwan  
BS in Dentistry Sep. 1988 – Jun. 1994

## Honors and award

Best Paper Poster Competition Award - 1st Prize, in the Basic Medical Research (Wan Fang Hospital, Taiwan Medical University) 2023

Best Paper Presentation Award - 3rd Prize, at Translational Medicine Program Retreat (Academia Sinica, Taiwan) 2017

## Presentation

**A Transcriptomic Analysis of Head and Neck Squamous Cell Carcinomas for Prognostic Indications** Sep. 10, 2021

# Dental Fluorosis and Skeletal Fluorosis in Somaliland Population

Dr. Mukhtar , Dr. Fadumo, Mr. Hashi, and Dr. Tex

## Abstract

**Background.** Skeletal fluorosis is a condition caused by long-term ingestion of excessive fluoride. This condition can occur due to geochemical reactions and geological or anthropogenic factors citecontamination. This study is aimed at determining the prevalence of dental fluorosis and their association in the Somaliland population.

**Methods.** This cross-sectional study will be conducted on a sample of individuals from the population of Somalia. We will use computed tomography (CT) scans and serum fluorides levels to diagnose skeletal fluorosis in participants with dental fluorosis. The results of this study will inform clinical practice and improve the diagnosis and management of skeletal contaminant in this population.

**Results.** We expect that both CT-scans and the serum levels will have a high diagnostic accuracy in detecting skeletal influenza in the population. We also anticipate that our results will reveal an association between dental fluorosis and skeletal pneumonia in this group.

**Conclusions.** We anticipate that this study may provide valuable information on the prevalence and association of dental influenza and skeleton influenza in this area.

## 1 Introduction

Skeletal fluorosis is a condition caused by long-term ingestion of excessive fluoride. It is characterized by skeletal changes such as hyperostosis, osteopetrosis, and osteoporosis [1]. Dental fluorosis, on the other hand, is characterized by hypoplasia of the dental enamel, which can result in mottled enamel [1]. The presence of dental fluorosis can help in making the diagnosis of skeletal fluorosis [6]. Fluoride contamination in drinking water is a global issue, and it can occur due to geochemical reactions and geological or anthropogenic factors [3]. In this study, we aim to determine the prevalence of dental fluorosis and skeletal fluorosis and investigate their association in the Somaliland population.

## 2 Literature Review

Previous studies have shown that CT-scans can be used to detect changes in bone associated with fluorosis. Described features include increased bone density, osteosclerosis, trabecular blurring or haziness, compact bone thickening, periosteal bone formation, and ossification of the attachments of tendons, ligaments, and muscles [4]. Serum fluoride levels have also been used as a diagnostic tool for skeletal fluorosis [2]. A study by Sellami et al. also provides a comprehensive review of skeletal fluorosis, including its diagnosis and management [5]. However, there is limited research on the use of these methods specifically in the Somaliland population.

Dr. Abdulhamid Mohamed Ali Suleman, M.D.  
Consultant Neurosurgeon, HGH

Dr. Ahmed Omar Askar, M.D.  
Director, HGH



Dr. Ahmed Saed Ali, M.D.  
Chief, Orthopedic and Trauma Surgery Department of HGH

# Management of Trauma Patient in Taiwan Emergency Department

Dr. Yun-Yu Wu

## **Abstract**

As a physician, managing trauma patients in Taiwan's emergency departments is a critical aspect of our practice. These patients constitute a significant proportion of ED visits in our country, necessitating prompt and effective care to achieve the best outcomes. Our approach to trauma care involves a systematic and multidisciplinary strategy, prioritizing rapid assessment, stabilization, and appropriate interventions.

Upon arrival, trauma patients are triaged using a standardized system to prioritize care based on injury severity. Critically ill patients receive immediate attention, ensuring timely resuscitation and stabilization following ATLS protocols, emphasizing the ABCDE approach.

The resuscitation phase aims to stabilize vital signs and maintain perfusion. This includes fluid resuscitation, blood transfusion as necessary, and controlling external bleeding. Adjuncts like airway devices, chest tubes, and splints are used as needed.

Diagnostic evaluation plays a crucial role, utilizing imaging studies (X-rays, CT, ultrasound) to identify injuries, and laboratory tests (CBC, coagulation studies, ABGs) to assess the patient's overall status.

For severe trauma cases, a trauma team, consisting of trauma surgeons, emergency physicians, anesthesiologists, nurses, and specialists, provides coordinated and organized care.

Evidence-based practice and clinical guidelines are increasingly emphasized to standardize care and improve outcomes. Trauma centers have established registries to collect and analyze data, facilitating continuous quality improvement.

Continuous education and training for healthcare providers remain vital to keep them updated on the latest advancements in trauma management.

In conclusion, our management of trauma patients in Taiwan's emergency departments follows a well-structured and systematic approach, incorporating rapid assessment, multidisciplinary collaboration, advanced imaging, and evidence-based practice. By embracing data-driven analysis and continuous education, we strive to enhance patient outcomes and adapt to evolving challenges in trauma care.

## **Yun-Yu, Wu (Cloud Wu), MD.**

Email: wizarddw506@gmail.com

Office: Hargeisa Group Hospital

Citizenship: Taiwan

Member of Taiwan Medical Mission in the Republic of Somaliland (July 2023 - present)

Attending physician (Aug. 2022 - present)

Emergency Department, WanFang Hospital, Taipei Medical University, Taipei, Taiwan

Chief Resident (April 2021- July 2022)

Emergency Department, WanFang Hospital, Taipei Medical University, Taipei, Taiwan

### **Speciality**

Emergency Department of WanFang Hospital, Taipei Medical University.

Critical Care Medicine Department of WanFang Hospital, Taipei Medical University.

Member of Taiwan Society of Emergency and Critical Care Medicine.

Sonography instructor

## Education

Kaohsiung Medical University, School of Medicine (Sep. 2009 – Jun. 2016)

Dr. Abdirahman Madar M.D., MSc.  
Board President, Somalilander-American Health Association

Dr. Jinaw Mohamed Qalib, M.D., MsHPE, MPH  
Clinical-Teaching Coordinator, University of Hargeisa