



Global GOLD Forum

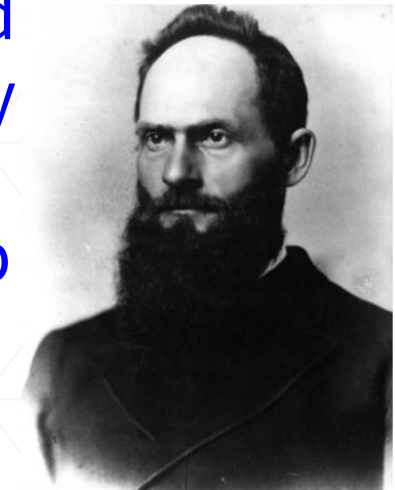
MacKay Memorial Hospital Tamsui Branch
New Taipei City, Taiwan
2022.10.19



Wei-Hsin Huang
Director of Family Medicine Department
MacKay Memorial Hospital

Introduction of Mackay Memorial Hospital

Mackay Memorial Hospital was established in memory of Dr. George Leslie Mackay, a Canadian citizen, arrived in Tamshui and began medical missionary work on June 1st, 1872. The Mackay Memorial Hospital was set up in 1911 and Tamshui branch was set up in 1972.



Dr. Mackay



The features and highlights of our hospital

1. MacKay tobacco cessation week event
2. Warning buzzer system for smoking
3. Tobacco cessation case management system



MacKay Tobacco Cessation Week

“MacKay Tobacco Cessation Week” has been held every year on May 31 since 2007 in our hospital to make the declaration of Mackay Memorial Hospital as a tobacco-free hospital



MacKay Tobacco Cessation Week Event



Making the declaration for a Tobacco-Free Hospital



Cancer screening services



Tobacco hazard prevention lectures



Mobile clinics for smoking cessation services



Counseling for tobacco cessation during MacKay Tobacco Cessation Week



Warning buzzer system for smoking

During the 2018 MacKay Tobacco Cessation Week, we invited city officials to initiate ceremony for the warning buzzer system



The warning buzzer initiation event



Inviting the New Taipei City deputy director of health to MacKay Tobacco Cessation Week event



“No Smoking” signs are placed throughout the hospital



The first-ever warner buzzer

In 2018, the first-ever warner buzzer was set up in our hospital in New Taipei City.



The warning buzzer initiation ceremony in 2018

Anyone who wishes to warn someone smoking in a prohibited area can press the buzzer.



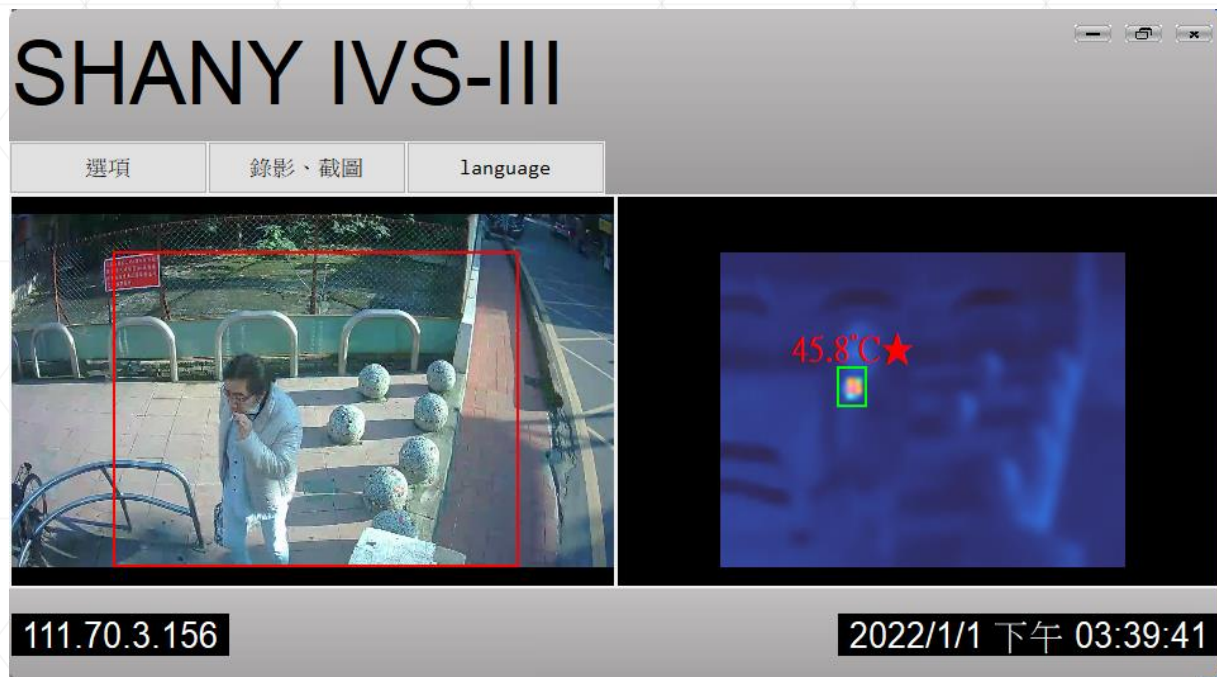
In 2020, it was upgraded to the infra-red version



Infrared detection of smokers in the area and automatic initiation of announcement for the public to stop smoking.



Infrared detection kit of smoking action



Receiving recognition for the warning buzzer system at the “Ministry of Health and Welfare Health Promotion Innovation Contest” event in 2019

AI時代！勸導禁菸『按一下』，就好

馬偕紀念醫院 家庭醫學科/社區醫學中心 盧欣隆主任 溫怡譚醫師

前言與背景

- 世界衛生組織指出，菸草在全世界每年奪去 800 多萬人失去生命，其中有 700 多萬人歸因於直接吸菸；有約 120 多萬人屬於吸二手菸的非吸菸者。
- 我國吸菸人口數約300萬人，每年因吸菸死亡人數約2萬5000人。
- 馬偕紀念醫院為我國的無菸醫院之一，但患癌外的花園區仍舊有吸菸者與煙，除了有礙觀瞻，也造成醫院因菸草廢棄而被罰款。

執行策略

- 警衛人員口頭勸戒菸者，容易造成與民眾口角衝突，若只派警衛小組巡邏警衛等不到勸戒菸者的效果，持續廣播宣導也可能因聽久了而無意。
- 為主動出發，減少衝突，並增加戒菸效果及維護院區無菸環境，才想到要設計全區廣播的「勸導禁菸鈴」。
- 「勸導禁菸鈴」設置2處：於台北花園-患癌門口六角亭/淡水馬偕-馬偕樓大門。

錄影

廣播

測量方法

- 固定每周統計清除菸蒂，並且進行評量。
- 每周計算清除菸蒂次數，分析清除高潮時間。
- 觀察吸菸者對廣播清除菸蒂的反應。

資源分工與策略規劃

108年七月
 總務處
 護理部
 檢驗科
 社區醫學中心
 醫務部
 資訊科
 警衛隊

優化行動
 主動清除
 宣導推廣

優化行動
 廣播清音
 社區民衆
 清除菸蒂

提供健康
 資訊
 民衆告知

警衛隊
 提高自覺
 提供戒菸
 資源諮詢

計畫成效與效益

表1. 淡水馬偕菸蒂量(Kg) - 警衛隊清除菸蒂量統計表

日期	108/7	108/8	108/9	108/10
第一週	6.4	6.9	6.2	5.8
第二週	7.1	5.4	7.1	6
第三週	6.8	6.1	6.8	5.5
第四週	6.3	6.8	5.8	
總計	26.6	25.2	26	17.3

表2. 淡水馬偕清除菸蒂量(Kg)統計表

日期	每日平均菸蒂量(g)
設廠前	275
108/8	215
108/9	206
108/10	189

一公斤 = 2000個菸蒂

計畫之整體價值

- 創新性**：全區廣播，廣播及錄影功能，按鈴不引注意，減少衝突，提供熱心民衆敬告管道。
- 公益性**：減少路人民眾吸入二手菸，提升健康，提高民衆健康意識，提升警衛職能，減少警衛催到檢舉的困擾，讓民衆更樂於配合。
- 未來性**：本計畫將命名為「年度執行成果」，全區各方廣播廣播執行檢討與修正，作為制定新一代勸導禁菸計畫之參考依據，將運用最新科技如AI辨識及熱點廣播，以減少人工統計的困擾。
- 推廣性**：廣播禁菸設置的經驗可推廣至安全醫院使用，並可以推廣設置在公共場所、車站、機場等民衆聚集與吸菸的公共場所。



Receiving recognition at the award ceremony

Contest poster



Tobacco Cessation Case Management System

Chart information includes a section on smoking history (include use of electronic cigarette)

During each outpatient visit, a screen reminder will pop-up and ask about the smoking status of the patient

癌症篩選提示 1070118V1

病歷號碼 [REDACTED] 年齡 43歲 確定(OK)

糞便潛血檢查
訊息提示內容

列印說明單 非篩檢病患(不適用) 他院已做過 有意願 暫時無意願

口腔黏膜檢查
本病患年齡符合檢查資格,若有抽菸(電子煙)或嚼檳榔且二年內未於本院做過【口腔黏膜檢查資格】,請建議您的患者依檢查說明單,指定科別診間地點檢查!

是否有抽菸(含電子煙)的習慣 是否有嚼檳榔的習慣

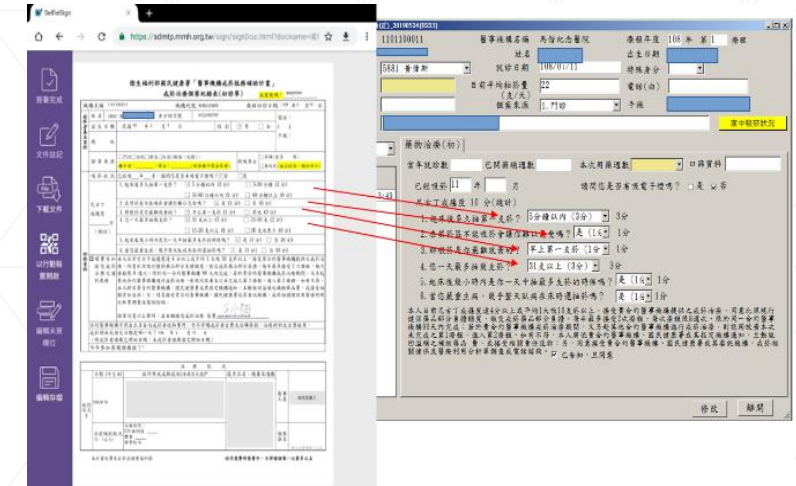
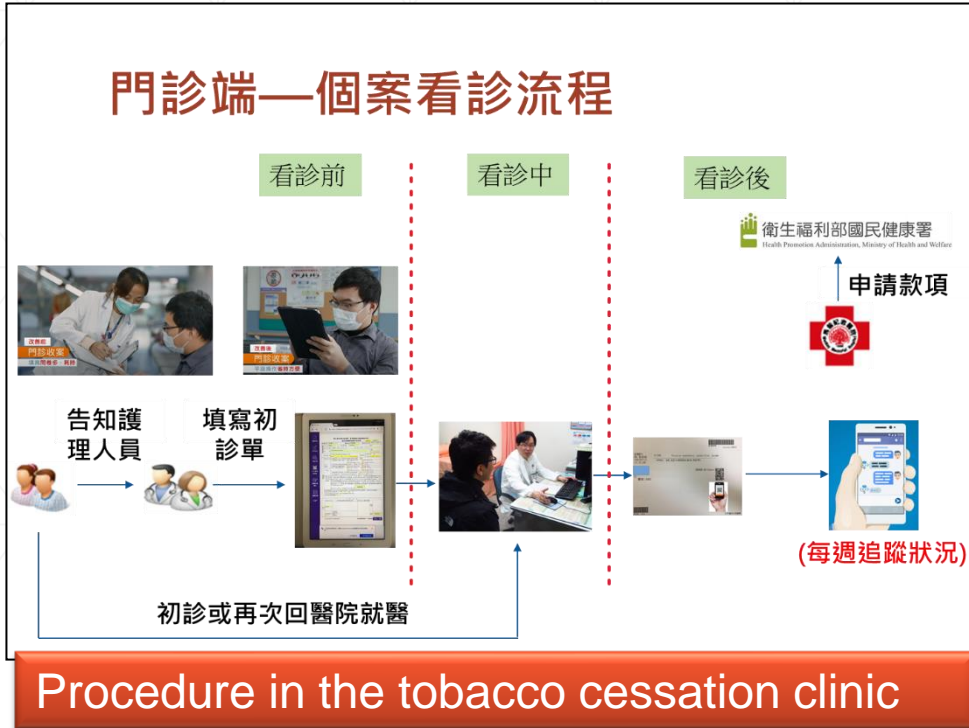
非篩檢病患(不適用) 非高危險群 他院已做過 有意願 暫時無意願

18歲以上檳榔暨吸菸健康行為登錄

是否有抽菸(含電子煙)的習慣 是否有嚼檳榔的習慣



Tobacco Cessation Case Management System



Electronic tobacco cessation record for the patient

Starting from 2018, “Tobacco Cessation Case Management System” was developed by the Information Management Office, Family Medicine Department, and Smoking Cessation Counselor Team.





Data transfer back to the information sheet

Check system to see if patient is eligible for enrollment

Check system to see if physician is qualified to prescribe tobacco cessation medications

Check system for medication usage

Prescription of the tobacco cessation medication

Prescription of the most suitable medication for the patient

The electronic system of tobacco cessation was showed and shared at Health Technology Exhibition in Taiwan from 12/4-12/7/2021



門診端



紙本收案電子化
簡化醫師看診流程

病房端



整合戒菸會診系統
節省衛教師資料整理負擔

戒菸個案端

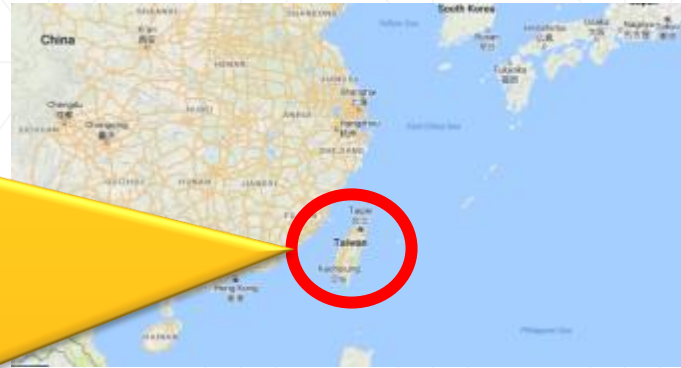


衛教追蹤便利化
提供民眾雙向溝通管道

“Tobacco Cessation AI helper”



Thank you!



TAIWAN

