

Create a Positive Patient Safety Culture

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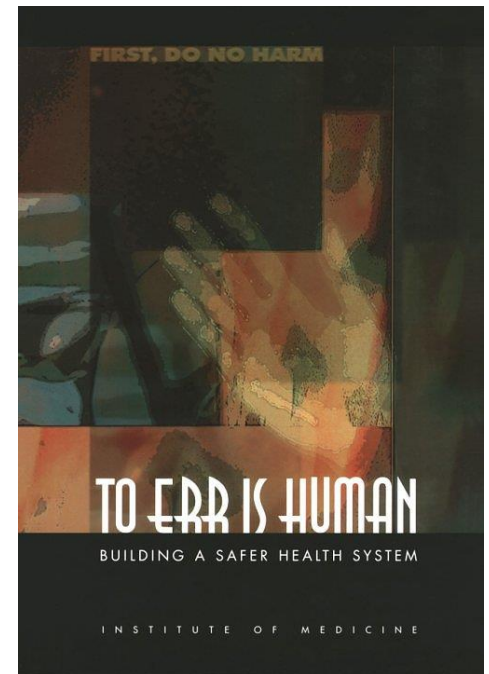
Future patient safety trend in
Taiwan

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Conclusion

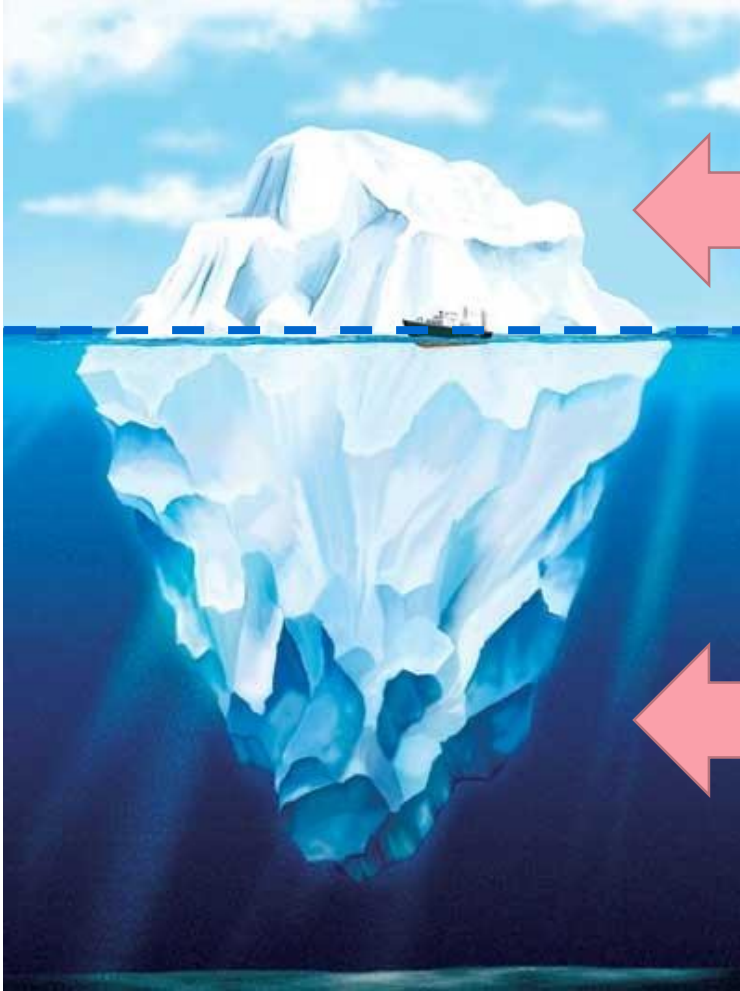
The U.S. Institute of Medicine

- Each year, around **44,000~98,000** people die as a result of preventable medical errors
- The **8th** leading cause of death in 1999
- About **\$170-290 billion / year**
- **Conclusion :**
 - Patient safety is a big problem
 - It usually is not the fault of healthcare providers
 - Most incidents are due to system failure



1999—To Err is Human

How about Taiwan



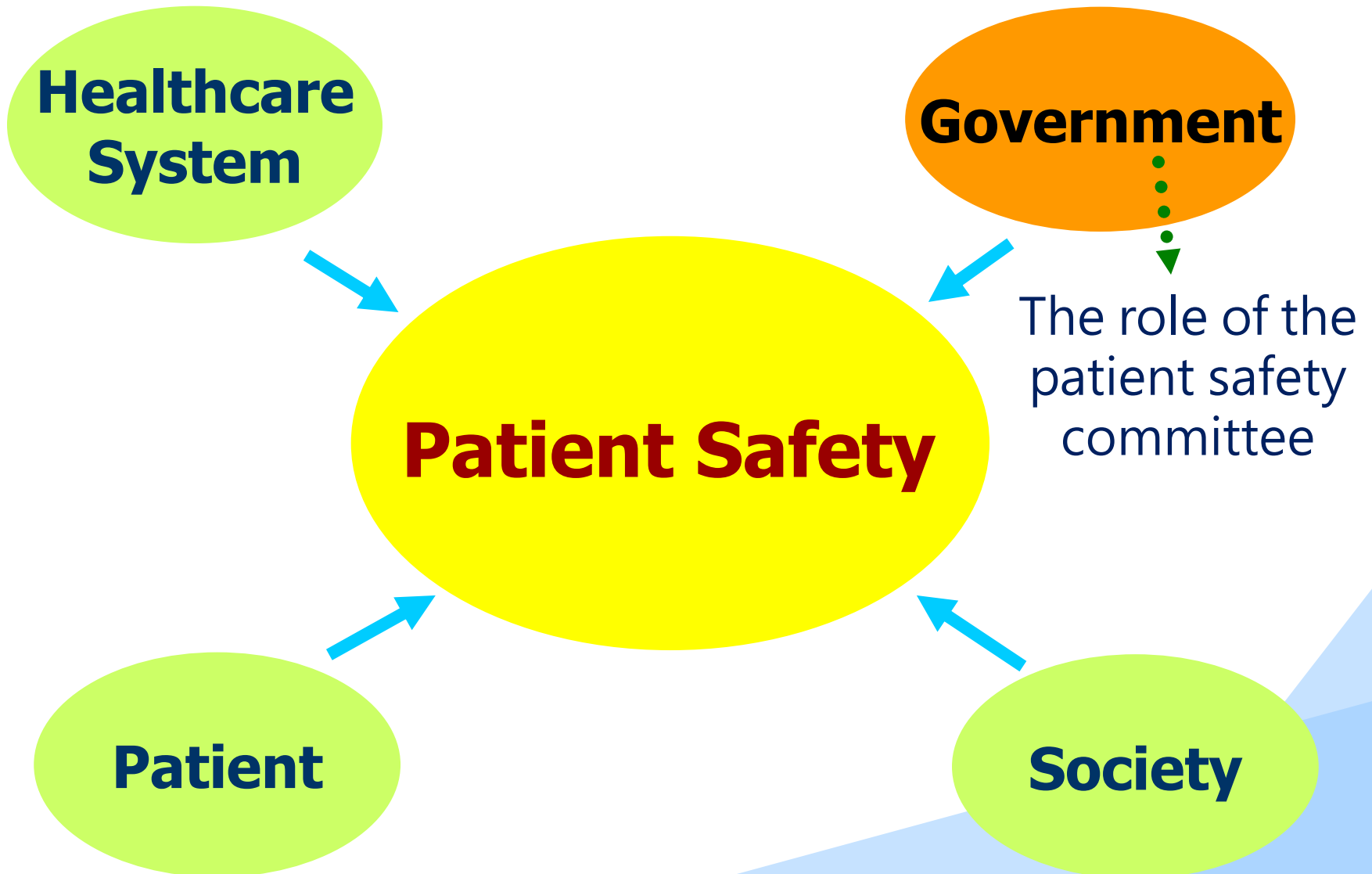
- **Year 2002**

- Beicheng Hospital Incident
- Love First Clinic Incident

**The medical malpractice
that has been exposed is
only the tip of the iceberg**

An iceberg uncovered

Create the Patient Safety System



The Patient Safety Committee Ministry of Health



It was established on 2003/8/17.

Patient Safety Goal in 2003

- **Action plans**
 - **Definition of “patient safety” related terms**
 - **Patient safety education**
 - **Planning and set up the notification system**
 - **Not using punishment as a means**
 - **Start with patient identification**

Patient Identification

- Active Identification
- Repeat check



A View from the Top on Patient Safety

- **The Annual Patient Safety Goals**
 - From 2004 to 2019, the annual goals from 5 items to be 8 items
- **Taiwan Patient safety Reporting system, TPR**
- **Patient Safety Awareness Week**
- **Shaping a new culture of doctor-patient relationship**
 - **Team Resource Management, TRM**
 - **Shared Decision Making, SDM**

The Annual Patient Safety Goals, 2018-2019

Goal	Item
1	Improve the efficiency of staff communication
2	Implement the management of patient safety events
3	Improve surgical safety
4	Prevent patient fall and reduce falling injury
5	Improve medication safety
6	Implementation of infection control
7	Improve inpatient tubing safety
8	Encourage patients and their families to participate in patient safety work



Taiwan Patient-Safety Reporting System

網頁通報
台灣病人安全通報系統
Taiwan Patient safety Reporting system

使用者登入

帳號：
密碼：

確定 重填

帳號申請 忘記密碼

最新消息 NEWS & EVENTS 訊息公告 BULLETIN

108年10月1日及108年10月2日舉辦「108年醫事人員回續學習分享課程」，歡迎踴躍參加!	2019-08-26
108年7月23日及7月26日「108年地區醫院病安通報及異常事件管理課程」請義開放下載!	2019-08-08
108年7月23日及7月26日「108年地區醫院病安通報及異常事件管理課程」，上課時數證明開放下載!	2019-08-02
「中小型醫院根本原因分析專案輔導課程」開放報名!	2019-08-01
台灣病人安全通報2019年第1季報表資料已於病安資訊網「統計報表」專區上架，歡迎下載!	2019-07-31
「基層診所病人安全目標推廣課程」借同辦理之申請辦法及課程公告~	2019-07-30
歡迎線上投稿台灣病人安全通報系統(TPR)警示訊息與學習案例!	2019-07-10
108年病人安全週將於10月13日至10月19日開跑囉，敬邀全國醫療院所共同參與響應!	2019-07-04
台灣病人安全通報2018年第4季報表資料已於病安資訊網「統計報表」專區上架，歡迎下載!	2019-04-25
107年度問卷調查報告公告	2019-03-04
台灣病人安全通報2018年第3季報表資料已於病安資訊網「統計報表」專區上架，歡迎下載!	2018-12-27

「台灣病人安全通報系統」以匿名、自願、保密、不究責、共同學習五大宗旨為出發點。本系統資料收集多方的病人安全相關經驗，進行趨勢分析並對醫療機構提出警示訊息及學習案例，建立機構間經驗分享以及資料交流之平台，進一步營造安全之就醫環境。

所有通報事件具有嚴重、急迫性，或有致醫療糾紛或法律責任之處，請您依院內流程儘速處理。

所有通報事件符合衛生主管機關或國家其他法律所規定須強制通報之事件，如「傳染病防治法」等，請您依法定流程儘速辦理；另藥事法規定藥物（藥品、醫療器材）引起嚴重不良反應，依法定期限向全國藥物不良反應通報中心通報（網址：<https://adr.fda.gov.tw/Manager/WebLogin.aspx>）。

員工針扎事件屬於勞工安全、職業災害，請通報至勞委會EPINET針扎防護通報系統。（網址：<http://meeting.ilosh.gov.tw/epinet/>）

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建議最佳顯示解析度為 1024*768
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台灣病人安全通報系統
Taiwan Patient-safety Reporting system
2016 年年報
Annual Report 2016

TPR

衛生福利部
Ministry of Health and Welfare, R.O.C. (TAIWAN)

財團法人醫院評鑑暨醫療品質策進會 編 印
Joint Commission of Taiwan

URL : <http://www.tpr.org.tw>

Patient Safety Awareness Week

- Every third week of October

Year	Subject
2017-2019	Doctor-Patient Relationship
2015-2016	Medication Safety
2013-2014	Prevent falling
2011-2012	Surgical Safety
2009-2010	Doctor-Patient Partnership
2007-2008	Hand Hygiene
2005-2006	Medication Safety
2004	Patient Safety Concept

From Patient Safety to Prevention Quality Enhancement

- High Quality of Vascular Access Care For Hemodialysis Patients in SKH
- Vascular Access is vital to Hemodialysis Patients



Early Detection, Early Intervention

- VA **surveillance** cover the shortage of VA monitoring
- Choose the **best VA surveillance method** for early detection of VA stenosis and early intervention

Goals of VA monitoring and surveillance

- 1 Early detection and early intervention of VA stenosis to **prolong VA survival**
- 2 Avoid severe **thrombosis** of VA
- 3 Decrease **newly VA** creation
- 4 Decrease **unnecessary** PTA

Level of VA surveillance

Better



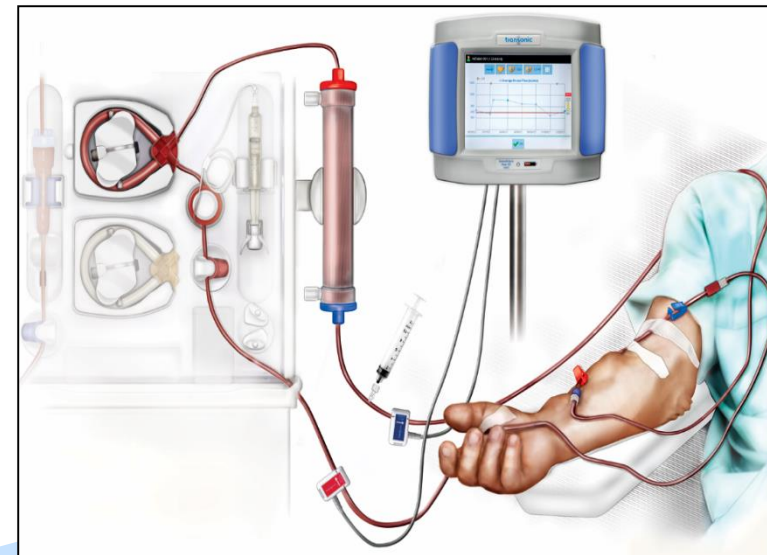
Poor

•VA **access flow**

•Static venous pressure

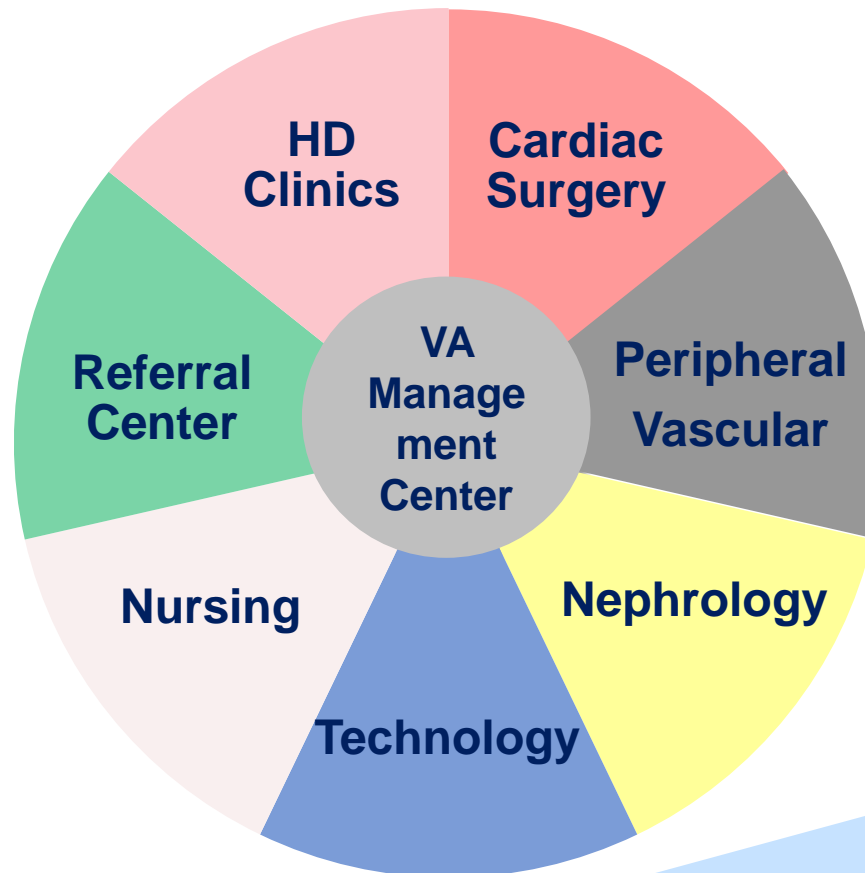
•Dynamic Venous pressure

•Recirculation

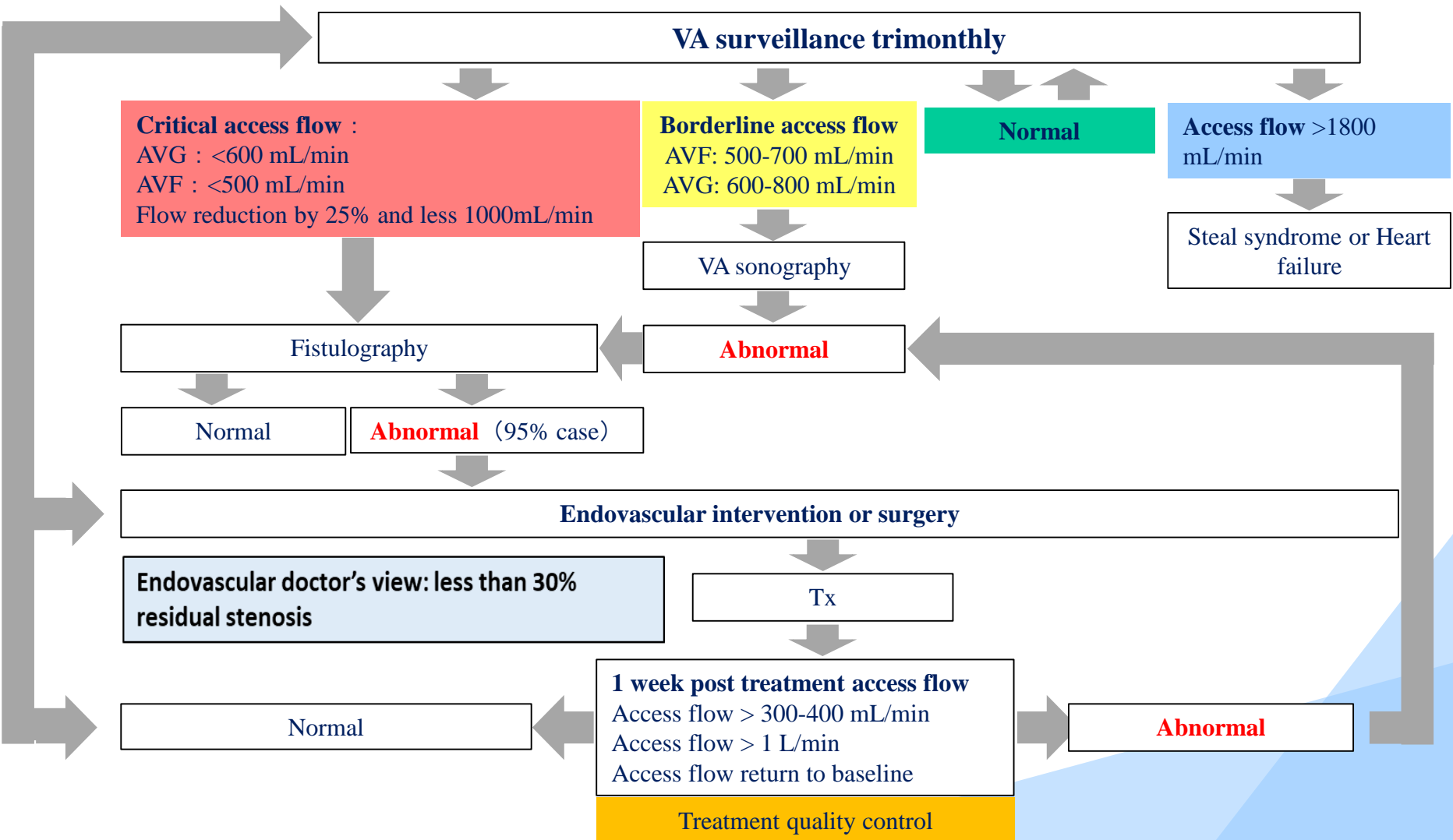


Multi-disciplinary Team

- Based on VA management center to integrate and make a clear plan



Well-designed VA Surveillance Flow Chart



Outcome

- Establish a VA problem Transfer note

新光醫院透析血管通路管理中心轉診單

院所: _____ 如安排瘻管攝影, 於_____年
 _____月_____日_____時_____分, 至新光醫院本院 B2 周邊血管中心。(如無痛球囊擴張術, 需報到前空腹四小時)

病患姓名: _____

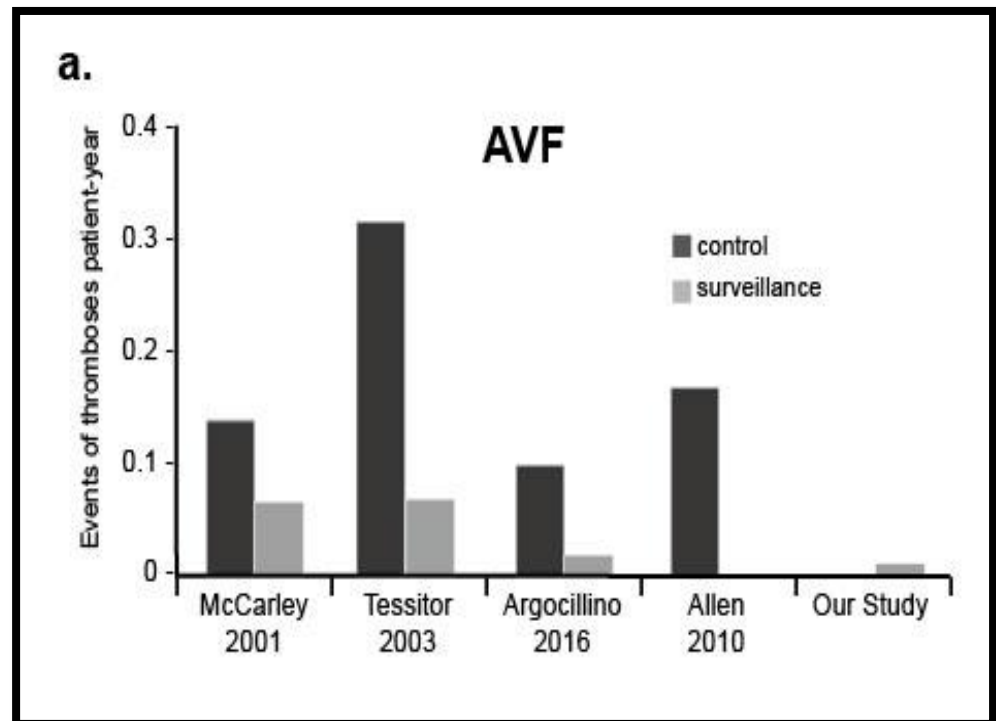
血管通路類型:
 自體瘻管 人工瘻管 雙迴路導管

血管通路位置:
 左邊 右邊
 前臂 上臂 肩頸部
 其他, 說明: _____

轉診原因:
 停掉了, 沒有震顫
 血管上針困難, 不易打針
 止血困難, 透析結束後止血超過 30 分鐘
 透析時, 流速不足, 有跳針情形
 透析時, 靜脈壓持續異常升高
 血管通路有血管瘤變化產生, 打針處血管逐漸腫大
 血管通路肢體較另一個腫脹, 兩手臂不一樣粗細或單側臉腫
 血管通路肢體、肩部、前胸有異常靜脈青筋增生
 透析時, 肢體疼痛或不適
 自體血管通路流量, 小於每分鐘 500cc
 人工血管通路流量, 小於每分鐘 600cc
 自體或人工血管通路流量, 較前次檢測值降低 25%, 且低於每分鐘 1000cc

自體血管通路流量, 每分鐘 500-700cc
 人工血管通路流量, 每分鐘 600-800cc
 自體或人工血管通路流量, 大於每分鐘 1800cc
 雙迴路導管反循環, 大於 10%, 且 $Kt/V < 1.2$
 其他, 說明: _____

- VA outcome in SKH : very very low events of thrombosis, perm-cath insertion and nearly 0 newly AVF and AVG creation



Strategy and Education

- Needle puncture technique

Rope-ladder



Button-hole



- Rope-ladder or button-hole puncture technique instead of area puncture to avoid one-site-it



Suitable Software and Hardware Devices

- Enough space for dialysis patient to treat
- High quality instruments and equipments
- Well-training vascular interventions



Honor and Certification of VA in SKH



- 2018 SNQ :
Vascular Access Surveillance-
based Full Care of Lifeline of
Hemodialysis Patients



- 2019 Disease-Specific
Care Certification of
nephrology

Quality Certification

Hospital
Certification

Disease
Certification

HQIC

SNQ



The slide features a central blue horizontal band containing the title. The background is white, with decorative clusters of semi-transparent geometric shapes (squares and rectangles) in shades of teal, light blue, and light orange in the top-left and bottom-right corners. The title text is dark blue and bold.

The Patient Safety in the Future

Joy in Work~ restoring joy to the health care workforce

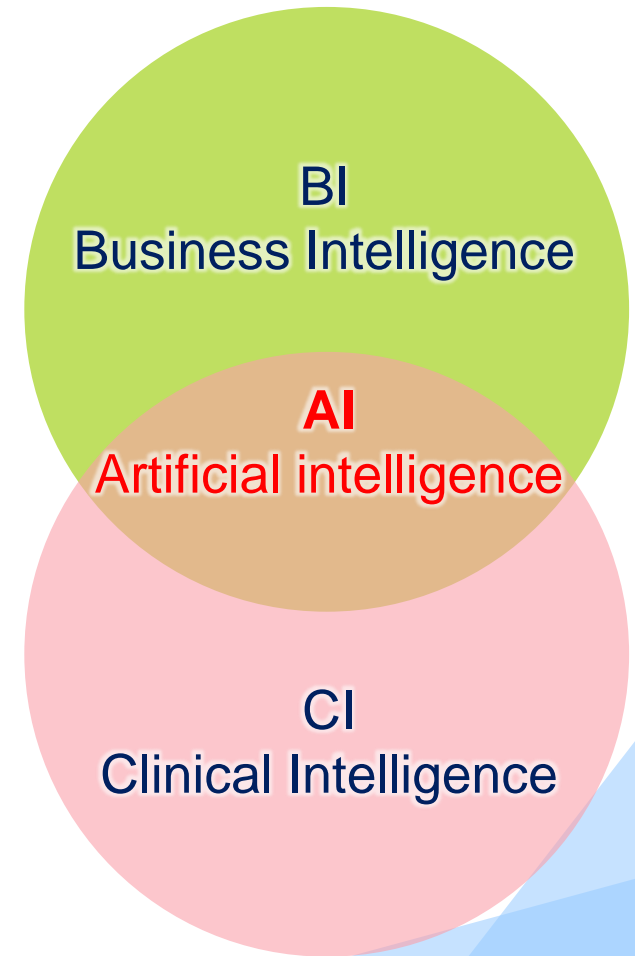


Happy
Companies

“AI-assisted” Patient Safety

- AI assisted healthcare
- AI medical devices for AI
- AI-enabled services:
distributed automated real-time analysis of medical images

Professor H. T. Kung
Harvard John A. Paulson School of Engineering and
Applied Sciences
Principal to Taiwan AI Academy





Knowing is not enough ;

we must apply.

Willing is not enough;

we must do.

—Von Goethe—



