Disaster Preshospital to ED

Dr. Constantine Au

MBBS (HK), MRCS (Edin), FHKCEM, FHKAM(EM), FRCEM

Hong Kong



Conflict of interest to declare: none



Crisis:

Road Traffic Accident

Infection

Multiple victims

Demand >>> Service available



Disasters in Hong Kong













When and how did crisis management start in Hong Kong?

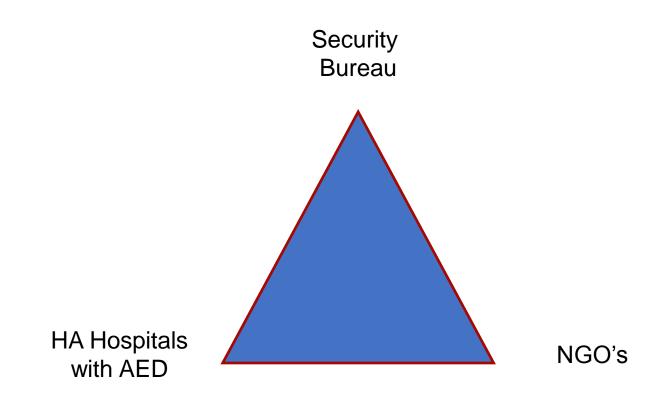




1992 - 1993



INTERCONTINENTAL EMERGENCY MEDICINE CONGRESS INTERNATIONAL CRITICAL CARE AND EMERGENCY MEDICINE CONGRESS





Security Bureau Circular No. 3/2007

CONTINGENCY PLAN FOR NATURAL DISASTERS

(INCLUDING THOSE ARISING FROM SEVERE WEATHER CONDITIONS)



Prevention / Preparation

Law enforcement Drills/Training Standardization of training, equipment and protocols



Event Management -Location (time) Service Overall Demand



Post-event Evaluation



Advance planning is crucial – anticipation e.g. Airport Accident, Railway



Manpower and resources – be prepared



Public Engagement - the use of lay-volunteers e.g. St. John Ambulance, Red Cross.

Ensure that a plan for managing volunteers – training and drills





At the hospitals and institutional level



expand staff capacity

contingency plans

A disaster happened



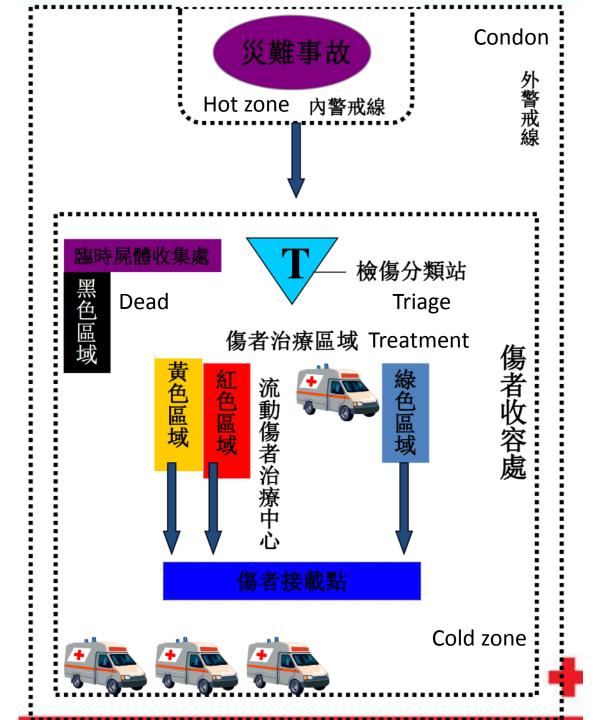




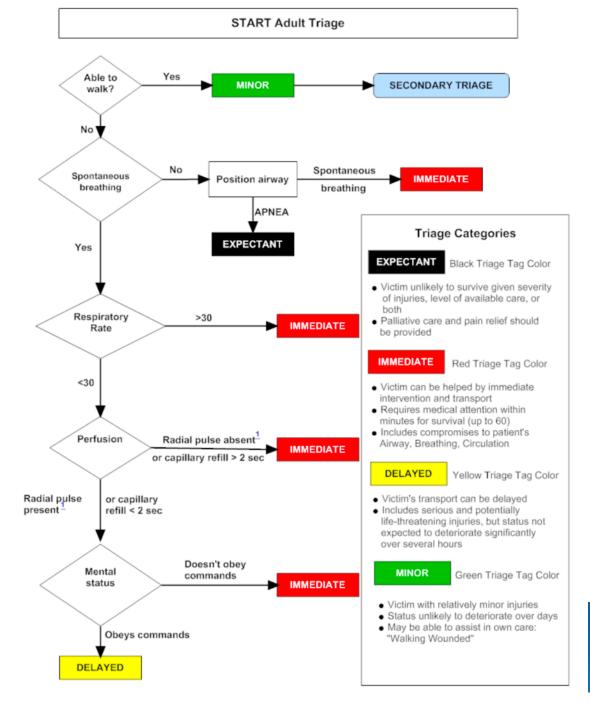
















TH 19-22 April 2018 Kaya Palazzo Golf Resort Hotel

INTERNATIONAL CRITICAL CARE AND EMERGENCY MEDICINE CONGRESS



人體圖 (傷勢類別) =傷口wound B = 燒傷Burns # = 骨折Fracture H =出血Haemorrhage |=內出血internal haemorrhage (H)





Ambulance Incident Officer

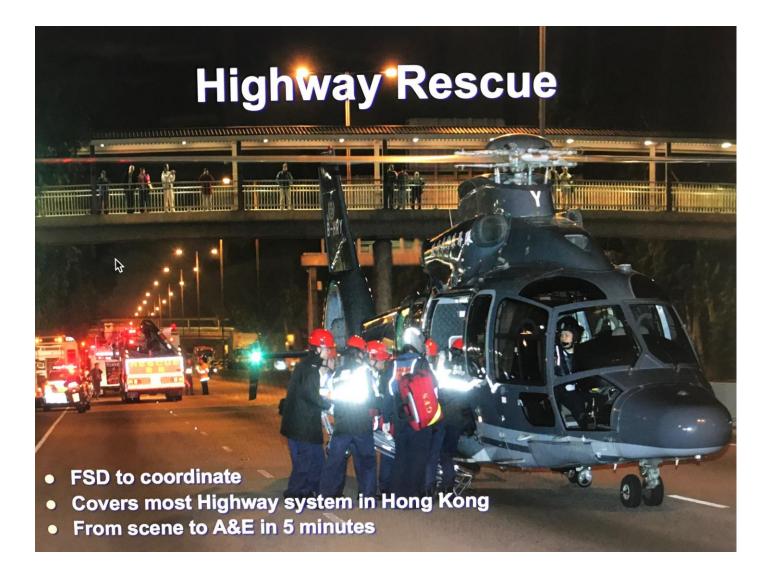


19-22 April 2018 Kaya Palazzo Golf Resort Hotel

INTERCONTINENTAL EMERGENCY MEDICINE CONGRESS INTERNATIONAL CRITICAL CARE AND EMERGENCY MEDICINE CONGRESS



Ambulance Loading Zone







Treatment Area for Green







NGO's /Lay-volunteers















Trauma Centres in Hong Kong





Queen Elizabeth Hospital

Kowloon Centre Cluster

1800 + beds Over 4000 staff







Drills

Airport Railway













SARS in 2003





19-22 April 2018 Kaya Palazzo Golf Resort Hotel TH

INTERCONTINENTAL EMERGENCY MEDICINE CONGRESS INTERNATIONAL CRITICAL CARE AND EMERGENCY MEDICINE CONGRESS





INTERCONTINENTAL EMERGENCY MEDICINE CONGRESS INTERNATIONAL CRITICAL CARE AND EMERGENCY MEDICINE CONGRESS



10/11/2009 vs. 1992/93

部份死傷者名單 姓名:葉君媛(17歲) 傷勢:/ 情況:死亡

姓名:沈志超(21歲) 傷勢:右手臂及身體右側 情況:危殆、伊利沙伯醫院留醫

姓名:鍾嘉豪(20歲) 傷勢:不詳 情況:危殆、伊利沙伯醫院留醫

姓名:王詩緣(23歲) 傷勢:右前臂被削斷、右腳重創 情況:危殆、伊利沙伯醫院留醫

姓名:彭企東(41歲) 傷勢:頭部受傷及腦積血 情況:危殆、伊利沙伯醫院留醫

姓名:廖卓梅(24歲) 傷勢:不詳 情況:危殆、威爾斯親王醫院留醫

姓名:黃杏儀(19歲) 傷勢:不詳 情況:危殆、威爾斯親王醫院留醫 ▶









Disaster outside Hong Kong

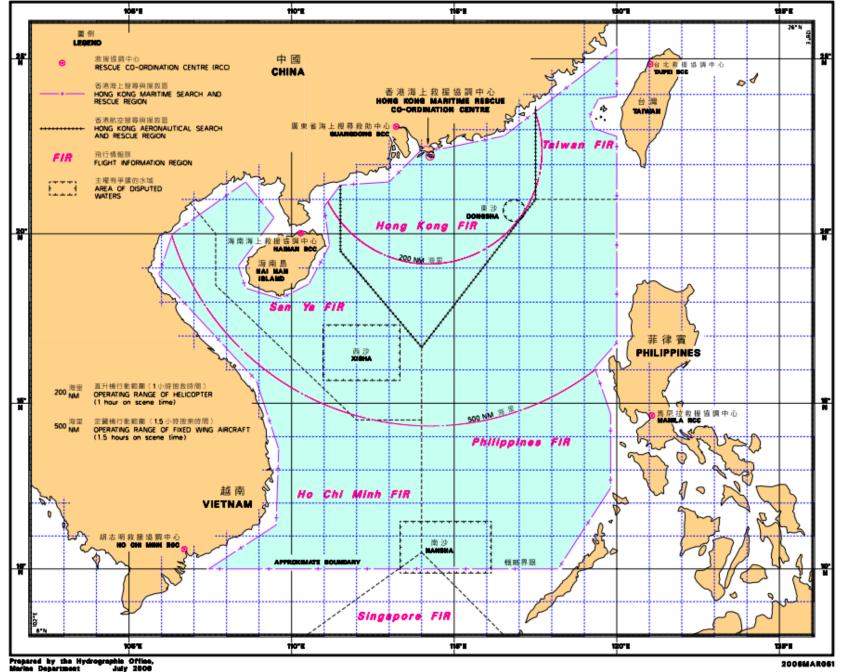


Hong Kong Maritime Rescue Coordination Centre

the area includes international water lying to the north of latitude 10° north, to the west of longitude 120° east, and bounded by mainland China, Vietnam, the Philippines and Taiwan.



香港海空搜尋與援救區 示意 圖 INDICATIVE MAP FOR HONG KONG MARITIME AND AERONAUTICAL SEARCH AND RESCUE REGION



ATIONAL EMERGENCY MEDICINE IGRESS 19-22 April 2018 Kaya Palazzo Golf Resort Hotel - TH INTERCONTINENTAL EMERGENCY MEDICINE CONGRESS INTERNATIONAL CRITICAL CARE AND EMERGENCY MEDICINE CONGRESS

Government Flying Service (GFS)

1st April 1993 immediately after the disbandment of its predecessor, the Royal Hong Kong Auxiliary Air Force









Fixed-wing Aircraft (Jet Stream - 41)

General Specification :

Maximum All-Up-Weight

Maximum Speed

Maximum Speed

Endurance

Radius of Action

: 24,000 lbs (10,886 kg)

: 295 kts

: 5818 lbs – Jet A1

B-HRT 000: 6 hours with diversion fuel

: 500 nautical miles (1 hr 30 min on scene time)

350 nautical miles (2 hr 30 min on scene time)

Crew

: 2 Pilots + 1 Aircrewman Officer

sto.

Maximum no. of Passengers : Five



INTERCONTINENTAL EMERGENCY MEDICINE CONGRESS INTERNATIONAL CRITICAL CARE AND EMERGENCY MEDICINE CONGRESS

Challenger CL605



EC 155 B1

General Specification

Maximum All-top-Weight : Maximum / Cruise Speed Fuel Capacity

Endurance

Radius of Action Crew Seating Capacity : 140 nm

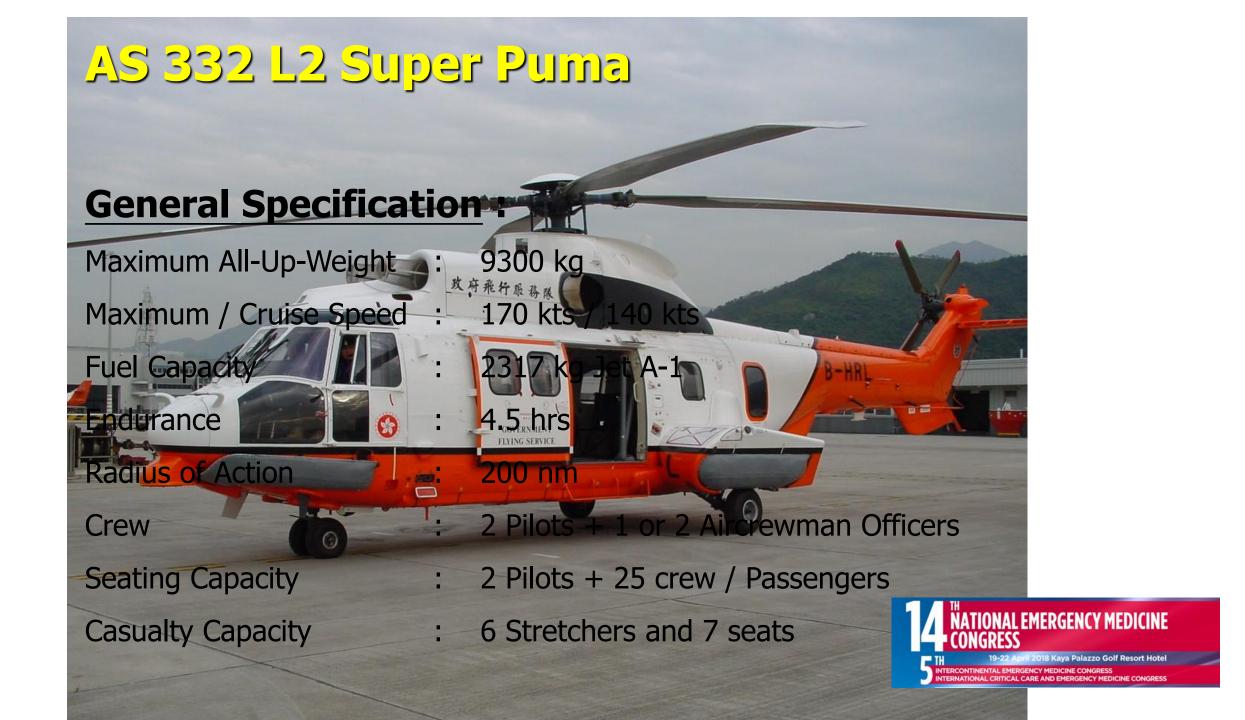
-

3 hrs

48568

- 1 or 2 Pilots + 1 or 2 Aircrewman Officers
- : 2 Pilots + 13 crew / passengers





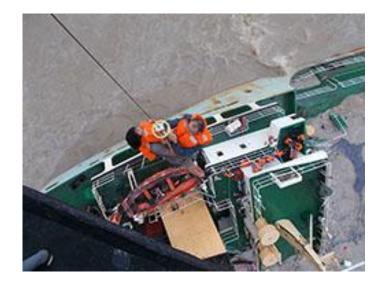
15 nautical miles South West of Hong Kong severe typhoon HATO













Development







DISASTER PREPAREDNESS IN HONG KONG



November 2016 (updated) A Scoping Study

François-Xavier Bagnoud Center for Health and Human Rights Harvard T. H. Chan School of Public Health Harvard University





architecture for humanitarian crisis and disaster management





DISASTER AND MEDICAL HUMANITARIAN RESPONSE SUMMER INSTITUTE 2018

POPG 5006 DISASTER AND HUMANITARIAN CRISIS 19 - 22 JUNE 2018



Fochiz, Prof. Emity VT CHAN (Professor: JC School of Public Health and Primaty Core, CUNK) Nr. Greue Pang CHU (Nurse, Collaborating Centre for Oxford University and CUNK for Disaster and Medical Humanicarian Response) Nr. Keyin UV (Senior Rostarch Assistant, Calaborating Centre for Oxford University and CUNK for Disaster and Medical Ramanitarian Response)

This course affers an oversieve of the disaster management cycle and the public health and medical implications of disaster and humanitarian crisis. It aims to show how public health principles may be applied in disaster relief and how evidence based health related humanitarian actions can be glamed, implemented and evaluated.

POPG 5014 RESEARCH METHODOLOGY FOR DISASTER AND MEDICAL HUMANITARIAN RESPONSE 23 JUNE, 3 - 4 JULY 2018

Faculty: Prof. May PS YEUNG (Assistant Professor, JC School of Public Health and Primary Care, CUHX).

Participans will understand the principles of planning, implementing, and disseminating reserves in the context of disserver and human meetings. It also to show how public health and research orthologies can be applied.

POPG 5013 GLOBAL HEALTH PERSPECTIVES OF HUMANITARIAN CRISIS & HUMAN SECURITY 5-7, 9 JULY 2018

Foculty: Prof. Emily YY CHAN (Professor, JC School of Public Health and Primary Lare, CUNK)

Dr. Nevia ZAGARIA (World Health Organisation Representative in Yemen) Dr. Sellon LO (Senior Editor, The Loncet)

Prof. Sanoj RAJAN (ICCR India Chair Visiting Professor and Visiting Scholar, Faculty of Law, (UHK)

Through various real-life case studies and practical applications, this course will provide participants with an understanding of how the human security and health security concepts are applied in public health practices, eagerfaily under emergencies and disasters.

WHERE TO STUDY?	WHO CAN APPLY?	HOW TO ENROLL?	ENQUIRY
JC School of Public Health G Primary Care, Prince of Wales Hospital, Shatin, N.T., Hong Kong (8mins walk from City One MTR Station)	 Bachelor degree holder of all disciplines Competent in English (The course will be taught in English with interactive discussion throughout the lectures) 	Apply via the following link by 30 April 2018. http://bit.ly/2CZLzYd Places are limited to first-come-first- serve basis. Results will be released around 1 week after application deadline.	Dr.Tony Yung (Senior lecturer, CUHK) Email: yungtonywcuhk.edu.h Tel : -852 2252 8468 WEBSITE Check out more at www.ccouc.org
The The	些賽馬會慈善信託基金 Hong Kong Jockey Club Charitie: # Re REAMO HIGH TOGETHER	Trust	HKJCDPRI









Monitoring of high risk areas

Disaster Assessment

Logistics Montoring

Equipment like liferaft



Thank you!

