<u> 專責委員會(2)文件編號:H149</u>

SC2 Paper No.: H149

BY FAX



HOSPITAL

Quality Patient-Centred Care Through Teamwork

群或群力爲病人·後質醫證滿杏林

6 May 2004

Clerk to Select Committee Legislative Council HKSAR

(Attn: Miss Flora TAI)

Fax: 2248 2011

Dear Miss TAI,

#### TPH SARS IC Audit Report

As requested, I attach the Tai Po Hospital SARS Infection Control Audit Report.

Yours sincerely,

(Dr TUNG Sau-ying)
Hospital Chief Executive
Tai Po Hospital

Encl.

SYT/ws

#### **New Territories East Cluster** Tai Po Hospital **SARS Infection Control Audit Report**

- 1. Aim: To assess staff compliance of infection control against SARS in TPH
- 2. Date of audit: 30.4.2003
- 3. Methodology:
  - Instrument Audit checklist modified from NTEC
  - Target areas being audited
    - Dept of Psychiatric: 1A, 2AR, 2BR, 2C wards
    - Dept of Medicine & Geriatric: 1DL, 3AL, 3BR, 3DR, 3DL wards
    - Dept of Orthopaedic Rehabilitation: 3CL ward
- 4. SARS Prevention Audit Team Members:

Ms Helena LI, GM (N), TPH

Ms Amy CHAN, WM (NDH)

Ms Alice WONG, Lecturer, IANS

Ms Imelda LEUNG, NO (RM & PRD, NTEC)

Ms Sunny SUN, NO (DOR, TPH)

Ms Shirley MOK, NO (CND, TPH)

## 5. Audit Results - Non SARS clinical areas

(A) Environment, equipment and consumables

tems	Source of information	Compliance	Remarks
ika sangangga san	lenous rou	1	
Ventilation - adequate and suitable	Observe	100%	
Air outlet - clean regularly and in good condition	Observe & ask	90%	1. Frequency: unknown
Air filter - change regularly	Ask	90%	2. Dusty air outlet in one ward
Wall suction - clean	Observe	100%	
Floor: clean and dry	Observe	100%	
Specimen - In & out trays: adequate distance apart (at least 3 feet apart)		70%	Specimen out-tray is too close to document in-out trays
A PROPERTY OF THE SELECTION OF THE SECRETARY OF THE SECRE			
NYO masks	Observe	100%	
Surgical masks	Observe	100%	
	Observe	100%	
Disposable gown	Observe	100%	
Alcohol hand rub	Observe	<del></del>	N/A in five wards
Alcohol wipe	Opserve	90%	1. N/A in one ward;
			2. Shortage of supply in one ward;
			3. To use alcohol wipe only without running water for hand-
Dad waste here			washing in one ward
Red waste bag	Observe	80%	Inadequate supply of large red bags

Section 22 registry to produce a grown engage as			and the second
	Ask in-charge	100%	
Surgical masks - adequate	Ask in-charge	100%	
Gloves - adequate	Ask in-charge	100%	
Disposable gown – adequate	Ask in-charge		
	Ask in-charge		No supply in four wards
Alcohol wipe - adequate	Ask in-charge		No supply in two wards
Goggles / visors – adequate	Ask in-charge		
Red waste bag - adequate	Ask in-charge		Inadequate supply of large red bags
A Sideograph (CP) and a second control of	7.7		
N95 masks - proper storage	Observe	80%	New N95 masks were kept in sluice room
<u> </u>			2. Improper storage of reused N95 mask
Surgical masks - proper storage	Observe	100%	
Gloves - proper storage	Observe	100%	
Disposable gown – proper storage	Opacine	100%	
Alcohol hand rub – proper storage	Observe	50%	No supply in five wards
Alcohol wipe - proper storage	Observe	90%	No supply in one ward
Goggles / visors - proper storage	Observe	100%	
Red waste bag - proper storage	Observe	<del></del>	
Subservices in the second seco			
Hypochlorite solution 1000ppm is used for	Ask supporting	80%	Two domestic staff did not know the dilution of hypochlorite
disinfection	staff		solution
Thorough cleansing of all clinical areas is performed		70%	1. No routine cleansing of patients' and staff's chairs
at least three times per day.	staff"		2. No plastic cover and routine cleansing of Karaoke
<u> </u>			microphone for patients.
	N95 masks – adequate  Surgical masks – adequate  Gloves – adequate  Disposable gown – adequate  Alcohol hand rub – adequate  Goggles / visors – adequate  Red waste bag – adequate  N95 masks – proper storage  Surgical masks – proper storage  Gloves – proper storage  Disposable gown – proper storage  Alcohol hand rub – proper storage  Alcohol wipe – proper storage  Goggles / visors – proper storage  Red waste bag – proper storage  Red waste bag – proper storage  Red waste bag – proper storage  Thorough cleansing of all clinical areas is performed	N95 masks – adequate  Surgical masks – adequate  Gloves – adequate  Disposable gown – adequate  Alcohol hand rub – adequate  Alcohol wipe – adequate  Goggles / visors – adequate  Red waste bag – adequate  Surgical masks – proper storage  Gloves – proper storage  Observe  Gloves – proper storage  Observe  Observe  Alcohol hand rub – proper storage  Alcohol hand rub – proper storage  Alcohol hand rub – proper storage  Observe  Alcohol wipe – proper storage  Observe  Alcohol wipe – proper storage  Observe  Observe	N95 masks – adequate  Surgical masks – adequate  Gloves – adequate  Disposable gown – adequate  Ask in-charge  Ask in-charge  100%  Ask in-charge  80%  Ask in-charge  80%  Goggles / visors – adequate  Red waste bag – adequate  N95 masks – proper storage  Observe  Cloves – proper storage  Observe  100%  Cloves – proper storage  Observe  100%  Alcohol hand rub – proper storage  Observe  100%  Alcohol hand rub – proper storage  Observe  Observe  100%  Alcohol wipe – proper storage  Observe  Observe  100%  Observe  100%  Alcohol wipe – proper storage  Observe  Observe  100%  Obse

Temperature of bedpan washer is 80-85°C.	Observe	90%	1. Out of order in one ward
No nebulizer / BIPAP / CPAP is being used for suspected / confirmed SARS patients.	Observe	100%	2. Staff worried about the steam coming out bedpan washer
 Clean and dirty items are kept far apart (at least 3 feet apart).	Observe	50%	Both clean and dirty items were put in sluice room and dirty utility room
Patients' toilet - Cleanliness	Observe	90%	The flushing system was out of order in one ward
 Staff's toilet - proper infection control measures	Observe	100%	S -/ was out or order in one want

#### (B) Ward practice

	information	Compliance	Remarks
As a Magazirani safetapected congretable SAR hour forthe			
in single isolation room / patient cohort	Ask	100%	
Santa Priscognicodo a sa a 1			
putting on barrier protective apparel	Observe	100%	
B Brotoctto apparei	Observe		N/A in five wards
cast Median SAC Barret Perfective Agency, 1983	7	5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	Observe *staff	100%	Four medical staff were observed:
Gowns	Observe *staff		1. Two of them did not change PPEs before entering into the
N95 mask	Observe *staff		wards
+/- Goggles / visors	Observe *staff	100%	2. One of them did not cover the back and the hair completely with PPEs.

in the state water Cause Cassas against and a	77.00.44		THE ROWSE TO SEE
GIOVES	Observe "staff	100%	
• Gowns	Observe *staff		
N95 mask	Observe staff		
• +/- Goggles / visors	Observe *staff		
B Alliediederan Sinn Barrier Braileanne Apparen		10070	
Gloves	Observe *staff	100%	Only one allied health staff was observed
• Gowns	Observe *staff		l compone afficia fication start was observed
N95 mask	Observe *staff		
• +/- Goggles / visors	Observe *staff		
D. O. Supporting State Executive Languages of Application		10078	
• Gloves	Observe *staff	100%	
• Gowns	Observe "staff"	<del></del>	
		3070	One supporting staff did not cover the back completely with
• N95 mask	Observe "staff"	90%	gown.
• +/- Goggles / visors	Observe *riaff	100%	One supporting staff's N95 mask slipped down
Carting and a ca		100/0	
<ul> <li>Handwashing technique</li> </ul>	Observe	100%	
h Donas I. 1	Observe	100%	

E	1 Vitage 2 3			
<u> -</u>		Observe	100%	
		Observe	80%	Not applicable in five wards because patients were either female or male on diaper     A full urinal was observed hanging on the bedside rail
	Excreta are handled properly: Bedpan(s)	Observe	100%	Not applicable in three wards because patients were either ambulatory or on diaper
_		Observe	70%	1. Clean linen was put on dirty linen trolley
<u> </u>	Linens are handled properly: Soiled linen	Observe	70%	2. Clean linen was put in sluice room and dirty utility room
•	Medical records are kept in trolley(s).	Ористе	100%	par in trainer toom and duty utility room
•		Observe	100%	
•	<b>X</b>	Observe	90%	A too many weed a set of the set
•	No touching of eye, nose & mouth with gloved hand	Observe	100%	A tea-room was located opposite to cohort area.
•	1	Облетие	100%	

(C) Patient Care Handling

160	B		(complete)	essential and Kemarkata
• 		Ask	100%	
	Taking temperature - proper infection control measure	Ask	100%	
	Chest physiotherapy - proper infection control measure	Observe / Ask	N/A	
	Suctioning - proper infection control measure	Observe & Ask	100%	
	Administration of drug(s) - proper infection control measure	Objerve & Ask	100%	
	Transferring of patient – proper infection control measure	Observe	90%	Serco staff without gown-up transferred patients into the
	Garden parole - proper infection control measure	Observe Ask	N/A	wards

### (D) Record keeping

	Source of information	Compliance	Remarks
<ul> <li>Updated record of staff training on Infection Control is kept.</li> </ul>	Check record	100%	Recorded in Staff Rostering System
Updated record of sick leave.	Check record	100%	

#### (E) Patient / Visitor Compliance

Items	Source of information	Compliance	Remarks
Tropodici. Saigion illask	Observe *patient	80%	Some patients were not cooperate in putting on masks
Trateonive Apparent Surgical Intak	Oheerve visitor	N/A	
<ul> <li>No direct contact with case notes / X ray films.</li> </ul>	Observe *patient	100%	

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# 6. Common observed problems and Recommendations

Common observed problems	Recommendations
Environment, equipment and consumables     Air flow: most of auditees did not know the direction of air flow inside clinical areas     Wall suction: not wrap / cover with plastic bag when not in use	- Ward staff should know the air flow in ward so that they have better bed arrangement of patients with respiratory infectious disease - Advised to cover the unused suction bottles / tubings when not in use
Setting of PPEs at the entrance of ward     No alcohol hand rub was available because of no supply from pharmacy	- Supply of alcohol hand rub to all wards from Pharmacy to all wards .
Stock of long red waste bags     Insufficient large red waste bags were supplied	- Assess the adequate amount of large red waste bags and make requisition accordingly
Dilution of disinfectant     No accurate measurement of hypo 6 (Domestic staff)	- Close monitoring of domestic staff is advised .
5 Handwashing - Staff turned off water tap without paper hand towel	- Close monitoring of the compliance by ward ICO frequently
6. Handling of clean and soiled linens - clean linens were stored in sluice room	- Ward ICO should reinforce the concept of clean and dirty zone in ward
- clean & soiled linens were put in the same linen trolley	- Put away all clean linens from sluice room - Separate clean from soiled linens

	Common observed problems	Recommendations
7.	Putting on PPEs - 2 SARS team Medical Staff put on PPEs in and out of the ward - Some staff's back were not covered by disposable gown	- Reinforce the infection control measures - Advise to establish a buddy system to check the staff putting on PPE - Advise to install a long mirror in the gowning area
8.	Others:  8.1 Disposable gown: staff in 4 audited wards putting on double gowns (blue & white coloured gowns)	
	<ul><li>8.2 Latex gloves: some domestic staff put on double latex gloves</li><li>8.3 Knowledge of infection control measures:</li></ul>	- Advise to follow NTEC Infection Control Policy
	<ul> <li>a domestic staff mixed up the sequence of removal of PPEs</li> <li>some domestic staff who collected the rubbish bags &amp;</li> </ul>	3
	clinical wastes put on the same set of PPEs in & out from one ward to another  8.4 Staff rotation: domestic staff were rotated frequently (reflected by ward i/c). Hence the newly deployed staff was not familiar with infection control practice in ward. It caused additional	ed - Domestic staff's rotation should be minimized.
	workload of nurses to provide training to them  8.5 Mat for shoes: some wards used bed sheets soaked with hyporas the floor mat for shoes cleansing while in & out the ward.	There is no evidence to indicate that the hypo 6 mat is useful for infection control. It is advised to stop the existing practice promptly
	8.6 Ward hygiene most of the wards did not have schedule of routine cleansing chairs, bedside rails, rims of bed	
	<ul> <li>8.7 Staff hygiene</li> <li>some staff put on non-essential ornaments such as brace</li> <li>most of the staff wore wrist watch</li> </ul>	celet - Advise to minimize the non-essential ornaments - Advise not to put on wrist watch. Check the timing from the clock
	<ul> <li>8.8 Collection of wastes &amp; dirty linens</li> <li>domestic staff need to go inside individual ward to collected wastes and dirty linens. The collected wastes / linen would be traveled from ward to ward</li> </ul>	