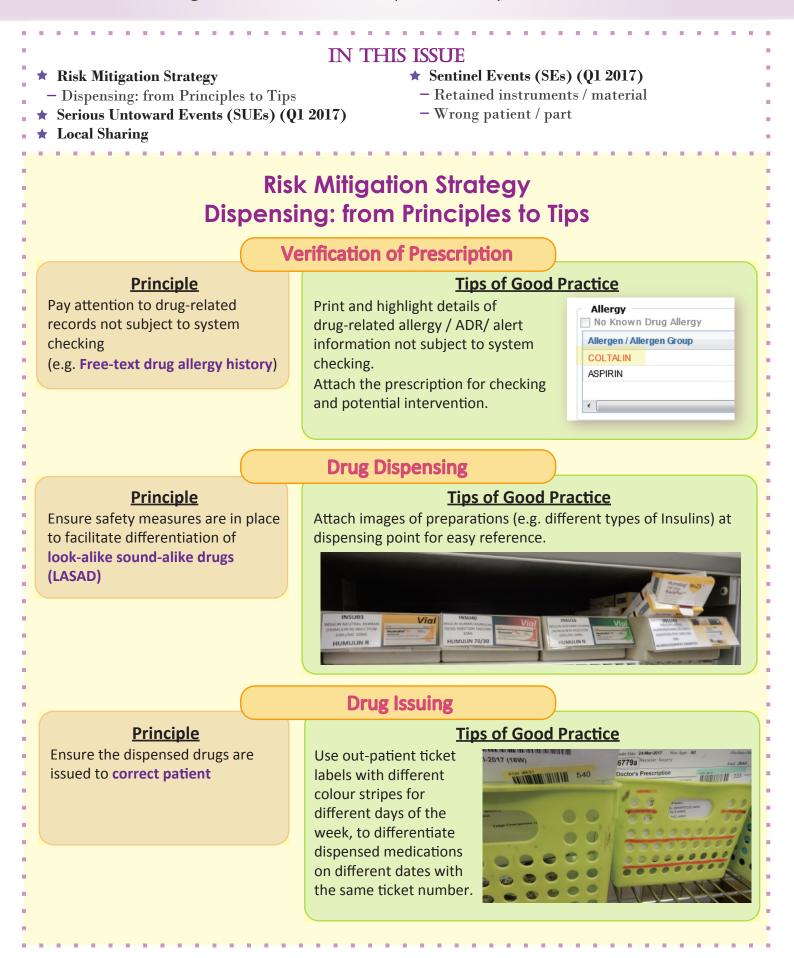


RISK ALERT

**ISSUE 46 JUL 2017** 

A Risk Management Newsletter for Hospital Authority Healthcare Professionals





## What's next in clinical risk management

When the Hospital Authority introduced the Sentinel Event (SE) Policy in 2007 and Serious Untoward Events (SUE) Policy in 2010, Root Cause Analysis (RCA) was adopted as a tool to find out the cause of medical incidents, look for ways for improvement and minimize the likelihood of recurrence of such incidents.

Over the years, many RCA have been performed. Lessons from these



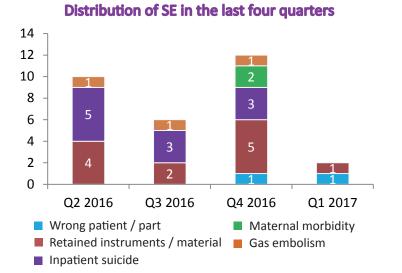
RCA have been disseminated through various learning and sharing activities. It is not difficult to notice that some types of incidents tend to recur with similar resulting recommendations in some ways. If so, could we do less RCA in future? If yes, should it be "less" in number or "less" in complexity? How about collective analysis?

It is also not difficult to see that while improvement measures may vary depending on the nature of incidents, some types of incidents share many similarities and have a greater tendency to recur. For such incidents, the introduction of various risk mitigation strategies can help us to reduce error systemically. As illustrations, the introduction of the 2D barcode system in HA has been very successful in reducing the risk of misidentification. The surgical safety checklist has been demonstrated to be an effective risk reduction tool to greatly enhance surgical safety locally and overseas. The Inpatient Medication Order Entry (IPMOE) system will prove to be another milestone in improving medication safety as we have already seen convincing evidence of its efficacy in reducing medication error.

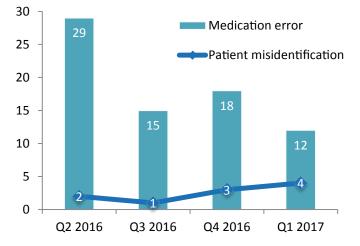
So what's next in clinical risk management? While we have some familiar "old friends" in our risk registry which we are more ready to deal with, we know that new clinical risks will keep on coming up. Hence, we have to be vigilant always. After all, identifying and tackling clinical risks and ensuring patient safety will continue to be one of our greatest challenges requiring the concerted efforts of all our colleagues in HA.

#### Dr Tony KO, Cluster Chief Executive, NTWC

# **SE & SUE Statistics**



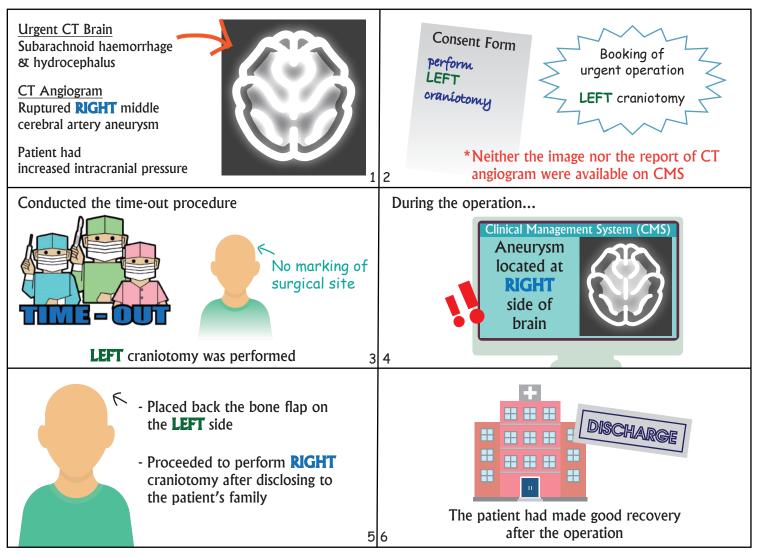
**Distribution of SUE in the last four quarters** 





## - Wrong Side Craniotomy

A patient was transferred to an acute hospital for managing intracranial haemorrhage.



### The RCA panel identified the following

- 1. The team had made their best effort in arranging radiological investigation for the patient in an emergency situation, and in making a timely diagnosis and treatment plan.
- 2. Since the patient was in critical condition, the team decided to arrange an urgent craniotomy before the radiological images were uploaded to Clinical Management System (CMS). Based on recollection of preliminary computed tomography (CT) angiogram images, the neurosurgeon perceived that the aneurysm was located in the patient's LEFT brain.
- 3. The team had followed the standard protocols to perform a "time-out" procedure, including checking of patient identity, surgical site and adverse drug reactions etc., before the operation.

#### **Recommendations**

- 1. Explore the feasibility of uploading source images to CMS as soon as possible for pre-operative checking.
- 2. Review and revise the management protocols and checklists for surgical safety to include marking of surgical site and checking of radiological images during the "time-out" procedure.
- 3. Explore the feasibility of conducting a second "time-out" procedure before the skin incision.
- 4. Reinforce the practice of having surgeons, anaesthetists and nurses to sign on the Surgical Safety Checklist.

## **Retained Instruments / Material**

### **Broken metallic wire**

- A patient was admitted for RIGHT shoulder arthroscopic repair surgery. Four suture anchors were used during the operation.
- The operation was uneventful, except the surgeon found difficulties when retrieving one suture introducer during the operation.
- Follow up X-ray 6 weeks later revealed a 14mm x 1mm broken metallic wire in the patient's RIGHT glenoid cavity, which was likely to be the broken part of the metallic introducer of the suture anchor.
- The metal wire was retrieved in a subsequent operation successfully.

#### **Key contributing factors**

- 1. Inherent risks and special design of the suture anchor device.
- 2. Unaware of possible broken suture anchor fragment when encountering difficulties in retrieving the introducer.
- 3. The surgical team was unfamiliar with the newly introduced suture anchor device.

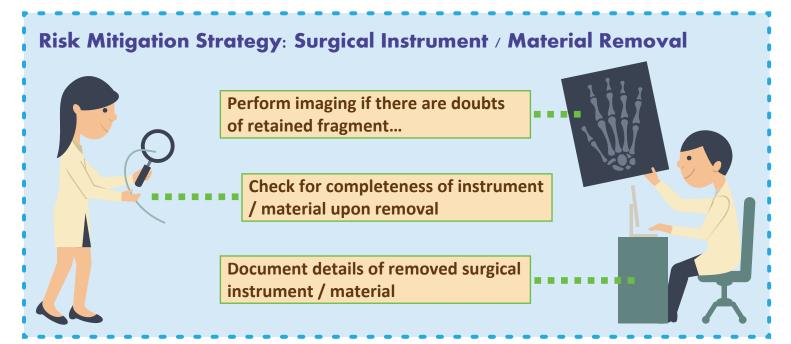
#### Recommendations

- 1. Alert all stakeholders on the risk of used instrument.
- 2. Perform radiological imaging when completeness of the used suture anchor is in doubt.
- 3. Improve communication among clinical team members to acquaint with the design and functional features of the suture anchor device before operation.







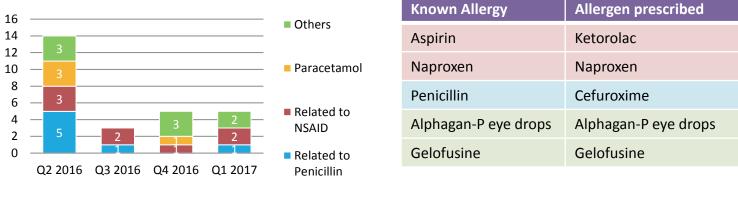


# Serious Untoward Events

Of the 16 SUE cases reported in Q1 2017, 12 were medication error and 4 were patient misidentification. The medication error cases involved giving known drug allergen (KDA) to patients (5), insulin (3), anticoagulant (1), antiplatelet (1) and others (2).

Of the 5 known drug allergen cases, 1 developed mild symptoms which subsided after treatment. The others had no allergic reaction.

#### Number of KDA cases in the last four quarters



## **Medication Error**

### Double prescription and administration of insulin

- A patient with diabetes mellitus was admitted to medical ward for deranged liver function.
- Nine medications, including Protaphane and Linagliptin, were prescribed to the patient in IPMOE upon admission.
- Four days later, doctor signed off Augmentin, Protaphane and Linagliptin, and started Lantus Solostar instead. The instruction was written in the medical note.
- Subsequently, the doctor entered the prescription through IPMOE system but missed to sign off Protaphane.
- Both Protaphane and Lantus Solostar were administered to the patient the next morning.
- The patient did not have any hypoglycemic symptoms after the injection.

# When prescribing in IPMOE, check and ensure that the prescription aligns with clinical record

# Lantus Solostar is a long-acting insulin which is seldom administered with Protaphane. Staff should refer to the recommendation for insulin administration when in doubt.

Disposable pen			
	den Desfile	Drug preparation	
rand Name Act	tion Profile	Vial	Pen fill
otaphane Peak:	4 to 12 hours		- Producer for the fit
mulin N Peak:	4 to 10 hours		
m	aphane Onset: Duratic peak: Duratic Peak: Duratic	aphane     Onset: 1.5 hour       Peak: 4 to 12 hours     Duration: 24 hours       Duration: 24 hours     Onset: 1 hour       Peak: 4 to 10 hours     Duration: 16 to 18 hours	and Name Action Profile Drug pre Peak: 4 to 12 hours Duration: 24 hours Duration: 4 to 10 hours

Reference: NTEC Safe Insulin Therapy Workgroup – Recommendation for Insulin Administration in NTEC Clinical Areas

# Serious Untoward Events

## **Medication Error**

### Known Drug Allergy – Low alertness of reported allergy

- A patient attended Accident and Emergency Department (AED) for ankle sprain.
- An allergy card showing Naproxen allergy was presented to a triage nurse who documented the allergy on the AED record.
- Doctor noted the allergy history of patient but did not enter the allergy information in CMS.
- Naproxen was prescribed to the patient after assessment.
- Patient developed eyelid swelling and skin rash which subsided after treatment.

## Enter patients' drug allergy history in CMS immediately

### Known Drug Allergy – Unawareness of cross-sensitivity between Ketorolac and Aspirin

- A patient with allergy history of Aspirin attended AED for low back pain.
- Doctor was not aware of the patient's allergy history, and prescribed Ketorolac for injection.

AIDC / COV II Inhibit

- Nurse did not know the cross-sensitivity between Ketorolac and Aspirin, and administered Ketorolac.
- The patient did not suffer from any allergic reactions.

# Ketorolac and Aspirin are both related to nonsteroidal anti-inflammatory drugs (NSAID)

# Beware of cross-sensitivity among different drug groups. Refer to the "Cross-allergy Reference Table" if in doubt.

	NSAIDS / COX II Inhibitors
erence:	Aspirin
Guideline on Known Drug	Aspirin + Glycine (Cardiprin®)
rgy Checking, page 5	Celecoxib (Celebrex®)
rgy checking, page 5	Diclofenac Potassium (Cataflam®)
	Diclofenac Sodium (Voltaren®)
	Etoricoxib (Arcoxia®)
	Ibuprofen (Brufen®)
	Indomethacin (Indocid®)
	Ketorolac (Toradol®)
	Mefenamic Acid (Ponstan®)
	Naproxen (Naprosyn®)
	Piroxicam (Feldene®)
	Sulindac (Clinoril®)
	Possible Cross Sensitivity with
	` (
	Possible Cross Sensitivity with NSAIDS Ammonia and Liquorice <sup>#</sup>
	Possible Cross Sensitivity with NSAIDS Ammonia and Liquorice <sup>#</sup> Benzydamine (Difflam®)
	Possible Cross Sensitivity with NSAIDS
	Possible Cross Sensitivity with NSAIDS Ammonia and Liquorice <sup>#</sup> Benzydamine (Difflam®) Cocillana compound <sup>#</sup>
	Possible Cross Sensitivity with NSAIDS Ammonia and Liquorice <sup>#</sup> Benzydamine (Difflam®) Cocillana compound <sup>#</sup> Mesalazine Neozep®
	Possible Cross Sensitivity with NSAIDS Ammonia and Liquorice <sup>#</sup> Benzydamine (Difflam®) Cocillana compound <sup>#</sup> Mesalazine Neozep®
	Possible Cross Sensitivity with NSAIDS Ammonia and Liquorice <sup>#</sup> Benzydamine (Difflam®) Cocillana compound <sup>#</sup> Mesalazine
	Possible Cross Sensitivity with NSAIDS Ammonia and Liquorice <sup>#</sup> Benzydamine (Difflam®) Cocillana compound <sup>#</sup> Mesalazine Neozep® Salicylate / Salicylic acid

with aspirin or salicylate hypersensitivity

Amoxycillin (Amoxil®)       Cefaclor (Ceclor®)         (亞莫西林/ 羥氨苄青霉素)       (頭孢克洛)         Amoxycillin + Clavulanic       Cefazolin (Cefamezin®)         Acid (Augmentin®)       (頭孢唑啉)         (亞莫西林+克拉維酸)       Cefepime (Maxipime®)         Ampicillin       Cefepime (Maxipime®)         (氨苄西林/ 氨苄青霉素)       (頭孢吡肟)         Ampicillin + Sulbactam       Cefoperazone + Sulbactam         (Unasyn®)       (Sulperazon®)         (氨苄西林+ 舒巴坦)       (頸孢哌酮+舒巴坦)         Benzathine Penicillin       Cefotaxime (Claforan®)         (苄星青霉素)       (頭孢噻肟)         Benzathine Penicillin (Penicillin G)       Ceftazidime (Fortum®)         (苄青霉素/ 青霉素 G)       (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®)         (氯唑西林/ 鄰氣青霉素)       (頭孢面布M)         Fluctoxacillin       Ceftriaxone (Rocephin®)         (氟型面木/ 氟氯青霉素)       (頭孢面布M)         Phenoxymethylpenicillin       Cefuroxime         (Penicillin V)       (Zinnat®/Zinacef®)         (苯甲基青霉素/ 青霉素 V)       (頸孢虫×)         Piperacillin (Pipracil®)       Cephalexin (Keflex®)         (哌拉西林)       (阿孢氮苄)         Piperacillin + Tazobactam       Out of the set
Amoxycillin + Clavulanic       Cefazolin (Cefamezin®)         Acid (Augmentin®)       (頭孢唑啉)         (亞莫西林+克拉維酸)       (頭孢唑啉)         Ampicillin       Cefepime (Maxipime®)         (國苄西林/氨苄青霉素)       (頭孢吡肟)         Ampicillin + Sulbactam       Cefoperazone + Sulbactam         (Unasyn®)       (Sulperazon®)         (氨苄西林+ 舒巴坦)       (頭孢哌酮+舒巴坦)         Benzathine Penicillin       Cefotaxime (Claforan®)         (苄星青霉素)       (頭孢嘧肟)         Benzylpenicillin (Penicillin G)       Ceftazidime (Fortum®)         (苄青霉素/青霉素)       (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftbuten (Cedax®)         (氯唑西林/粼氣青霉素)       (頭孢布烯)         Fluctoxacillin       Ceftriaxone (Rocephin®)         (氟氯西林/氟氯青霉素/青霉素)       (頭孢曲松)         Phenoxymethylpenicillin       Cefuroxime         (Penicillin V)       (Zinnat®/Zinacef®)         (苯氧甲基青霉素/青霉素/青霉素 V)       (頭孢虫辛)         Piperacillin (Pipracil®)       Cephalexin (Keflex®)         (哌拉西林)       (頭孢氨苄)
Acid (Augmentin®) (亞莫西林+克拉維酸)       Cefazolin (CefameZin®) (頭孢唑啉)         Ampicillin (氨苄西林/氨苄青霉素)       Cefepime (Maxipime®) (頭孢吡肟)         Ampicillin + Sulbactam (Unasyn®)       Cefoperazone + Sulbactam (Sulperazon®)         (氨苄西林+舒巴坦)       (頭孢哌酮+舒巴坦)         Benzathine Penicillin (苄星青霉素)       Cefotaxime (Claforan®) (爾孢嘧肟)         Benzylpenicillin (Penicillin G) (苄青霉素/青霉素)       Ceftazoline (Fortum®) (爾孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®) (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®) (頭孢布烯)         Flucloxacillin (Penicillin V)       Cefuroxime (Ra氣甲基青霉素/青霉素 V)         (丁和电达)       Cefuroxime (Jinate/Zinacef®)         Piperacillin (Pipracil®)       Cephalexin (Keflex®) (Jinate/Xinacef®)         (歐祖政米)       Cephalexin (Keflex®)         (Jinatej 和)       Cephalexin (Keflex®)
Acid (Augmentine)       (頭孢唑啉)         (亞莫西林+克拉維酸)       (頭孢唑啉)         Ampicillin       Cefepime (Maxipime®)         (氨苄西林/氨苄青霉素)       (頭孢吡肟)         Ampicillin + Sulbactam       Cefoperazone + Sulbactam         (Unasyn®)       (Sulperazon®)         (氢苄西林+ 舒巴坦)       (頭孢哌酮+舒巴坦)         Benzathine Penicillin       Cefotaxime (Claforan®)         (*至青霉素)       (頭孢嘧肟)         Benzylpenicillin (Penicillin G)       Ceftazidime (Fortum®)         (*节霉素/青霉素)       (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®)         (氯唑西林/粼氣青霉素)       (頭孢布烯)         Fluctoxacillin       Cefuraxine (Rocephin®)         (氣氣西林/氣氣青霉素)       (頭孢面本烛)         Phenoxymethylpenicillin       Cefuroxime         (Penicillin V)       (Zinnat®/Zinacef®)         (苯氧甲基青霉素/青霉素/青霉素 V)       (頸孢虫辛)         Piperacillin (Pipracil®)       Cephalexin (Keflex®)         (哌拉西林)       (頭孢氨苄)
(亞臭四林+兒拉維酸)     Cefepime (Maxipime®)       Ampicillin     Cefepime (Maxipime®)       (氨苄西林/氨苄青霉素)     (頭孢吡肟)       Ampicillin + Sulbactam     Cefoperazone + Sulbactam       (Unasyn®)     (Sulperazon®)       (氢苄西林+ 舒巴坦)     (頭孢哌酮+舒巴坦)       Benzathine Penicillin     Cefotaxime (Claforan®)       (苄星青霉素)     (頭孢嘧肟)       Benzylpenicillin (Penicillin G)     Ceftazidime (Fortum®)       (苄青霉素/青霉素)     (頭孢他啶)       Cloxacillin (Orbenin®)     Ceftibuten (Cedax®)       (氯唑西林/氟氢青霉素)     (頭孢布烯)       Fluctoxacillin     Cefuraxone (Rocephin®)       (氟氯西林/氟氢青霉素/青霉素)     (頭孢曲松)       Phenoxymethylpenicillin     Cefuroxime       (Penicillin V)     (Imatel/Zinacef®)       (苯氧甲基青霉素/青霉素/青霉素 V)     (Imatel/Zinacef®)       (哌拉西林)     Cephalexin (Keflex®)       (哌拉西林)     (Imatelf addet)
(氨苄西林/氨苄青霉素)       (頭孢吡肟)         Ampicillin + Sulbactam       Cefoperazone + Sulbactam         (Unasyn®)       (Sulperazon®)         (氨苄西林+舒巴坦)       (頭孢哌酮+舒巴坦)         Benzathine Penicillin       Cefotaxime (Claforan®)         (苄星青霉素)       (頭孢嘧肟)         Benzylpenicillin (Penicillin G)       Ceftazidime (Fortum®)         (苄青霉素/青霉素)       (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®)         (氯唑西林/鄰氣青霉素)       (頭孢布烯)         Flucloxacillin       Ceftriaxone (Rocephin®)         (氟氯西林/氟氯青霉素)       (頭孢曲松)         Phenoxymethylpenicillin       Cefuroxime         (Penicillin V)       (Zinnat®/Zinacef®)         (苯氧甲基青霉素/青霉素V)       (頭孢呋辛)         Piperacillin (Pipracil®)       Cephalexin (Keflex®)         (哌拉西林)       (頭孢氨苄)
Ampicillin + Sulbactam (Unasyn®)       Cefoperazone + Sulbactam (Sulperazon®)         (氨苄西林+ 舒巴坦)       (頭孢哌酮+舒巴坦)         Benzathine Penicillin (苄星青霉素)       Cefotaxime (Claforan®)         (爾孢噻肟)       Cefotaxime (Fortum®)         (丁青霉素/青霉素G)       (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®)         (氯唑西林/ 鄰氣青霉素)       (頭孢布烯)         Fluctoxacillin       Ceftriaxone (Rocephin®)         (氟氯西林/ 氟氯青霉素)       (頭孢曲松)         Phenoxymethylpenicillin (Penicillin V)       Cefuroxime (Zinnat®/Zinacef®)         (苯氧甲基青霉素/青霉素V)       (頭孢呋辛)         Piperacillin + Tazobactam       Cephalexin (Keflex®)         (頭孢氨苄)       Piperacillin + Tazobactam
(Unasyn®)       (Sulperazon®)         (氨苄西林+舒巴坦)       (頭孢哌酮+舒巴坦)         Benzathine Penicillin       Cefotaxime (Claforan®)         (苄星青霉素)       (頭孢噻肟)         Benzylpenicillin (Penicillin G)       Ceftazidime (Fortum®)         (下青霉素/青霉素 G)       (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®)         (氯唑西林/鄰氣青霉素)       (頭孢布烯)         Flucloxacillin       Ceftriaxone (Rocephin®)         (氟氯西林/氟氢青霉素)       (頭孢曲松)         Phenoxymethylpenicillin       Cefuroxime         (Penicillin V)       (Zinnat®/Zinacef®)         (苯氧甲基青霉素/青霉素 V)       (頭孢呋辛)         Piperacillin (Pipracil®)       Cephalexin (Keflex®)         (哌拉西林)       (頭孢氨苄)
(氨苄西林+舒巴坦)     (頭孢哌酮+舒巴坦)       Benzathine Penicillin     Cefotaxime (Claforan®)       (苄星青霉素)     (頭孢噻肟)       Benzylpenicillin (Penicillin G)     Ceftazidime (Fortum®)       (苄青霉素/青霉素 G)     (頭孢他啶)       Cloxacillin (Orbenin®)     Ceftibuten (Cedax®)       (氯唑西林/鄰氣青霉素)     (頭孢布烯)       Flucloxacillin     Ceftriaxone (Rocephin®)       (氟氯西林/氟氯青霉素)     (頭孢曲松)       Phenoxymethylpenicillin     Cefuroxime       (Penicillin V)     (ゴnat®/Zinacef®)       (苯氧甲基青霉素/青霉素 V)     (頭孢呋辛)       Piperacillin (Pipracil®)     Cephalexin (Keflex®)       (哌拉西林)     Tazobactam
Benzathine Penicillin (苄星青霉素)         Cefotaxime (Claforan®) (頭孢噻肟)           Benzylpenicillin (Penicillin G)         Ceftazidime (Fortum®) (頭孢他啶)           Cloxacillin (Orbenin®)         Ceftibuten (Cedax®) (頭孢布烯)           Cloxacillin (Orbenin®)         Ceftibuten (Cedax®) (頭孢布烯)           Flucloxacillin (氣氣西林/ 氣氣青霉素)         Ceftriaxone (Rocephin®) (頭孢曲松)           Phenoxymethylpenicillin (Penicillin V)         Cefuroxime (Zinnat®/Zinacef®) (頭孢呋辛)           Piperacillin (Pipracil®)         Cephalexin (Keflex®) (頭孢氨苄)
(卡星青霉素)       (頭孢噻肟)         Benzylpenicillin (Penicillin G)       Ceftazidime (Fortum®)         (卡青霉素/青霉素G)       (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®)         (氯唑西林/鄰氣青霉素)       (頭孢布烯)         Flucloxacillin       Ceftriaxone (Rocephin®)         (氟氯西林/氟氯青霉素)       (頭孢曲松)         Phenoxymethylpenicillin       Cefuroxime         (Penicillin V)       (Zinnat®/Zinacef®)         (苯氧甲基青霉素/青霉素V)       (頭孢呋辛)         Piperacillin (Pipracil®)       Cephalexin (Keflex®)         (哌拉西林)       (頭孢氨苄)
Benzylpenicillin (Penicillin G) (苄青霉素/青霉素G)       Ceftazidime (Fortum®) (頭孢他啶)         Cloxacillin (Orbenin®)       Ceftibuten (Cedax®) (頭孢布烯)         (氯唑西林/ 鄰氣青霉素)       Ceftibuten (Cedax®) (頭孢布烯)         Flucloxacillin       Ceftriaxone (Rocephin®) (頭孢曲松)         Phenoxymethylpenicillin (Penicillin V)       Cefuroxime (Zinnat®/Zinacef®) (頭孢呋辛)         Piperacillin (Pipracil®)       Cephalexin (Keflex®) (頭孢氨苄)         Piperacillin + Tazobactam       Piperacillin + Tazobactam
(苄青霉素/青霉素 G)     (頭孢他啶)       Cloxacillin (Orbenin®)     Ceftibuten (Cedax®)       (氯唑西林/鄰氣青霉素)     (頭孢布烯)       Flucloxacillin     Ceftriaxone (Rocephin®)       (氟氯西林/氟氯青霉素)     (頭孢曲松)       Phenoxymethylpenicillin     Cefuroxime       (Penicillin V)     (Zinnat®/Zinacef®)       (萊氧甲基青霉素/青霉素 V)     (頭孢呋辛)       Piperacillin (Pipracil®)     Cephalexin (Keflex®)       (哌拉西林)     (頭孢氨苄)
Cloxacillin (Orbenin®)       Ceftibuten (Cedax®)         (氯唑西林/ 鄰氣青霉素)       (頭孢布烯)         Flucloxacillin       Ceftriaxone (Rocephin®)         (氟氯西林/ 氟氯青霉素)       (頭孢曲松)         Phenoxymethylpenicillin       Cefuroxime         (Penicillin V)       (Zinnat®/Zinacef®)         (苯氧甲基青霉素/青霉素 V)       (頭孢呋辛)         Piperacillin (Pipracil®)       Cephalexin (Keflex®)         (哌拉西林)       Cinat®/Tinacef®)         (歐拉西林)       Cephalexin (Keflex®)
(氯唑西林/鄰氣青霉素)     (頭孢布烯)       Flucloxacillin     Ceftriaxone (Rocephin®)       (氟氯西林/氟氯青霉素)     (頭孢曲松)       Phenoxymethylpenicillin     Cefuroxime       (Penicillin V)     (Zinnat®/Zinacef®)       (苯氧甲基青霉素/青霉素V)     (頭孢呋辛)       Piperacillin (Pipracil®)     Cephalexin (Keflex®)       (哌拉西林)     [頭孢氨苄)
Flucloxacillin         Ceftriaxone (Rocephin®) (頭孢曲松)           (氟氯西林/ 氟氯青霉素)         (頭孢曲松)           Phenoxymethylpenicillin         Cefuroxime           (Penicillin V)         (Zinnat®/Zinacef®)           (苯氧甲基青霉素/ 青霉素 V)         (頭孢呋辛)           Piperacillin (Pipracil®)         Cephalexin (Keflex®)           (哌拉西林)         (頭孢氨苄)
(氟氯西林/氟氯青霉素)     (頭孢曲松)       Phenoxymethylpenicillin     Cefuroxime       (Penicillin V)     (Zinnat®/Zinacef®)       (苯氧甲基青霉素/青霉素V)     (頭孢呋辛)       Piperacillin (Pipracil®)     Cephalexin (Keflex®)       (哌拉西林)     (頭孢氨苄)
Phenoxymethylpenicillin (Penicillin V)         Cefuroxime (Zinnat®/Zinacef®)           (苯氧甲基青霉素/青霉素 V)         (頭孢呋辛)           Piperacillin (Pipracil®)         Cephalexin (Keflex®)           (哌拉西林)         (頭孢氨苄)
(Penicillin V)     (Zinnat®/Zinacef®)       (苯氧甲基青霉素/青霉素 V)     (頭孢呋辛)       Piperacillin (Pipracil®)     Cephalexin (Keflex®)       (哌拉西林)     (頭孢氨苄)
(苯氧甲基青霉素/青霉素 V)     (頭孢呋辛)       Piperacillin (Pipracil®)     Cephalexin (Keflex®)       (哌拉西林)     (頭孢氨苄)
Piperacillin (Pipracil®)         Cephalexin (Keflex®)           (哌拉西林)         (頭孢氨苄)
(哌拉西林) (頭孢氨苄)
Pineracillin + Tazobactam
Piperacillin + Tazobactam
Centradine (Velocettri)
(Tazocin®) (Tazocin®) (頭孢拉定)
(哌拉四林+他唑巴屯)
Procaine Penicillin CARBAPENEMS
(晋魯卡因青霉素)
Ticarcillin + Clavulanic Acid Doripenem (Doribax®)
(Timentin®) (多尼培南)
(替卡西林+克拉維酸) Ertapenem (Invanz®)
(厄他培南)
Drugs structurally
(Tiename)
related to penicillin (亞胺培南+西拉司丁)
Benjaillamine (書 要 啦) Meropenem (Meronem®)
Penicillamine (青霉胺) (美羅培南)

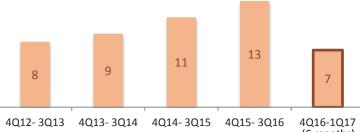
Refe HA ( Aller

## **Patient Misidentification**

#### Yearly trend of SUE – patient misidentification

There was an increasing trend on SUE related to Patient Misidentification since Q4 2012.

A total of 7 cases were reported in the past 6 months as summarized below:



(6 months)

Patient Misidentification Scenarios	Q4 2016	Q1 2017
Mixing up patients' sample in laboratory	1	
Mis-selecting patient's images for reporting	1	
During drug dispensing	1	
During drug administration		2
During drug prescription		1
Misfiling patient's laboratory report		1

## Drug Administration

There were 2 cases of patient misidentification during drug administration. Both patients did not have any significant consequences.

#### **Contributing factors:**

- Lack of clear understanding on proper patient identity checking procedures during drug administration.
- Failure to comply with guidelines on medication management.

## Strictly adhere to patient identity checking procedures before drug administration (e.g. verify by core identifier, check against patient bracelet)

#### Warfarin was ordered for patient B who was admitted for lower limb deep vein thrombosis.

#### Drug Prescription

- The prescription was written on patient B's medical notes. A reminder was noted in the white board.
- Subsequently, the doctor wrongly prescribed Warfarin in IPMOE for patient A instead of patient B.
- One dose of Warfarin was given to patient A.
- Patient A did not have any signs of bleeding complication.

#### **Contributing factor:**

No checking of medication orders written on patient's medical notes during prescription.

## Before initiating any prescription, check the patient information and the medical notes if necessary

Misfiling Laboratory Report

Patient C's laboratory report was wrongly filed into patient D's medical note, which led to unnecessary drug prescription to patient D. Patient D did not have any adverse effects.

### **Contributing factor:**

Non compliance with patient identification checking before filing patient's laboratory report and drug prescription.

Matching correct patient identity upon filing patient's report

# Distance Interest Contract Interest Int

# New Template in Advance Incident Reporting System (AIRS) Dangerous Drug Irregularity (DDI)

With effect from 21 June 2017, AIRS has been enhanced to include a designated template to facilitate reporting, notification and monitoring of dangerous drug irregularity incidents.

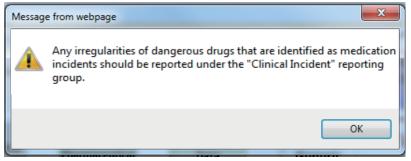
	Advance In	ncident Rep	orting Syste	em 3.0		了 中 🖗	1
			Cluster:	IAHO Login ID: LYT952	12/7/2017 11:26:06 Profile	Default user profile 🗸	•
	Supervisor Case Ma	nagement Case	Status Enquiry	Reports System I	Maintenance		
<u>Home</u> > Reporting							
Quick Link:	I want to repor	t: 🖸					
I want to report	⊖ Clinical Nea						
- Others	○ Clinical Incid	lent					
				ata Privacy, Equip ngerous Drug Irre		naceutical, Gene	ric, Adverse Drug
			Workplace Violer	<u> </u>	gularity)		
	5 1	icident such as	workplace violer	ice incluent			
	Red To						
							Dangerous
	Fall	Medication	Missing Patient	Suicide	Blood Transfusion	Imaging & Radiation	Drug
							Irregularity
	Facility & Environment	Biomedical	Non- Pharmaceutical	Personal Data	Generic	Adverse	Adverse
	environment	Equipment	Items	Privacy		Reactions	Reactions
						V	√

## What is DDI?



- 1. Discrepancy in DD stock quantity the quantity of physical stock of dangerous drug is different from the record;
- 2. Unauthorized possession of DD a dangerous drug is in the possession of a person not authorized for such possession; or
- **3.** Unauthorized supply of DD a dangerous drug has not been supplied to or supplied or dispensed by a person in accordance with the Dangerous Drugs Ordinance.

AIRS will remind staff to report medication incident involving dangerous drugs under the group of "Clinical Incident".



Please refer to <u>Guidelines on Handling of Dangerous Drugs in HA Hospitals</u> or <u>Workflow for DDI reporting</u> for more detail

