

Seminar on Clinical Information System (CIS) in Intensive Care



C I S
from the perspective of
a CIS Team Member of

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Dept of ICU / PYNEH
1 April 2009



Contents

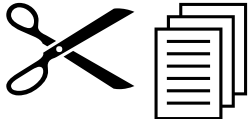
1. Nurses' reaction to CIS implementation
2. How can we implement CIS smoothly
3. Daily Charting & common problems
4. CIS helps the routine nursing care /
handover
5. System potential

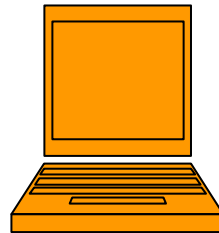


Nurses' reaction to CIS implementation



😊 POSITIVE

- High technology
- Legible
- Easy & quick for data tracing
- Paperless 



😞 WORRIES

- Legal issues
- Data Security
- Risks of Wrong patient access



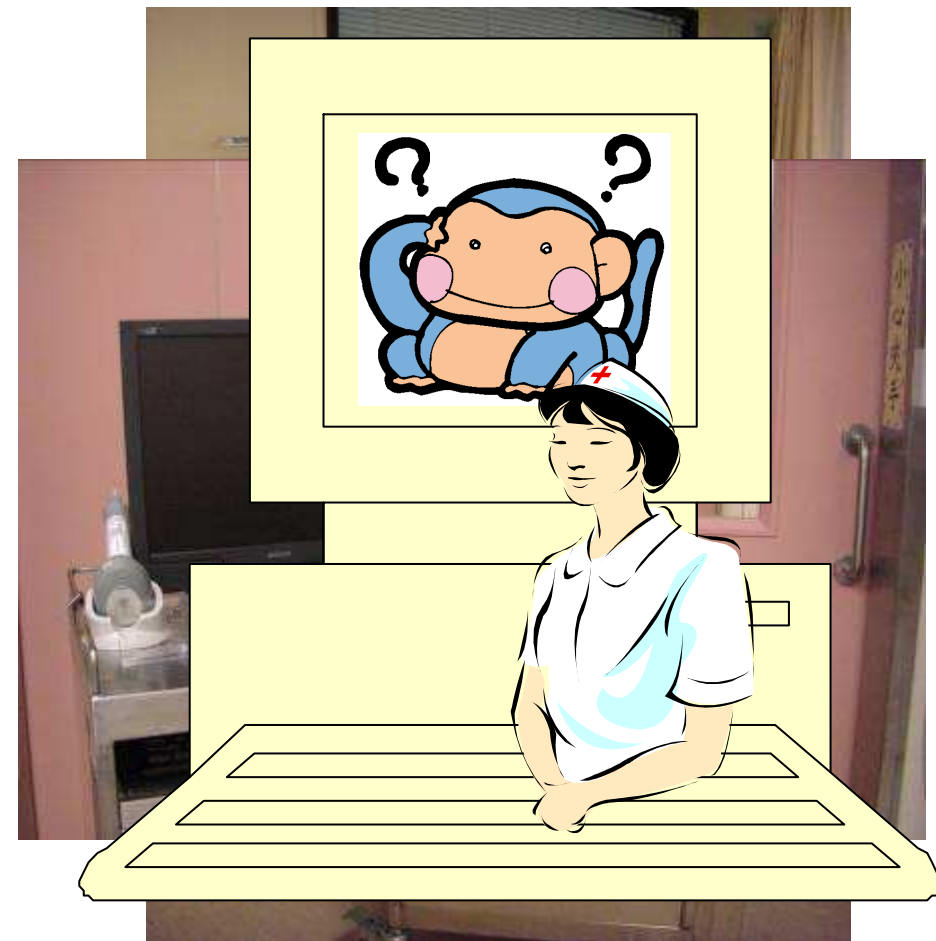


Nurses' reaction to CIS implementation



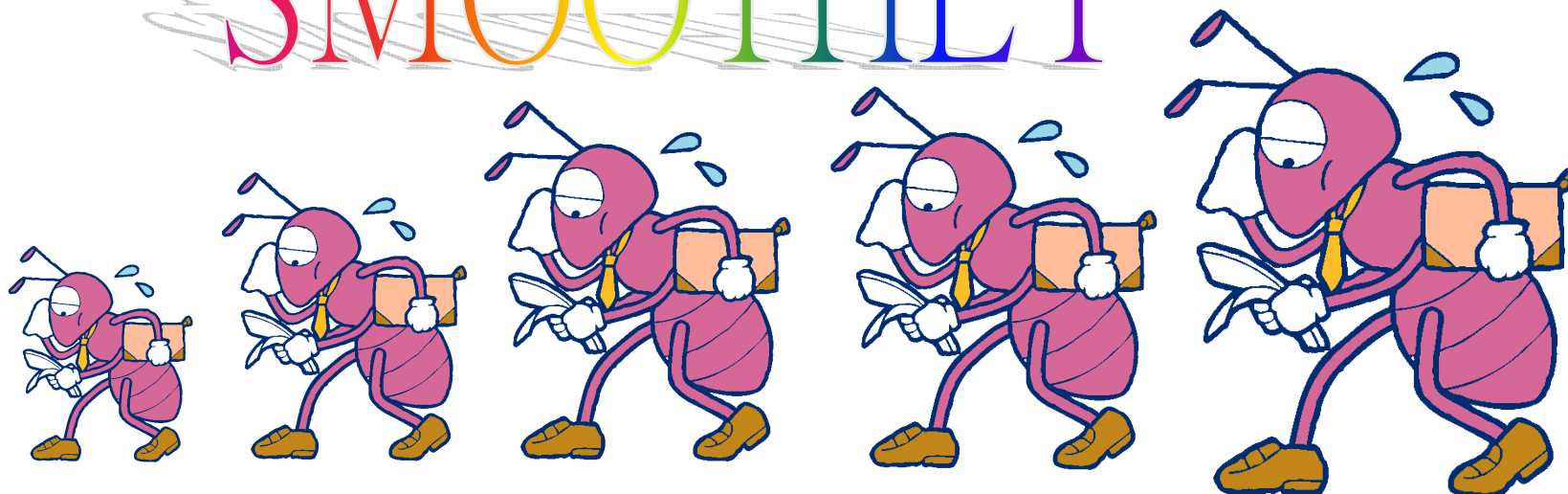
☹️ WORRIES

- ICU flowchart = Pt Picture
- Spacing
- Inadequate computer knowledge
- Typing skills
- Small letters
- Tire - Eyes / Hand
- Learn something new beyond Nursing





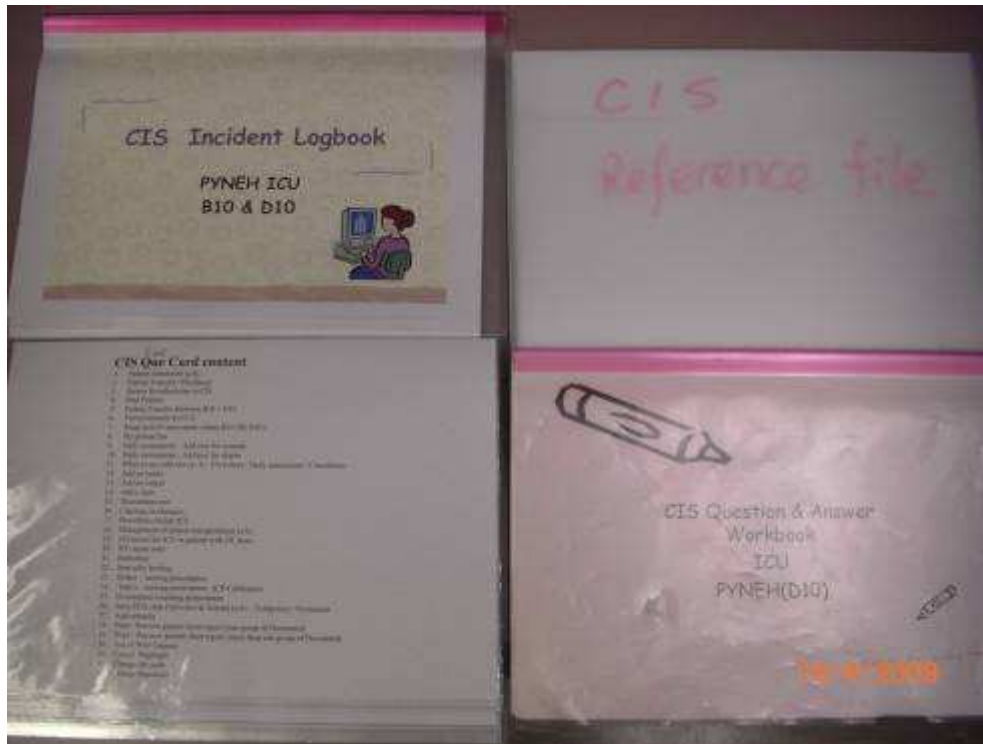
How can we implement CIS SMOOTHLY

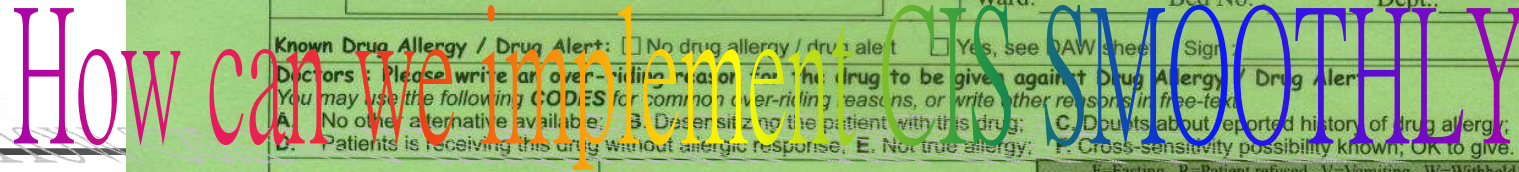




How can we implement CIS SMOOTHLY

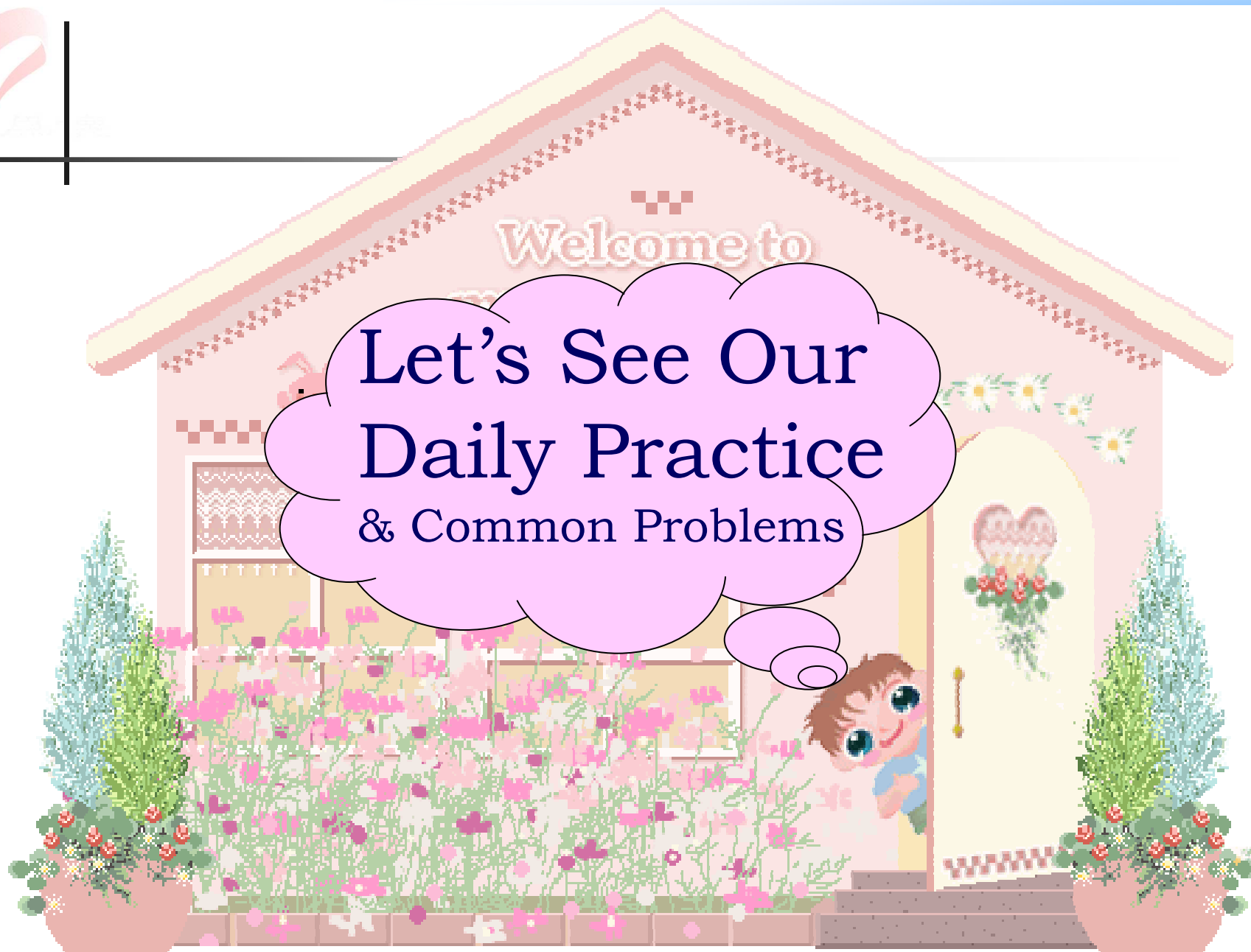
Clear instruction & workflow:





- [illegible]

7





Daily Practice & Common Problems

Admission Procedure

Discharge Procedure

Daily Charting- Convenient

Vital Signs

Ventilator Record

I & O balance

Daily Assessment

Patient Notes Format

Nursing Order

Drugs Administration



CIS from the perspective of a CIS Team Member

Daily Practice & Common Problems Admission Procedure

Admit

Last Name: CHAN, ABC def Jace Warning is on chi for an as

First Name:

Medical Record Number: a142356(7) P

Patient Category: Adult

Date of Birth: 01/01/1959 <- Default

Height: 0 cm

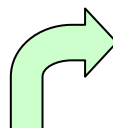
Weight: 0 kg

Gender: Female

Screen Notes:

Buttons: Trend Review, Alarm Review, Admit

Central Monitor



Patient Info

Admission Form

Patient Name: [Redacted]

HKID: [Redacted]

Encounter (Do not enter):

Date of Birth: 14/04/1930

Age: 78 years

Gender: Female

Special Status:

Primary Unit Doctor:

Drug Allergy/Alert: No drug allergy or drug alert

Department: Medicine

Demographics

Hospital No: [Redacted]

Hospital Admit Date: 27/03/2009 23:47

Admission Date: 30/03/2009 21:25

Admission Source: Ward

Parent Ward: 84

Patient Census

Room/Loc	Patient Name	Age	Gender	HKID	Precautions	Cens
810-01						
810-02						
810-03						
810-04						
810-05						
810-06						
810-07						
810-08						
810-09		64 ye	Female		MRSA precaution	
810-10		71 ye	Male		MRSA precaution	
810-11						
810-12						
810-13		81 ye	Male		Contact precaution	
810-14		57 ye	Male			
810-15		71 ye	Male			
810-16		76 ye	Female			
810-17		80 ye	Male			
810-18		65 ye	Female			
810-19						
810-20		71 ye	Male			
810-21		75 ye	Male			
810-22		56 ye	Female			
810-23						
No bed						

1/4/2009



Daily Practice & Common Problems Admission Procedure

Common Problems

The image displays two screenshots of the CIS 'Admit' form, illustrating common problems in patient admission. The left screenshot shows a patient with a complex name 'CHAN, ABC def Jace' and a medical record number 'a142356(7)'. A sad face icon is present in the top left corner, and a red circle highlights the medical record number. The right screenshot shows a patient with a simple name 'CHAN' and a medical record number 'A1234567'. A happy face icon is present in the top right corner. Green arrows indicate the mapping between the two forms, showing that the complex name is mapped to the simple name and the complex medical record number is mapped to the simple one.

or Using the previous patient file 😞



Daily Practice & Common Problems Discharge Procedure

- Printout Patient Note
- Record Patient discharge date and time
- Transfer patient out from census

Common Problems

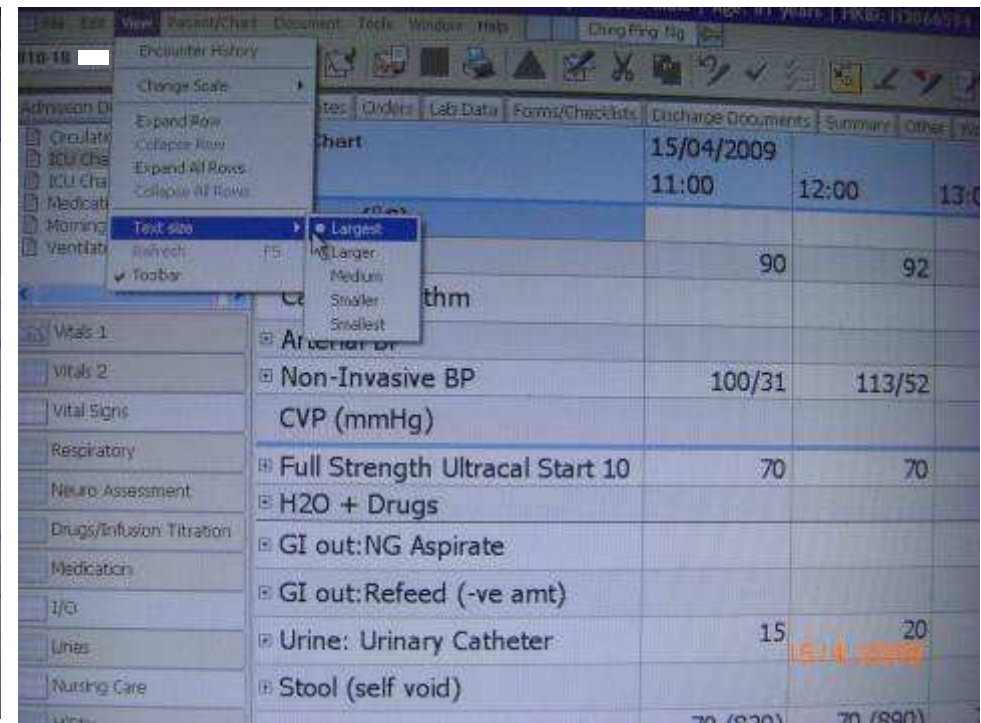
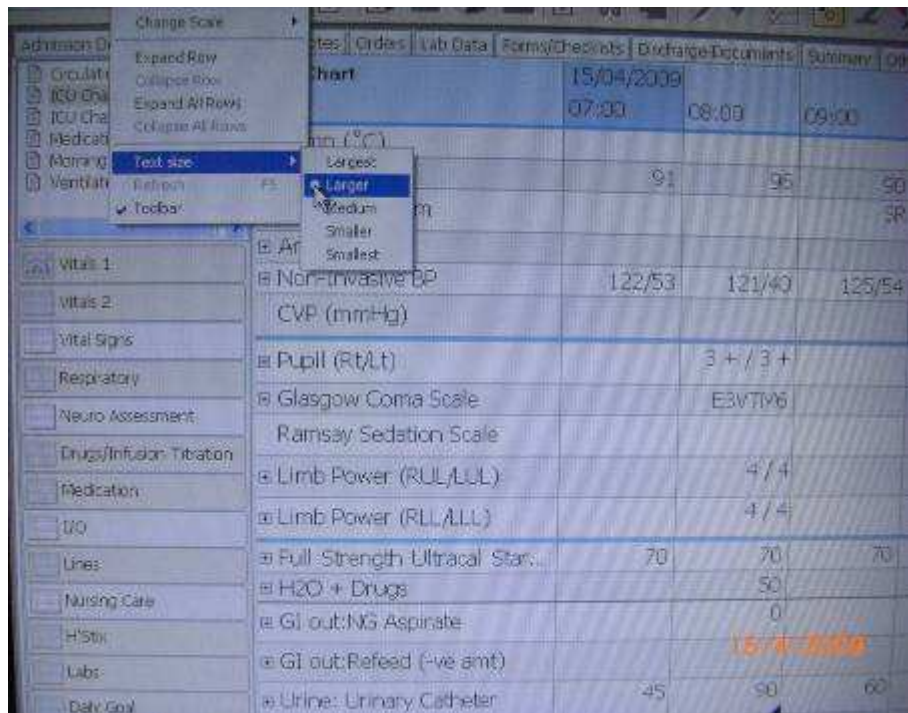
- Patient readmission within 24 hour
- Unfamiliar with discharge procedure



Daily Practice & Common Problems

Daily Charting - Convenient

Different size text





Daily Practice & Common Problems

Daily Charting - Convenient

Comprehensive Pull down list
Others for specify

- ICU Flowsheet – Vital signs
Neuro Obs
Respiratory
- Ventilator Data
- Circulation Chart
- Daily Assessment

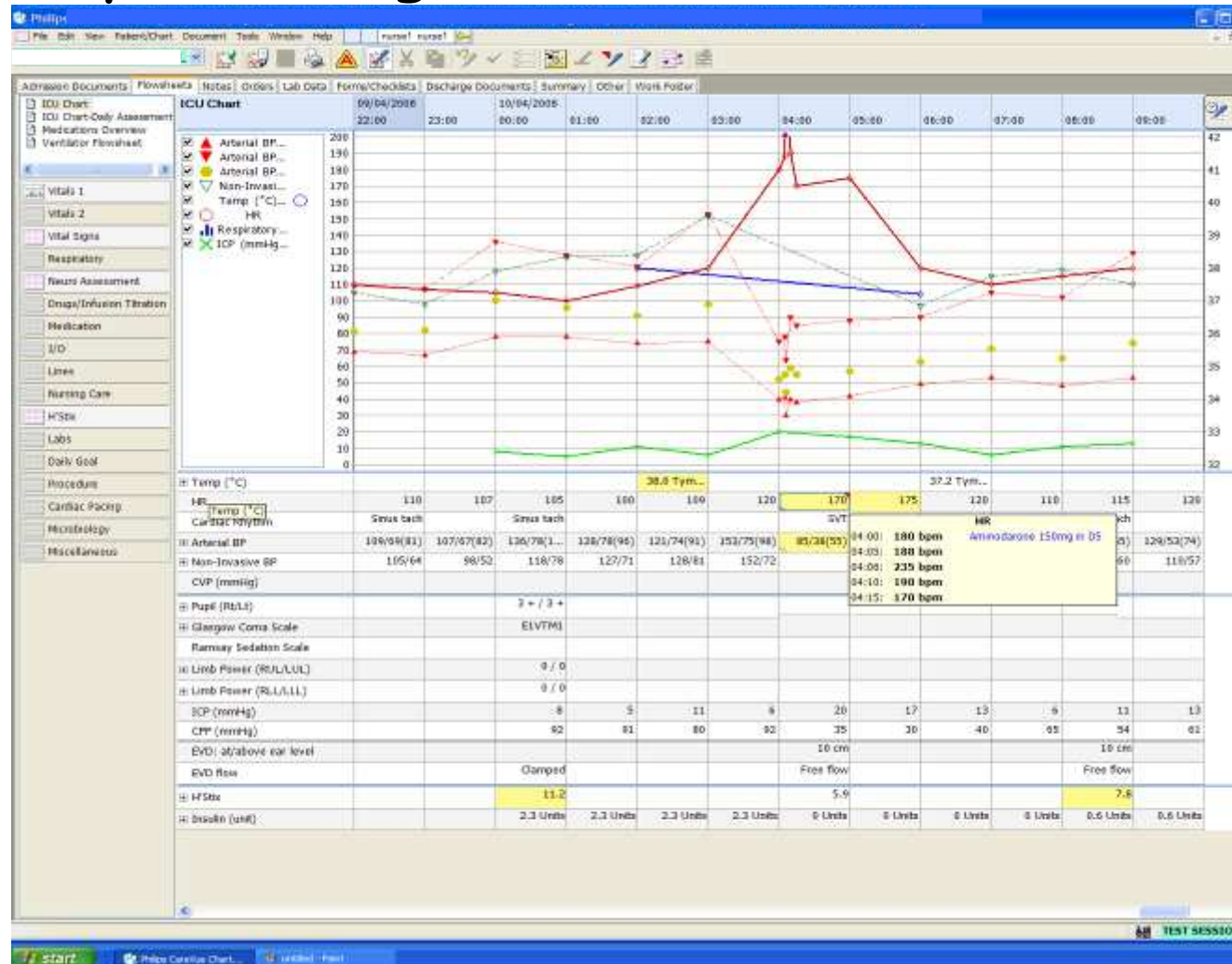
The screenshot displays a portion of the ICU Flowsheet interface. At the top, there are time slots for 02:00, 03:00, and 04:00. Below these, a row of vital signs is shown: 37.4 Tym..., 82, 95, and 92. A red arrow points from the text 'Comprehensive Pull down list' to a pull-down menu that is open over the heart rate value '95'. The menu is titled 'Sinus tach' and contains a list of cardiac rhythm options with checkboxes: ☐ Clear, ☐ Sinus rhythm, ☐ Sinus bradycardia, ☒ Sinus tachycardia, ☐ Sinus pause, ☐ Sinus arrhythmia, ☐ Premature atrial contractions, ☐ Premature ventricular contractions, ☐ Junctional rhythm, ☐ Junctional tachycardia, ☐ Junctional bradycardia, ☐ Atrial tachycardia, ☐ Paroxysmal atrial tachycardia, and ☐ Atrial fibrillation.



CIS from the perspective of a CIS Team Member

Daily Practice & Common Problems

Daily Charting - Convenient





Daily Practice & Common Problems

Daily Charting - Ventilator Record

The screenshot displays the 'Ventilator Flowsheet' interface. On the left, a list of parameters is shown: FIO2 -set, Target SpO2 -set, SpO2, and Respiratory Rate (bpm). A pop-up window titled 'Add and Remove Rows' is open, showing a list of available families for adding rows. The list includes: S300 (VC+PS), Servo I (VC+PS), S300 (PC+PS), Evita 4 (PC+PS), S300 (PS), S300 (PRVC), S900 (PC), Evita 4 (VC+PS), Servo I (PS), BiPAP Celki, S900 (PS), S900 (VC+PS), Servo I (PRVC), Vent cals, Evita 4 (PS), BiPAP-Vision, and Servo I (PC+PS). The background shows a table with columns for date and time, and rows for various ventilator parameters.

Parameter	15/04/2009 06:00	07:00	08:00
Ventilator Type			
Ventilator Mode-set			
Tidal Volume (ml)-set			
PS+PEEP (cmH2O)-set			
PEEP (cmH2O)-set			
FIO2 -set		0 - 6L via NC	
Target SpO2 -set		92%-98%	
Respiratory Rate (bpm)-set			
Inspiratory Time (sec)-set			
Pressure Limit (cmH2O)-set			
Ventilator Type			
Ventilator Mode			
Tidal Volume (Insp)			
PS+PEEP (cmH2O)			
PEEP (cmH2O)			
FIO2			
SpO2	98	98	98
Respiratory Rate (Controll...			
Inspiratory Time (sec)			
Pressure Limit (cmH2O)			
Respiratory Rate (bpm)	24	19	20
Tidal Volume (ml)			
Peak Pressure (cmH2O)			
Minute Volume (L/min)			
End-Tidal CO2			



Daily Practice & Common Problems

Daily Charting - Ventilator Record

	25/03/2009 00:00	26/03/2009 00:00	27/03/2009 00:00	28/03/2009 00:00	29/03/2009 00:00	30/03/2009 00:00	31/03/2009 00:00
Ventilator Type	Evita 4	Servo I	Servo I	Servo I	Servo I	Servo I	Servo I
Ventilator Mode-set	Mode CPAP/ASB	PS	PS	PC + PS	PC + PS	PS	PS
PC (cmH2O)-set				18	22		
P Insp (cmH2O)-set							
PS (cmH2O)-set			22	18	22	22	24
PS+PEEP (cmH2O)-set	22	35					
PEEP (cmH2O)-set	7	8	7	6	7	7	7
FiO2-set	0.21 - 0.5	0.21 - 0.5	0.21 - 0.5	0.21 - 0.5	0.21 - 0.5	0.21 - 0.5	0.21 - 0.5
Target SpO2-set	92%-98%	92%-98%	92%-98%	92%-98%	92%-98%	92%-98%	92%-98%
Respiratory Rate (bpm)-set				10	15		
Inspiratory Time (sec)-set				1.33	1.33		
Breath Cycle T-set				4	4		
Ventilator Type	Evita 4	Servo I	Servo I	Servo I	Servo I	Servo I	Servo I
Ventilator Mode	Mode CPAP/ASB	PS	PS	PC + PS	PC + PS	PS	PS
PC (cmH2O)				18	22	22	
PS (cmH2O)		24	22	18	22	22	24
PS+PEEP (cmH2O)	22	22					
PEEP (cmH2O)	7	7	7	6	7	7	7
FiO2	0.35	0.35	1	0.4	0.45	0.4	0.33
SpO2	95	97	98	95	90	97	100
Respiratory Rate (Controlled)				10	15	15	
Inspiratory Time (sec)				1.33	1.33	1.33	
Breath Cycle T				4	4	4	

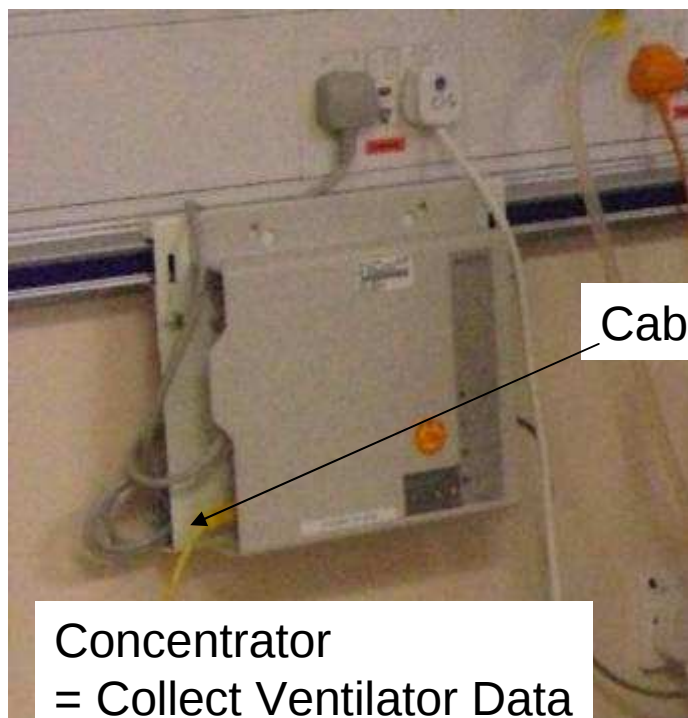
Clear record on the type of ventilator, mode and setting



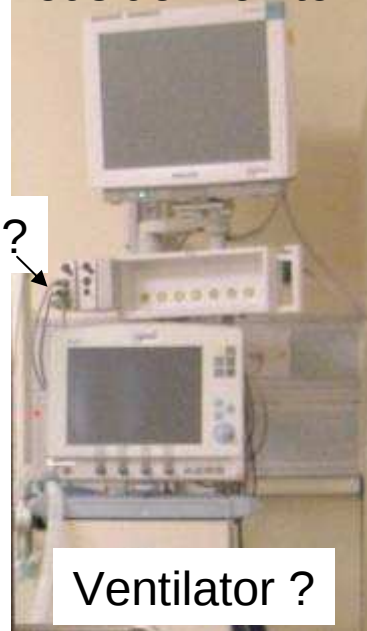
Daily Practice & Common Problems Daily Charting - Ventilator Record

Common Problem

Interfacing problems - Concentrator / connecting cables / Ventilator / CIS



Bedside Monitor?



CIS related problem?

Room/Loc	Patient Name	Age	Gender	HKID	Precautions	Cens
B10-01						
B10-02						
B10-03						
B10-04						
B10-05						
B10-06						
B10-07						
B10-08						
B10-09		64 ye...	Female		MRSA precaution	
B10-10		71 ye...	Male		MRSA precaution	
B10-11						
B10-12						
B10-13		81 ye...	Male		Contact precaution	
B10-14		57 ye...	Male			
B10-15		71 ye...	Male			
B10-16		78 ye...	Female			
B10-17		80 ye...	Male			
B10-18		85 ye...	Female			
B10-19						
B10-20						
B10-21		71 ye...	Male			
B10-22		75 ye...	Male			
B10-23		56 ye...	Female			
No bed						



Daily Practice & Common Problems

Daily Charting - Ventilator Record

Nurses should interpret data then save.

Add new row / change row after changed ventilator / mode



Servo I	Servo I	Servo I
PS	PS	PS
24	24	24
7	7	7
0.33	0.33	0.33
96	95	94
36	36	36
43	44	48
257	274	226
32	32	32
11.5	12.1	11.7
169	159	212

Mode Changes:

PCPS → PS

VCPS → PS

PS → PCPS

VC → PC



CIS from the perspective of a CIS Team Member

Daily Practice & Common Problems Daily Charting - I & O Balance

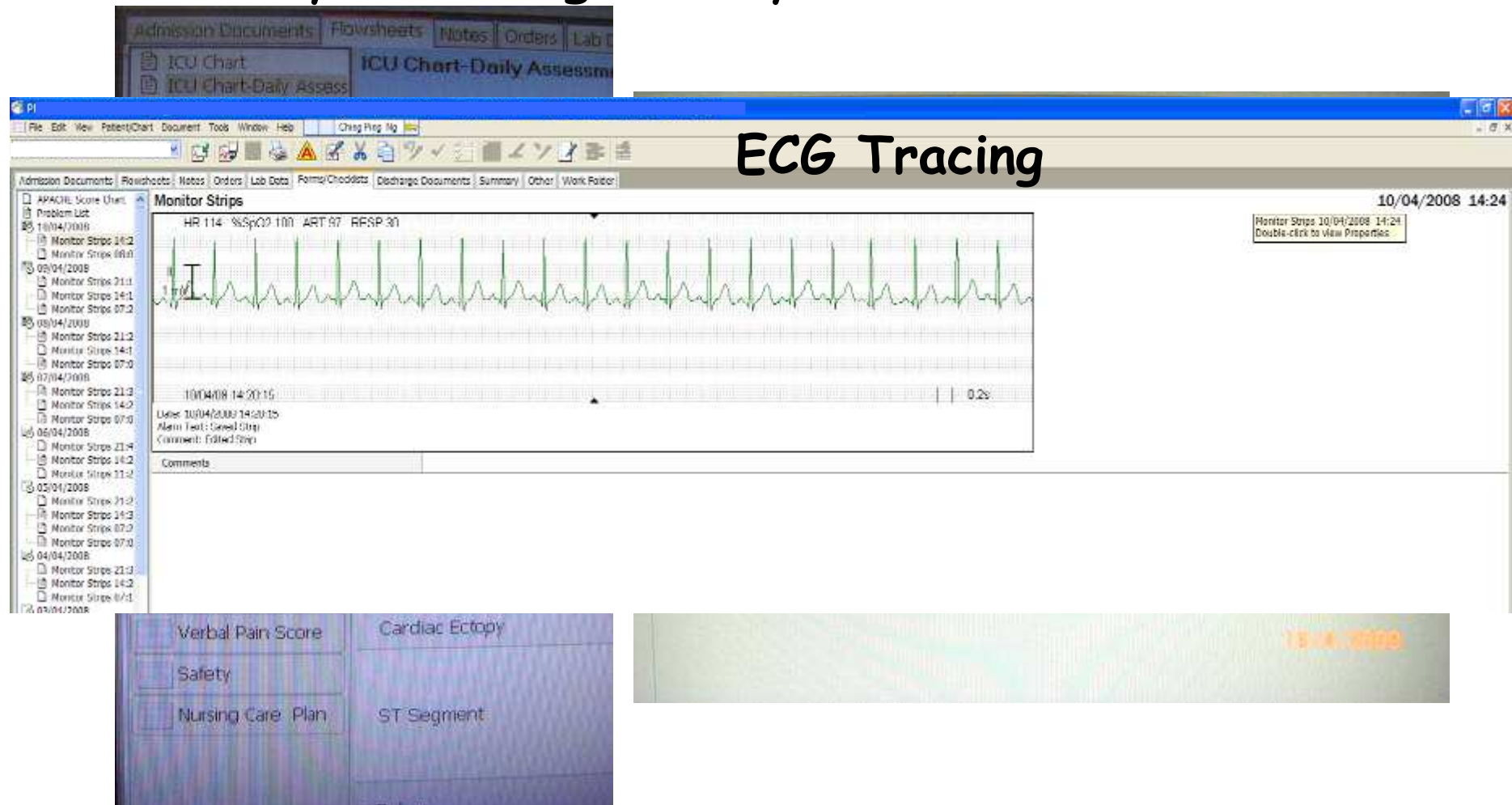
ICU Chart		10/04/2008	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	
- ICU Chart - ICU Chart-Daily Assessment - Medications Overview - Ventilator Flowsheet - Vitals 1 - Vitals 2 - Vital Signs - Respiratory - Neuro Assessment - Drugs/Infusion Titration - Medication - I/O - Lines - Nursing Care - H/Stx - Labs - Daily Goal - Procedure - Cardiac Pacing - Microbiology - Miscellaneous	Cefuroxime (Zinacef) 750 mg IV Q							750 mg IV								750 mg IV					
	Metronidazole (Flagyl) 500 mg IV																				
	Metronidazole (Flagyl) 500 mg IV							500 mg IV								500 mg IV					
	Amiodarone 150 mg IV Once in 100																				
	Amiodarone 150 mg IV Once in 100																				
	Metoclopramide (Maxolon) 10 mg I																				
	Ranitidine (Zantac) 50 mg IV Q8H							50 mg IV								50 mg IV					
	Pethidine 30 mg IV Once																				
	Paracetamol (Panadol) 1000 mg PR									1000 mg PR				1000 mg PR				1000 mg PR			
	Tramadol 100 mg PR QID							100 mg PR				100 mg PR				100 mg PR					Pending
	Nor-adrenaline 4 mg/60 ml Start	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	2 ml/hr (1.3 ml)	1 ml/hr (1.2 ml)	0 ml/hr (0.7 ml)									(33.8)
	1/2:1/2 500 ml+10 mmol KCl...	24.5	116.7	70	70	70	70	70	26.8	114.3	70	70	70	70	70	70	70	70	70		(1332.3)
	Gelofusine 250 ml FR																				(0)
	Gelofusine 250 ml FR																				(0)
	Lactated Ringers 500 ml FR									500											(500)
	Lactated Ringers 500 ml FR																				(0)
	NS for A-line 500 ml Cont S...	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	(57)
	Oral Intake																				(0)
	GI out:NG to BSB					100															(100)
	Chest:Rt Chest A	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20	0	(40)
	Drains:Rt Abd. Drain A																				(0)
	Urine:Urinary Catheter	30	35	80	50	60	35	35	40	50	35	35	30	25	30	35	25	30			(720)
	Total In	31 (182)	123 (305)	76 (381)	76 (457)	76 (533)	176 (709)	76 (785)	33 (818)	620 (1437)	74 (1511)	74 (1585)	73 (1658)	73 (1731)	173 (1904)	73 (1977)	73 (2050)	73 (2123)			
	Total Out	30 (90)	35 (125)	80 (205)	150 (355)	60 (415)	35 (450)	35 (485)	40 (525)	50 (575)	55 (630)	35 (665)	30 (695)	25 (720)	30 (750)	35 (785)	45 (830)	30 (860)			
	I/O Balance	1 (+92)	88 (+180)	-4 (+176)	-74 (+102)	16 (+118)	141 (+259)	41 (+300)	-7 (+293)	570 (+862)	19 (+881)	39 (+920)	43 (+963)	48 (+1011)	143 (+1154)	38 (+1192)	28 (+1220)	43 (+1263)			



CIS from the perspective of a CIS Team Member

Daily Practice & Common Problems

Daily Charting - Daily Assessment





Daily Practice & Common Problems Patient Notes Format

- Doctor - ICU
- Doctor - Consultation
- Interview Note
- Image
- Nurse - ICU
- Nurse - Primary Nurse
- Nurse - Pressure Ulcer
- Nurse - Skin Care
- Nurse - Specialist
- Physiotherapist
- Speech therapist
- Occupational therapist

The screenshot shows a patient notes form with the following fields and content:

DOCTOR: ICU	
ICU Day	1 days
Working Diagnosis	multi-lobar pneumonia, NPC...
Progress Note	* Clinically on dry side not much sputum dry mouth++ severe pneumonia ? aspiration ? CAP
Investigation	
Plan	check legionella titre, urine x legionella antigen continue tazocin + azithromycin fluid replacement

The form is part of a software interface with tabs at the top: Worksheets, Notes, Orders, Lab Data, Forms/Checklists, Discharge Documents, Summary, Other, and Work Folders. A date stamp '15/4/20' is visible in the bottom right corner.

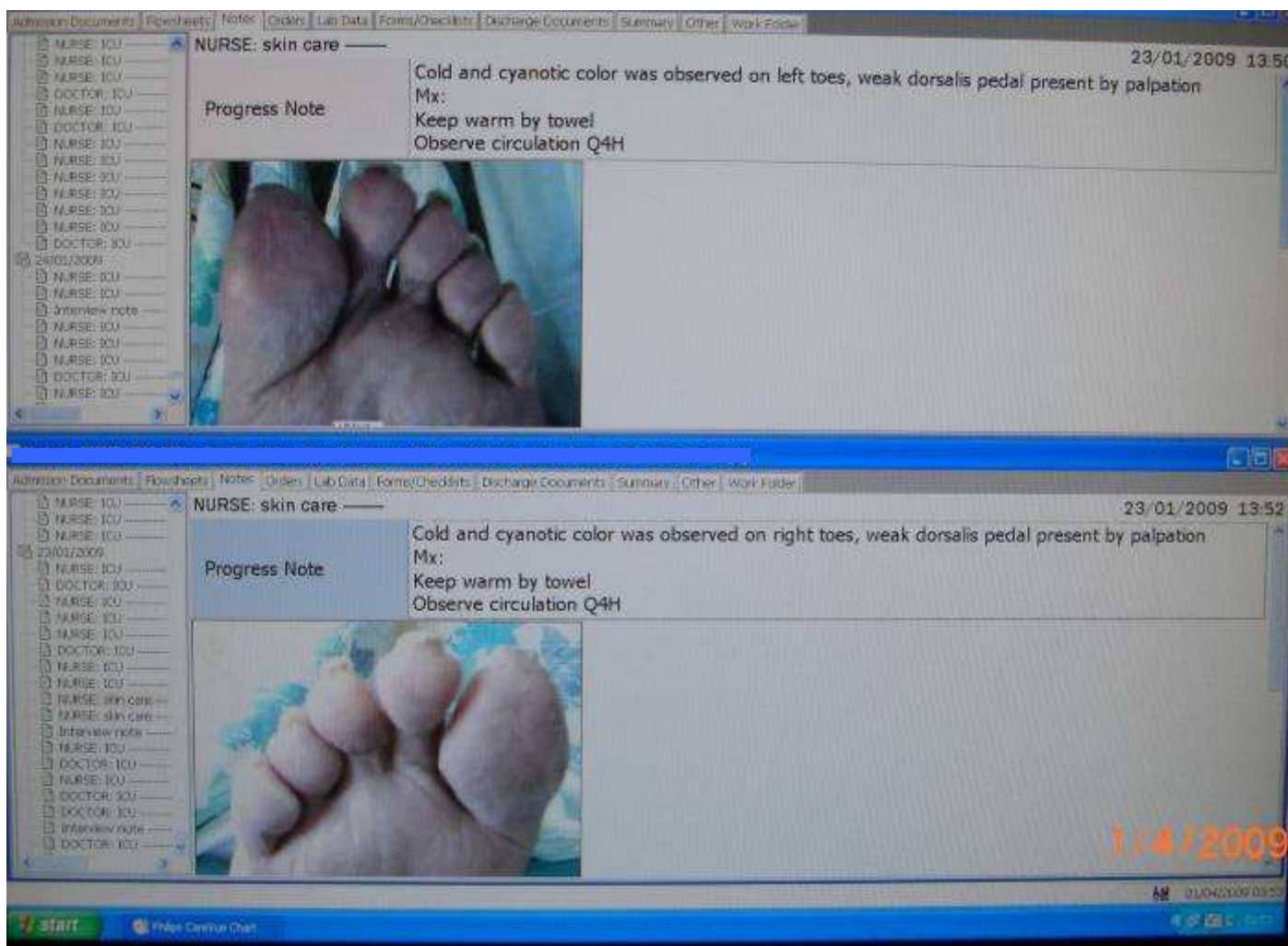
- ...



CIS from the perspective of a CIS Team Member

Daily Practice & Common Problems

Patient Notes Format - Picture is A/V in CIS





Daily Practice & Common Problems

Patient Notes Format - Picture is A/V in CIS

The screenshot displays the CIS interface with a sidebar on the left listing medical history entries. The main area shows a nurse's note titled 'NURSE: skin care' with a 'Progress Note' section. Two photographs of a patient's left elbow are included, both labeled 'Patient's Lt elbow with Creamy discharge'.

Medical History (Left Sidebar):

- 08/04/2009
 - DOCTOR: ICU 00:42
 - NURSE: ICU 22:31
 - NURSE: ICU 20:34
 - NURSE: ICU 19:20
 - NURSE: ICU 17:11
 - DOCTOR: consultation 16:19
 - DOCTOR: ICU 15:42
 - NURSE: ICU 15:07
 - NURSE: ICU 12:51
 - DOCTOR: ICU 10:28
 - NURSE: ICU 10:23
 - DOCTOR: consultation 09:42
 - DOCTOR: ICU 08:27
 - NURSE: ICU 08:16
 - NURSE: ICU 06:24
 - NURSE: ICU 05:11
 - NURSE: ICU 05:01
 - NURSE: ICU 03:39
 - NURSE: ICU 03:37
 - NURSE: ICU 03:30
 - DOCTOR: ICU 03:28
- 07/04/2009
 - NURSE: ICU 22:20
 - DOCTOR: ICU 21:46
 - NURSE: ICU 20:46
 - DOCTOR: consultation 20:21
 - NURSE: ICU 19:33

Nurse's Note (Main Area):

NURSE: skin care

Progress Note

Patient Lt elbow: found some creamy discharge. Swab taken and dressing done.

Photographs:

- Patient's Lt elbow with Creamy discharge
- Patient's Lt elbow with Creamy discharge



CIS from the perspective of a CIS Team Member

Daily Practice & Common Problems

Patient Notes Format - Picture is A/V in CIS





CIS from the perspective of a CIS Team Member

Daily Practice & Common Problems Nursing Order

Admission Documents | Flowcharts | Notes | Orders | Lab Data | Forms/Checklists | Discharge Documents | Summary | Other | Work Folder

Administration Record (Other) **Drug Allergy/Alert: No drug allergy or drug alert** Admit weight: • Height (cm): • BSA:

Medication Administration Record **Administration Record (Other) : Nursing care** 09/04/2008 10/04/2008 11/04/2008 12/04/2008

Order Entry [q24hr] 00:00 - 23:59 00:00 - 23:59 00:00 - 23:59 00:00 - 23:59

Order Reminders

Infusions/Nutrition

Medications

Subsets/Supplements

Lab Tests

Diagnostic Tests/Procedures

Procedures/Units Care

Nursing care

Ventilatory Care

All

Bed Bath+Foley Care* Daily (10am)

Brush Teeth* BD (8,8)

Change A-Line drip set Q4Days (4pm)

Change food tube strapping/clean nostrils* Daily (4pm)

Change Foley St weekly

EvD Insertion site Betadine dressing* Q30Days (4pm)

Mouth + lip care* Q4H

Pending @ 10:00

Pending @ 20:00

Pending @ 08:00

Pending @ 10:00

Pending @ 20:00

Pending @ 08:00

Pending @ 04:00

ICU 010 - 010-07 Gender: Female Age: 57 years I Hgt: 170cm

Admission Documents | Flowcharts | Notes | Orders | Lab Data | Forms/Checklists | Discharge Documents | Summary | Other | Work Folder

Drug Allergy/Alert: No drug allergy or drug alert Admit weight: • Height (cm): • BSA:

Scheduled, One time and STAT

Monitor Strip **Overdue** 10/04/2008 19:26 Ceftriaxone (Rocephin) 1 gr IV Once at 02:50 am on 11/4/08

Worklist

10/04/2008 20:00

11/04/2008 00:00

04:00

06:00

08:00

Brush Teeth* BD (8,8)

Mouth + lip care* Q4H

Turn and back care* Q4H

Ceftriaxone (Rocephin) 1 gr IV Q12H

Dexamethasone 4 mg IV Q6H

Phenytoin (Dilantin) 100 mg IV Q8H

Ranitidine (Zantac) 50 mg IV Q8H

Mouth + lip care* Q4H

Turn and back care* Q4H

Mouth + lip care* Q4H

Turn and back care* Q4H

Dexamethasone 4 mg IV Q6H

Phenytoin (Dilantin) 100 mg IV Q8H

Ranitidine (Zantac) 50 mg IV Q8H

Brush Teeth* BD (8,8)

Mouth + lip care* Q4H

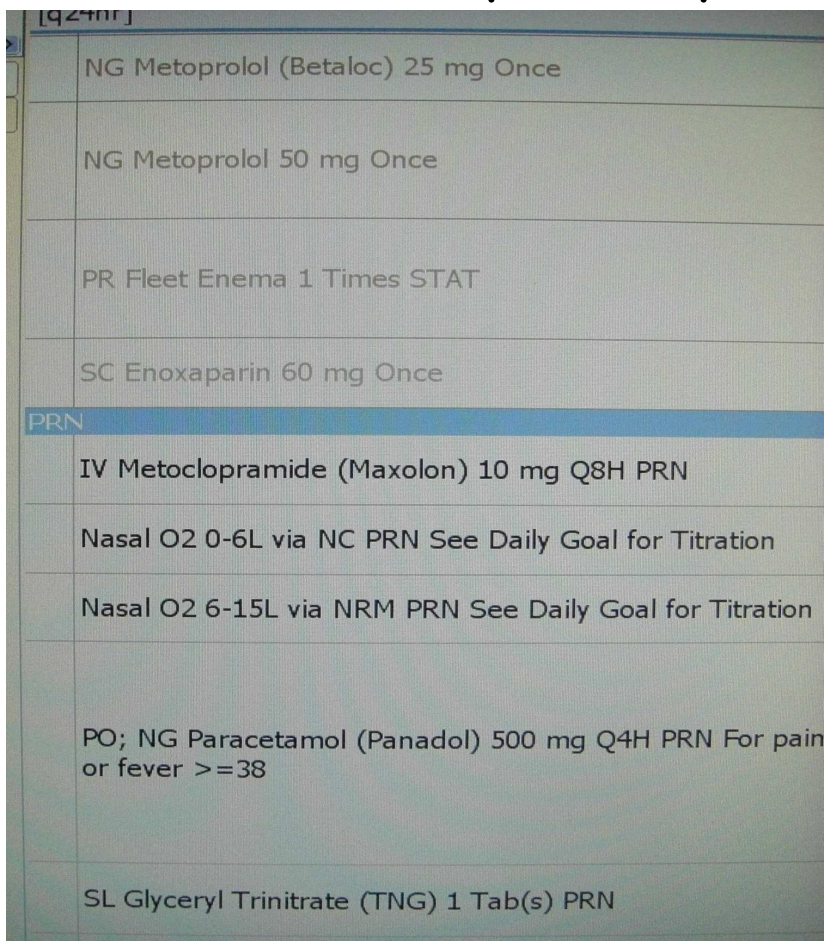
10/04/2008 19:48 COMPLETE BLOOD COUNT - Specimen Type: Blood result at 1405 / An: 08 MCH (vol): 29 / MCHC (vol): 33.7 / Platelets (10^9/L): 216 / MCV (fl): 85.5 / RDW (fl): 11.4 / HCT (fl): 0.34 / Hemoglobin



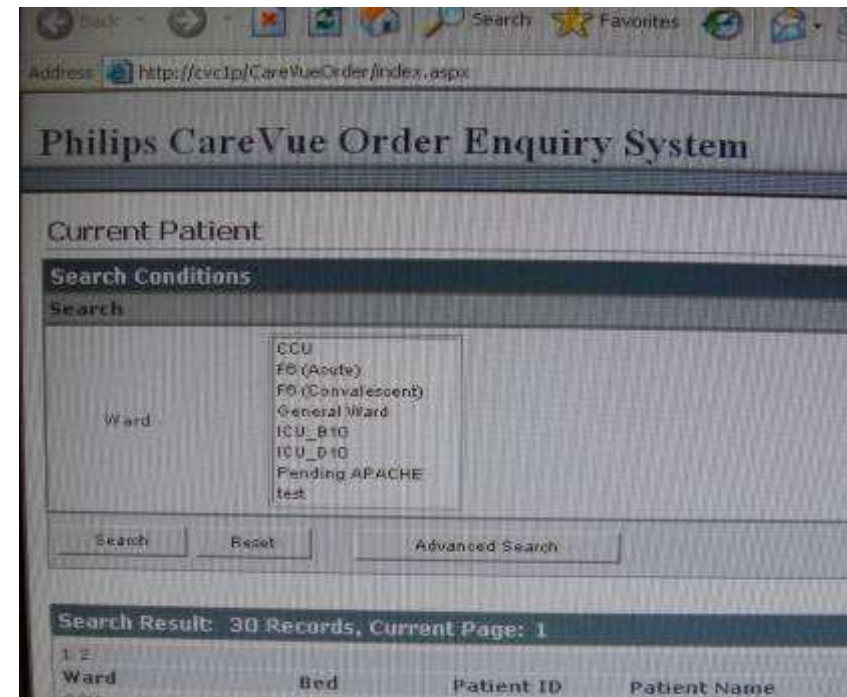
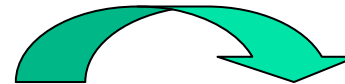
Daily Practice & Common Problems

Drugs Administration

Doctors create prescription



NG Metoprolol (Betaloc) 25 mg Once
NG Metoprolol 50 mg Once
PR Fleet Enema 1 Times STAT
SC Enoxaparin 60 mg Once
PRN
IV Metoclopramide (Maxolon) 10 mg Q8H PRN
Nasal O2 0-6L via NC PRN See Daily Goal for Titration
Nasal O2 6-15L via NRM PRN See Daily Goal for Titration
PO; NG Paracetamol (Panadol) 500 mg Q4H PRN For pain or fever ≥ 38
SL Glyceryl Trinitrate (TNG) 1 Tab(s) PRN



Address: <http://cvc1p/CareVueOrder/index.aspx>

Philips CareVue Order Enquiry System

Current Patient

Search Conditions

Search

Ward	CCU FB (Acute) FB (Convalescent) General Ward ICU_B10 ICU_D10 Pending APACHE test
------	---

Search Reset Advanced Search

Search Result: 30 Records, Current Page: 1

1 2	Ward	Bed	Patient ID	Patient Name
	CCU			



CIS from the perspective of a CIS Team Member

Daily Practice & Common Problems Drugs Administration

The screenshot displays the Philips CareVue Chart interface. The top menu bar includes options like 'Admission Documents', 'Flowcharts', 'Notes', 'Orders', 'Lab Data', 'Forms/Checklists', 'Discharge Documents', 'Summary', 'Other', and 'Work Folder'. The 'Orders' menu is expanded, showing 'Administration Record (Other)' and 'Medications'. A 'Properties for Medication Order' dialog box is open, showing details for 'Famotidine 20 mg NG Daily (Bam)'. The dialog has tabs for 'Summary', 'Details', and 'History'. The 'Details' tab is active, showing 'Pharmaceutical Code: Famotidine', 'Formulation: Famotidine po', 'Route: NG', 'Dose: 20 mg', 'Frequency: Daily (Bam)', 'Allergy/Alert: Yes', and 'Overriding Reason: None'. A red circle highlights the 'Allergy/Alert' field. The main window shows a list of medications and their administration times. A red circle highlights the 'Administration Record (Other)' menu item. Another red circle highlights the 'Drug Allergy/Alert: Yes, see DAW sheet' field in the 'Patient Info' section. The 'Patient Info' section includes fields for 'Patient Name', 'HKID', 'Encounter (Do not enter)', 'Date of Birth', 'Age', 'Gender', 'Special Status', 'Primary Unit Doctor', 'Drug Allergy/Alert', 'Department', 'Demographics', 'Hospital No.', 'Hospital Admit Date', 'Admission Date', 'Admission Source', and 'Patient Ward'. The 'Drug Allergy/Alert' field is circled in red, showing 'Yes, see DAW sheet' and 'Neuro surgery'.

Property = Order details



Daily Practice & Common Problems

Drugs Administration

Common Problems

Allergic status checking

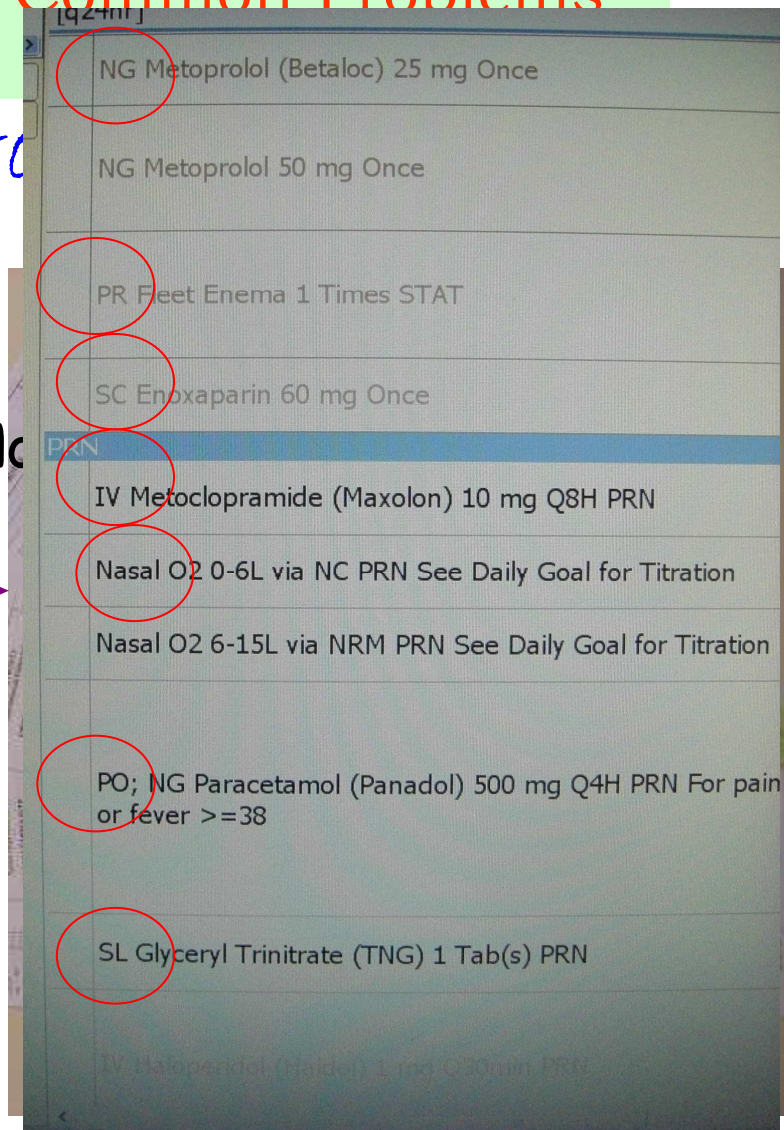
- Admission document
- Orders' property = Orders' details Yes / No

• Aware the route
PO / NG / PR Panadol



• Aware the dosage
e.g.: 1mg Menopenum

• Continue infusion Vs
infusion within few hours\





Daily Practice & Common Problems Drugs Administration

C P R / Emergency / Phone order

- CPR record
- Use of paper stat dose
- Followed by CIS
- Modify stat MAR sheet

Chop	Verbal / Phone order by								☐ CIS entered
	Dr _____								at _____
Chop	Verbal / Phone order by								☐ CIS entered
	Dr _____								at _____
Chop	Verbal / Phone order by								☐ CIS entered
	Dr _____								at _____
Chop	Verbal / Phone order by								☐ CIS entered
	Dr _____								at _____

MAR FOR ONCE ONLY MEDICAL



Retrieve comprehensive patient's parameter in one time especially on ventilator, Hourly infusion.

File

Edit

View

Patient Chart

Documents

Tools

Window

Help

Chng Prg Tpy [v]

Admission Documents

Row Sheets

Notes

Orders

Lab Data

Forms/Checklists

Discharge Documents

Summary

Other

Work Folder

ICU Chart

ICU Chart

ICU Chart-Daily Assessment

Medications Overview

Ventilator Flow Sheet

Vitals 1

Vitals 2

Vital Signs

Respiratory

Neuro Assessment

Drugs/Infusion Titration

Medication

I/O

Lines

Nursing Care

H/Stox

Labs

Daily Goal

Procedure

Cardiac Pacing

Microbiology

Miscellaneous

	10/04/2008 03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Ventilator Flow Sheet:	Cefuroxime (Zinacef) 750 mg IV QID					750 mg IV								750 mg IV				
Vitals 1:	Netrovizacide (Flagyl) 500 mg IV																	
Vitals 2:	Netrovizacide (Metronidazole (Flagyl) 500 mg IV)					500 mg IV								500 mg IV				
Vital Signs:	Aminodurone 150 mg IV Once q 100																	
Respiratory:	Aminodurone 150 mg IV Once q 100																	
Neuro Assessment:	Metoclopramide (Maxicon) 10 mg I																	
Drugs/Infusion Titration:	Ranitidine (Zantac) 50 mg IV Q8H					50 mg IV								50 mg IV				
Medication:	Fexidine 30 mg IV Once																	
I/O:	Paracetamol (Parado) 1000 mg PR							1000 mg PR					1000 mg PR			1000 mg PR		
Lines:	Tamadol 100 mg PR QID					100 mg PR				100 mg PR				100 mg PR				Pending
Nursing Care:																		
H/Stox:																		
Labs:																		
Daily Goal:																		
Procedure:	Non-adrenaline 4 mg/60 ml Start	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	3 ml/hr (3 ml)	2 ml/hr (1.3 ml)	1 ml/hr (1.2 ml)	0 ml/hr (0.7 ml)							(33.8)
Cardiac Pacing:	% to %500 ml+10 mmol KCl	24.5	116.7	70	70	70	70	70	70	26.8	114.3	70	70	70	70	70	70	(1332.3)
Microbiology:	Cefuroxime 250 ml FR																	(0)
Miscellaneous:	Cefuroxime 250 ml FR																	(0)
	Lactated Ringers 500 ml FR									500								(500)
	Lactated Ringers 500 ml FR																	(0)
	NS for A-line 500 ml Cont S.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	(57)
	Oral Intake:																	(0)
	GI out NG to BSB				100					0								(100)
	Chest RT Chest A	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	20	(40)
	Drains RT Abd. Drain A										0							(0)
	Urines Urinary Catheter	30	35	80	50	60	35	35	40	50	35	35	30	25	30	35	25	30
Total In		31 (182)	123 (205)	76 (281)	76 (457)	76 (533)	176 (709)	76 (785)	33 (818)	620 (1437)	74 (1511)	74 (1585)	72 (1658)	72 (1731)	172 (1904)	72 (1977)	72 (2050)	72 (2123)
Total Out		30 (90)	35 (125)	80 (255)	150 (355)	60 (415)	35 (450)	35 (485)	40 (525)	50 (575)	55 (630)	35 (665)	30 (645)	25 (720)	30 (750)	35 (785)	45 (830)	30 (860)
I/O Balance		1 (+92)	88 (+188)	-4 (+176)	-74 (+102)	16 (+118)	141 (+259)	41 (+300)	-7 (-263)	570 (+862)	19 (+881)	39 (+420)	43 (+963)	48 (+1011)	143 (+1594)	28 (+1192)	43 (+1263)	

start

12-Medication-overview

Philips Catheter Chart

Philips Catheter Chart

10/04/2008 20:00



CIS from the perspective of a CIS Team Member

CIS helps the routine nursing care and handover

Workfolder as a reminder according to the time schedule

Philips CareVue Chart - [ICU_B10 - B10-17 - (Gender: Male | Age: 80 years | HK Date:]

File Edit View Patient/Chart Document Tools Window Help

810-17

Admission Documents Flowsheets Notes Orders Lab Data Forms/Checklists Discharge Documents Summary Other Work Folder

Drug Allergy/Alert: Yes, see DAW sheet Admit weight: • Height (cm): • BSA:

Scheduled, One time and STAT

Time	Task
01/04/2009 00:00	☐ Overdue 01/04/2009 00:00 Mouth + lip care* Q4H
01/04/2009 04:00	☐ IV Calcium Gluconate 10% 28 ml Q2H over 15min, during CVVH, 0-3
	☐ Mouth + lip care* Q4H
	☐ Turn and back care* Q4H
06:00	☐ IV Calcium Gluconate 10% 28 ml Q2H over 15min, during CVVH, 0-3
08:00	☐ IV Calcium Gluconate 10% 28 ml Q2H over 15min, during CVVH, 0-3
	☐ Brush Teeth* BD (8,8)
	☐ Mouth + lip care* Q4H
	☐ Turn and back care* Q4H
10:00	☐ IV Calcium Gluconate 10% 28 ml Q2H over 15min, during CVVH, 0-30
	☐ Bed Bath+Foley Care* Daily (10am)
12:00	☐ IV Calcium Gluconate 10% 28 ml Q2H over 15min, during CVVH, 0-30
	☐ IV Cefotaxime (Claforan) 1 gm Q12H
	☐ IV Ranitidine (Zantac) 50 mg Q12H
	☐ Mouth + lip care* Q4H
	☐ Turn and back care* Q4H

1/4/2009

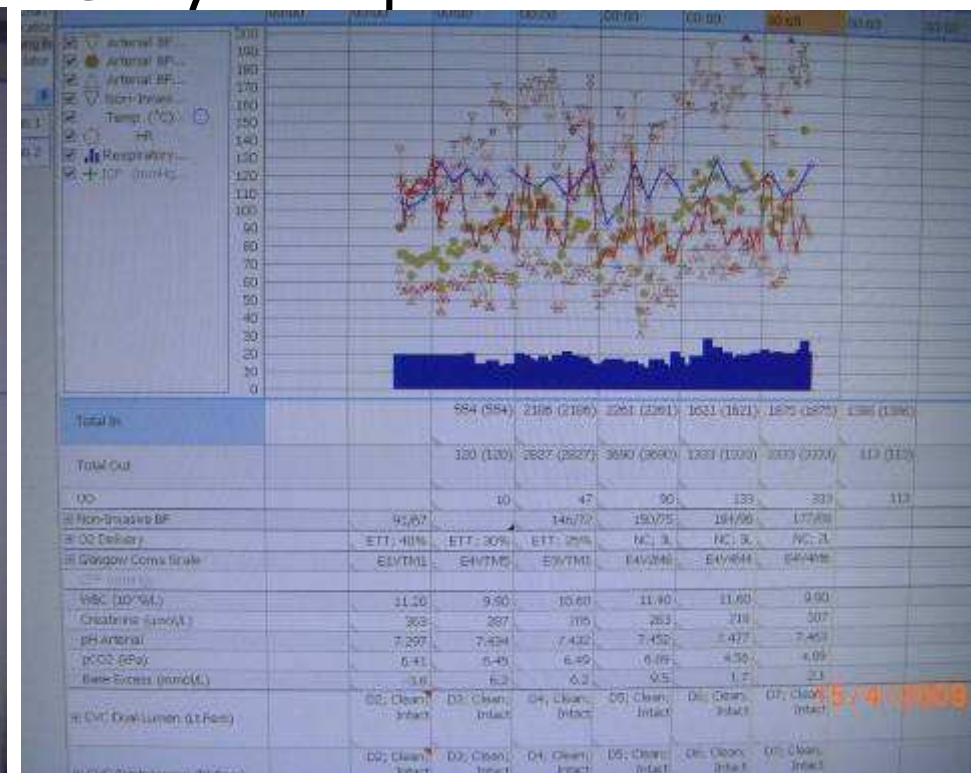


CIS from the perspective of a CIS Team Member

CIS helps the routine nursing care and handover

View format

Hourly view patient's condition Daily view patient's condition

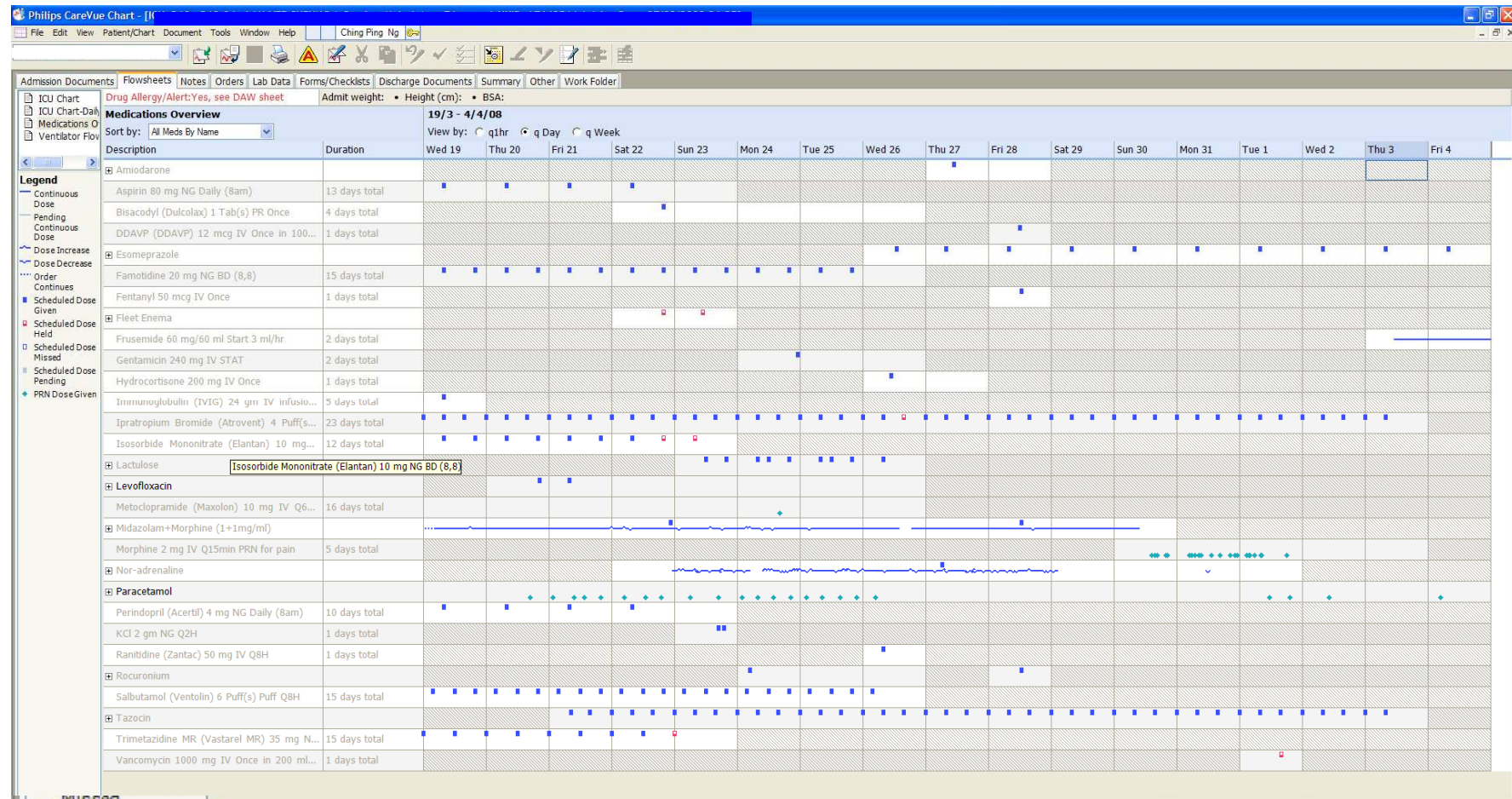




CIS from the perspective of a CIS Team Member

CIS helps the routine nursing care and handover

Medication overview





CIS from the perspective of a CIS Team Member

CIS helps the routine nursing care and handover

Pressure Ulcer documentation

29-12-08

Admission Documents | Flowsheets | Notes | Orders | Lab Data | Forms/Checklists | Discharge

29/12/2008

NURSE: pressure ulcer - Sacral Coccyx

Progress Note

* Review of sacral pressure sore;
size: 10 x 9 cm, stage II
Wound bed: the arrow pointed area
Exudate: moderate yellowish discharge
Tx: NS dressing + dry up the wound
cream + Covered with plain gauze and
Barrier cream applied to the surround

16/12/2008

28/12/2008

Slough

Rt aspect

Lt aspect



System Potential

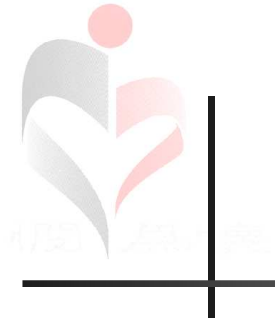
- Contradiction Alert: Allergy
Drugs overdose
Drugs interaction
- Device for Pt identification at drugs administration procedure
- Procedure Reminder e.g.: Routine Laboratory Investigation
- Nursing Care Plan
- Nurse in-charge handover
- Paperless





THE END

THANK YOU !



CIS from the perspective of a CIS Team Member