Slide 1

FEEDBACK ON DISPATCHER-CPR MODULE
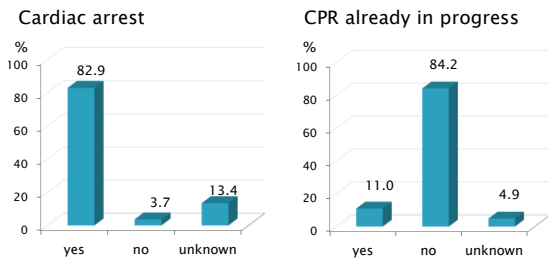: In Seoul

2013. 8.21
Yu Jin Lee
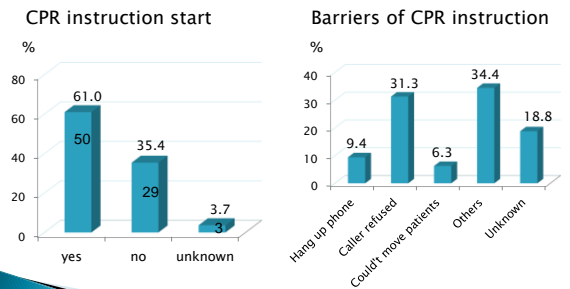**Seoul national university Hospital**

Slide 2

Seoul DA-CPR audit registry

- 2013. 6.1 ~ 6.30
- Total 82 case insert in ePAROS data system
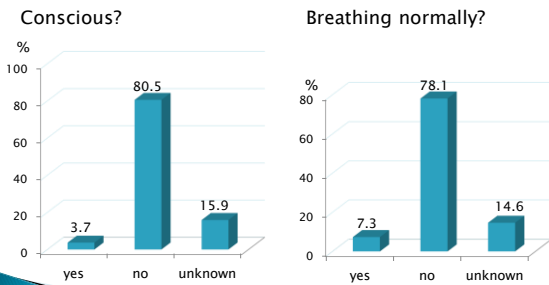- Median Age of patient: 73.5 year old(IQR 32)
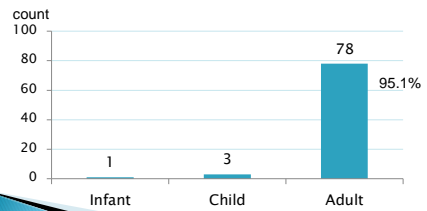
count

	Infant	Child	Adult
count	1	3	78 (95.1%)

Slide 3

Seoul DA-CPR audit registry

Cardiac arrest

%

yes	no	unknown
82.9	3.7	13.4

CPR already in progress

%

yes	no	unknown
11.0	84.2	4.9

Slide 4

Seoul DA-CPR audit registry

CPR instruction start

%

yes	no	unknown
61.0 (50)	35.4 (29)	3.7 (3)

Barriers of CPR instruction

%

Hang up phone	Caller refused	Could't move patients	Others	Unknown
9.4	31.3	6.3	34.4	18.8

Seoul DA-CPR audit registry

Conscious?

Breathing normally?

(Conscious? chart values: yes 3.7, no 80.5, unknown 15.9)
(Breathing normally? chart values: yes 7.3, no 78.1, unknown 14.6)

Seoul DA-CPR audit registry

- Time interval about step 1
  - Mean 96.8sec(±76.2)

- Time interval about step 2
  - Recognition time(N=69)
    - Mean 53.8(±39.2)
  - CPR instruction start time(N=46)
    - Mean 88.7(±43.9)
  - First compression time(N=25)
    - Mean 130.8(±48.9)

Issues/ Concerns with Variables

- Two step dispatch system
  - Time of call
  - Transfer call

- Additional variable
  - AED instruction
  - Bystander defibrillation

Dispatcher instruction registry

Dispatcher Instruction Registry

Dispatcher Audit Registry

Incidence No.		**Date**	YY/MM/DD	**Connected Time**	HH/MM/SS	**Dispatch Agency**	
CPR Performer	□ Family □ Colleague(Friend) □ Passer by □Other( )					
	◆ First Responder (□Health Care Provider □EMT on duty □Police on duty) □ Unknown					
	Age	( ) yrs		**Sex**	□ Male □ Female □ Unknown	
	CPR trained?	□ Yes□ No □ Unknown				

Dispatcher Audit Registry

Time Measures : Time elapsed from the start of the call to		
Time Dispatcher Recognizes need for CPR	MM/SS	**Time CPR Instruction started** MM/SS
Time of First Compression	MM/SS	**Time of First Rescue Breathing** MM/SS
Time CPR Instruction discontinued	MM/SS	**Time Call Finished** MM/SS

1. Patient's Age?	□Adult □Pediatric(1~8yrs) □Infant(<1 yrs) □Unknown			
2. Patient conscious?		□Yes	□No	□Unknown
3. Patient breathing normally?		□Yes	□No	□Unknown
4. Pre-Arrival instruction needed?		□Yes	□No	□Unknown
If 'yes'	4a. Pre-arrival instruction is needed for	□Hanging □Strangulation □Asphyxia □Drowning □Airway Foreign body		
	4b. Pre-arrival instruction given?	□Yes	□No	□Unknown
5. Is this case Cardiac Arrest?		□Yes	□No	□Unknown
6. CPR already in progress before CPR instruction?		□Yes	□No	□Unknown
7. CPR instruction started?		□Yes	□No	□Unknown
If 'No'	8. Cause of CPR instruction not started	□Hang up phone □Not able to convert to speaker phone □Caller refused □Family/Guardian refused □Lack of understanding CPR instruction □Overly distraught	□ Couldn't move patient □ Too exhausted to proceed □ Language barrier □ Others( ) □ Unknown	

Thank you