

VU Research Portal

Remember fast, act skillfully

de Vries, W.

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vuresearchportal.ub@vu.nl

Appendices

Appendix I:








Test form



		1	2	3	4	5	6	7	
	Safety	Not at all effective or even dangerous		Doubt			>	Highly effective	1
	Workspace	Not at all effective or even dangerous		Doubt			>	Highly effective	2
	Shake and shout	Not obvious at all		Doubt			>	Very obvious	3
	Ask for help	Not effective at all or much too late		Doubt			>	Highly effective and on time	4
	Check breathing	Not at all or much too short		Doubt			>	Highly effective	5
	Raise an alarm	Not effective at all or much too late		Doubt			>	Highly effective and on time	6
	Position hands	Too low or too much to the left		> Correct <			Too high or too much to the right		7
	Compression depth	Too shallow		> Correct <			Too deep		8
	Compression rhythm	Too slow		> Correct <			Too fast		9
	Rescue breaths	Not effective at all		Doubt			>	Highly effective	10

Test form



	Ratio compression : ventilation	Less than 28 :2	>	28 :2 – 32 :2	<	More than 32 :2	11
	AED-position	To far from the head	>	Correct	<	Too close to the head	12
	CPR integration	Not effective at all		Doubt	>	Highly effective	13
	Place of the electrodes	Not effective at all		Doubt	>	Highly effective	14
	Clear during analyse	Not effective at all		Doubt	>	Highly effective	15
	Clear during shock	Too less distance	>	Correct	<	Too much distance	16
	Shock delivered	<60s		90s		>120s	17

Appendix II:

Research form Competency of AED-skills

Student information

Name:	
Date of birth:	
Sex:	

Skill performance

Part 1. Approach

<i>STEP 1</i> Safe approach <i>(video)</i>	2. Performed	1. Not performed

<i>STEP 2</i> Check Responsiveness			
Talk <i>(video)</i>	2. Performed	1. Not performed	
Shake <i>(video)</i>	3. Performed-adequately	2. Not performed	1. Potentially dangerous
Shout for help <i>(video)</i>	2. Performed	1. Not performed	

<i>STEP 3</i> Airway & Breathing					
Open Airway <i>(video)</i>	5. Performed as Instructed	4. Performed as per ERC guide	3. Performed other	2. Visibly attempted	1. Not attempted
Check Breathing <i>(video)</i>	4. Correct	3. Incorrect	2. Ineffective Airway not opened	1. Not attempted	

<i>STEP 4</i> Phone 112 <i>(video)</i>			
	3. Phone ambulance	2. Get help – unspecified	1. Not performed

Part 2: CPR sequence

STEP 5 Perform CPR <i>video & registration</i>	3. Performed as advised by AED	2. Performed CPR only	1. Not performed

STEP 6 Hand positioning for chest compressions					
Total number of correct compressions delivered/minute <i>registration</i>	<i>Insert Number :</i>				
Hand position area <i>video</i>	5. Correct	4. Incorrect but effective	3. Incorrect, ineffective, not dangerous	2. incorrect, ineffective, dangerous	1. Not performed

STEP 7 Compression				
Average compression rate <i>registration</i>	6. 90-110	5. 110-120	4. 80-90	
	3. >120	2. <80	1. Not attempted	<i>Insert exact mean score:</i>

STEP 8 Compression			
Average compression depth <i>registration</i>	3. Correct	2. To deep > 51 mm	1. Not deep enough < 38 mm
Return to base line <i>registration</i>	2. Yes	1. No	

STEP 9 Ventilation				
Average inflation volume (in litres) registration	7. 0.4 – 0.6	6. 0.6-1.0	5. 0.2-0.4	4. >1.0
	3. <0.2	2. 0	1. Not attempted	<i>Insert exact mean score:</i>

STEP 10 Ventilation	
Average number of correct inflations delivered/minute registration	<i>Insert number:</i>

STEP 11 Ratio				
Compression to Rescue breath Ratio 30:2 (video & registration)	4. <i>Correct</i>	3. <i>Incorrect Specify:-</i>	2. <i>Compression only</i>	1. <i>Rescue breaths only</i>

Part 3: AED Sequence Shock 1 to 3

STEP 12 Switch on AED (video)			
	3. <i>Performed</i>	2. <i>Attempted not successful</i>	1. <i>Not attempted</i>

STEP 13 Remove clothing (video)			
	3. <i>Performed</i>	2. <i>Attempted not successful</i>	1. <i>Not attempted</i>

STEP 14
Time interval
receipt AED to
switch on (in
seconds)
(video)

Insert time:

.....

STEP 15
Defibrillator
electrode pads
attached correctly
(video)

7. Both
electrodes
completely in
areas

6. One
electrode
completely
in area, one
crossing the
border of area

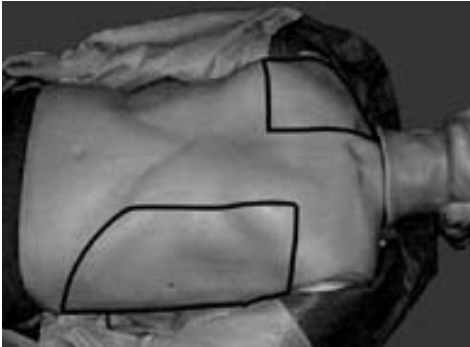
5. Both
electrodes
crossing the
border of area

4. One
electrode
completely
in the area,
one electrode
completely
outside area

3. One
electrode
crossing the
border of area,
one completely
outside the
area

2. Both
electrodes
outside the
areas

1. Electrodes
not attached



STEP 16
Wrong electrodes
Sternal

4. too cranial

3. too caudal

2. too medial

1. too lateral

STEP 17 Wrong electrodes <i>Apical</i>	4. too cranial	3. too caudal	2. too medial	1. too lateral

STEP 18 Time interval receipt AED to attach electrodes (in seconds) <i>(video)</i>	Insert time:

STEP 19 Analysis, attitude Rescuer <i>(video)</i>	2. Rescuer stand clear of the victim	1. Rescuer fails to stand clear of the victim

(Shock advised)

STEP 20 Shock button pushed as directed and shock safety <i>(video)</i>	4. Verbal AND visual checks, shock button pushed	3. Verbal OR visual check, shock button pushed	2. No safety checks and shock button pushed	1. Shock button not pushed

STEP 21 Time interval receipt AED to first shock (in seconds) <i>(video)</i>	<i>registered</i>	<i>Correction factor</i>
	Insert time:	Insert time:

STEP 22 Automatic AED Analysis, attitude Rescuer <i>(video)</i>	2. Rescuer stand clear of the victim	1. Rescuer fails to stand clear of the victim

(After shock)

STEP 23 Check signs of circulation				
Open Airway <i>(video)</i>	4. Performed as ERC guide or maintained	3. Performed—other or maintained	2. Visibly attempted	1. Not attempted
Check signs of circulation <i>(video)</i>	4. Correct	3. Incorrect	2. Ineffective Airway not opened	1. Not attempted
Pulse Check <i>(video)</i>	3. Not Performed	2. Checked Carotid	1. Checked other	

STEP 24 Breathing <i>(video)</i>	2. Attempt	1. Not attempt

STEP 25 Chest compression <i>(video)</i>	2. Attempt	1. Not attempt

Comments: