



**REGION 11  
CHICAGO EMS SYSTEM  
SKILLS**

Title: Chest Seal (HyFin Vent) Application  
 Section: Trauma Management  
 Approved: EMS Medical Directors Consortium  
 Skill Level: BLS/ALS

Name:	Date:
Resource Hospital:	Training Site:
Evaluator:	Signature:

Actual Time Started:	Points Possible	Points Awarded
<b>Selects, checks, and assembles equipment</b>		
HyFin Vented Chest Seal	1	
4X4 gauze pad (included in package)	1	
<b>States Indications for Procedure</b>		
Penetrating chest trauma	1	
Open pneumothorax ("sucking chest wound")	1	
Frothing/bubbling at opening of wound	1	
<b>States Contraindications for Procedure</b>		
None	1	
<b>Performs Procedure</b>		
Applies PPE: gloves	1	
Remove clothing	1	
Open package using external red tabs	1	
Wipe any dirt or fluid from skin with gauze	1	
Grip red tab and peel the transparent backing from the chest seal	1	
Center vent over the wound	1	
Firmly press onto the skin to ensure good seal	1	
Smooth out all edges flat against the skin	1	
Assess front and back of patient carefully for additional wounds and apply second seal as indicated	1	
<b>Reassessment</b>		
Monitor patient for development of a tension pneumothorax if blood accumulates in the all three vented channels of the chest seal	1	

Actual Time Ended: \_\_\_\_\_ Total \_\_\_\_\_ / 16

**Critical Criteria:**

- Failure to take or verbalize personal protective equipment
- Failure to properly apply chest seal
- Failure to reassess patient following chest seal application
- Failure to manage the patient as a minimally competent EMT or Paramedic
- Exhibits inappropriate affect with patient or other personnel
- Uses or orders a dangerous or inappropriate intervention
- Failure to achieve a score of 12 or greater

**Successful**     **Unsuccessful**