Name: __________________________________________

Skill: **Needle Decompression**

Date: ___/___/_____

References: ATLS Ch. 4 pg 127 2nd ed.
Revised GRK

---

**Place a checkmark for each step completed.**

<table>
<thead>
<tr>
<th>Attempt</th>
<th>Initial</th>
<th>Retest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wash hands.</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Introduce themselves to patient.</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Identify the patient (2 sources).</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
<tr>
<td>Explain to patient the procedure and obtain consent.</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
</tbody>
</table>

**Assemble required equipment.**

- Gloves
- Chest decompression kit
- 2” 14G/3” needle/catheter
- glove finger
- betadine or alcohol prep
- tape

**Don appropriate personal protective equipment (PPE).**

**Demonstrate aseptic technique (as appropriate).**

**Perform procedure safely.**

1. Provide high flow oxygen
2. Locate anatomical landmarks
   - 2nd intercostal space in the midclavicular line on the side of the pneumothorax
3. Position patient upright
4. Prepare the site with alcohol or betadine
5. Select commercial needle assembly, or attach syringe to needle/catheter and withdraw plunger halfway
6. Hold needle perpendicular to skin and insert needle to superior aspect of 3rd rib
7. Insert needle into chest until pop is heard (puncture of the pleura)
8. Advance the catheter over the needle
9. Withdraw needle and syringe, leaving catheter in place
10. Attach glove finder on top of catheter as one way valve
11. Tape catheter in place
12. Prepare for chest tube insertion (if setting appropriate)
13. Verbalize assessment of patient response to procedure
   - General Response
   - Lung Sounds

**Doff PPE appropriately.**

**Educate patient on follow-up care.**

- Call for Emergency Medical Services
- Educate patient on expected side-effects

**Document or verbalize documentation of procedure (EMR).**

**Verbalize indications, contraindications, and complications for procedure.**

**Demonstrate professionalism**

Students who complete all steps during testing PASS. Students who miss one or more steps FAIL and must retest.

Initial Attempt: PASS | FAIL
Faculty: __________________________

Retest: PASS | FAIL
Faculty: __________________________

Keenan 9/2015

(circle one) Comments are recorded on back: Yes / No