Bridging the Gap: Curating critical care resources for incoming APP fellows

Brittany Lyda, PA-C; Sarah Wasz, PA-C; Sarah Vanderlinden, PA-C; Todd Halsey, MBA

**Background**

Variable clinical experience prior to fellowship
- Interest in preparing for the fellowship

12-month APP critical care fellowship
- Didactic education
- Hands-on experience in five ICUs

Problem Identified
- No current learner-centric resource to prepare for critical care education prior to starting the fellowship program.

**Methodology**

Understood current state

Surveyed new hire APPs

Created resources and communication

PDSA

**Results**

Preferred Self Study Medium

<table>
<thead>
<tr>
<th>Number of APPs</th>
<th>Video</th>
<th>Textbook</th>
<th>Podcast</th>
<th>Journals</th>
<th>Powerpoint</th>
<th>Cases</th>
</tr>
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<tbody>
<tr>
<td>10</td>
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Topics reviewed by participants vs What they recommended

- Personally Reviewed
- Recommended Viewing

N = 10 (5 PA and 5 NPs)

**Deliverables**

Learner Identified Topics

Acid-Base Disorders | Mechanical Ventilation | Shock States | Vasopressors

**Example Topic-based Learner Guide**

**Mechanical Ventilation:**

<table>
<thead>
<tr>
<th>Resource</th>
<th>Medium</th>
<th>Cost</th>
<th>Login required</th>
<th>Time</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Ventilator Book®</td>
<td>Textbook</td>
<td>$25 (Free PDF available online)</td>
<td>No</td>
<td>1-2hrs</td>
<td>Basic and advanced explanation of wide range of ventilator modes</td>
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<tr>
<td>Ventilator Management®</td>
<td>Journal Article</td>
<td>Free</td>
<td>No</td>
<td>15-30min</td>
<td>Basic definitions of ventilator modes</td>
</tr>
<tr>
<td>Trauma ICU Rounds®</td>
<td>Podcast</td>
<td>Free</td>
<td>No</td>
<td>1-1.5hrs</td>
<td>Basic and advanced explanation of ventilator modes</td>
</tr>
<tr>
<td>FCCS Book®</td>
<td>Textbook</td>
<td>Free w/ Fellowship</td>
<td>No</td>
<td>2-3 hrs</td>
<td>Assessment and management of respiratory failure</td>
</tr>
</tbody>
</table>

**Lessons Learned**

- Problem solving approach
- PDSA
- Change management

- Understand the audience
- Recognize different learning styles
- Pre-program critical care knowledge is limited

**Citations**


**Process Improvement**

- Planning for maintenance
- Perform PDSA cycles