See You PICU: Piloting a Web-Based Resource for Patients and Families After Discharge from the Pediatric Intensive Care Unit

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**Background**
- Children continue to experience effects of critical illness months to years after pediatric intensive care unit (PICU) discharge
- Post-PICU problems fall across a number of different domains

**Post-PICU Problem Domains**

<table>
<thead>
<tr>
<th>Physical Function</th>
<th>Cognition</th>
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<tbody>
<tr>
<td>Motor</td>
<td>Memory</td>
</tr>
<tr>
<td>Respiration</td>
<td>Attention</td>
</tr>
<tr>
<td>Feeding</td>
<td>School performance</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Emotion</th>
<th>Family</th>
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</thead>
<tbody>
<tr>
<td>PTSD</td>
<td>Parental PTSD</td>
</tr>
<tr>
<td>PTSS</td>
<td>HRQOL</td>
</tr>
<tr>
<td>Anxiety</td>
<td>HRQOL</td>
</tr>
<tr>
<td>Depression</td>
<td>HRQOL</td>
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</tbody>
</table>

**Specific Aims**
- Develop a website to be used as a resource for PICU patients and their families after discharge
- Determine the feasibility of introducing the website as a post-discharge resource
- Elicit parent feedback on the utility of the website

**Content Creation**
- Conducted a literature review on post-discharge outcomes of PICU survivors and their families
- Conducted a landscape survey of existing PICU follow-up clinics and websites
- Created website content based on information from the literature combined with existing resources from the PICU Passport previously designed by our study team

**Data Collection**
- Survey designed to assess initial perceived utility of website using a 5-point Likert scale and open-ended questions
- Prior to discharge, families will be introduced to the website by a member of study team and surveyed for initial feedback
- Patient demographics and medical data will be obtained from the patient’s medical records
- Families will be sent a follow-up survey via email one month after discharge

**Feasibility: Criteria for Success**
- Initial criteria for evaluation of intervention’s feasibility, as measured by percent of families:
  - Introduced to website 85%
  - Rating website as helpful 75%
  - Reporting post-PICU use 50%

**Results**
- These are sample results

**Samples Pages from See You PICU Website**

**Selected References**

**Methods**

**Samples Pages from See You PICU Website**

**Next Steps**
- Assess fulfillment of feasibility criteria -- may need to amend protocol if criteria not met
- Look for trends in utility ratings based on patient demographics and medical factors Use parent feedback to amend content and layout of the website to better meet families’ self-identified needs
- Elicit additional feedback from members of PICU care team and others involved in PICU follow up

**Strengths**
- Fits well into larger study of PICU outcomes; easy data collection
- Low cost intervention; easily scalable
- Data collection includes open-ended feedback that can be used to improve intervention

**Limitations**
- Email follow up, likely low response rate
- Utility assessment based on subjective parent report
- No outcome measurement to determine effect of intervention on post-PICU outcomes

**Acknowledgements**
- Luai Zakaria
- Grace Caldwell
- Funding:
  - The Bucksbaum Institute for Clinical Excellence