**INTRODUCTION:**

Children with multi-developmental disabilities make them heavily rely on caregivers for their daily care and require gastrostomy feeding (Lee & Spratling, 2014). Half of them suffer from preventable gastrostomy common complications like inflammation of the gastrostomy site after home leave. However, no standardized education material guides caregivers on prevention and management of gastrostomy common complications.

**METHODS:**

- Developed home care booklet, standardized assessment forms, skill demonstrated video, and home care kit
- Staff workshop on Evidence-based Home Care Program
- Caregivers workshop on Evidence-based Home Program
- Evaluation on effectiveness of the program by clinical records and satisfaction survey

**RESULTS:**

1. Staff workshop: Knowledge and skills of all nurses are competent
2. Caregivers workshop: Knowledge and skills of all caregivers were significantly enhanced
3. No abnormal signs at gastrostomy site were found after the implementation of the program
4. Both staff and caregivers satisfied with the program

**Knowledge Assessment on Home Care of Gastrostomy Common Complications Before and After Training**

<table>
<thead>
<tr>
<th></th>
<th>Mean Score of pre-quiz</th>
<th>Mean Score of post-quiz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nurses</td>
<td>5.3</td>
<td>10</td>
</tr>
<tr>
<td>Caregivers</td>
<td>4.2</td>
<td>9.6</td>
</tr>
</tbody>
</table>

Mean scores enhanced around 50%

**Preventable**

- Staff and Caregivers Competence of Performance on Skills after Training