Video Education Increases Patient Attainment of Target Phosphorus Levels

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The value of video education in the dialysis setting has not been reported in the literature. We assessed the acceptance of a video education project and its effectiveness in improving the percent of patients with phosphorous (P) levels within the recommended range (≤ 5.5 mg/dL).

Eleven of 13 dialysis centers in one region of a large dialysis organization (LDO) participated in the video education project. Center census ranged from 13 to 141 patients. A mixed linear model was employed to assess changes in percent of patients who had P levels within range (≤ 5.5 mg/dL) before and after the program.

The percent of patients within P range is shown.

<table>
<thead>
<tr>
<th>Center-level mean</th>
<th>Mean pts/center</th>
<th>Before program 08/09-01/10</th>
<th>After program 04/-06/10</th>
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<tbody>
<tr>
<td>Participating (11)</td>
<td>49</td>
<td>69.9</td>
<td>72.8</td>
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Of the over 300 patients who completed a post-video questionnaire, 79% indicated videos increased their overall knowledge of dialysis and 80% want more video education in the future.

The 2.9% increase in the % of patients within range for P after a video education program was marginally significant (p=0.059), indicating a larger controlled evaluation might provide useful information.

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