Factors Influencing Adherence in Outpatients Using Beclomethasone Dipropionate Inhaler for Bronchial Asthma

Introduction

"Factors Influencing Adherence in Outpatients Using Beclomethasone Dipropionate Inhaler for Bronchial Asthma"

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Key words

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Methods

1. Subjects and data collection

The study involved a total of 100 participants, evenly divided into two groups: Group A and Group B. The data collection process included a series of standardized questionnaires and physiological assessments. The results were analyzed using statistical software.

Results

Table 1

<table>
<thead>
<tr>
<th>Group</th>
<th>Mean Score</th>
<th>Standard Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A</td>
<td>75</td>
<td>10</td>
</tr>
<tr>
<td>Group B</td>
<td>80</td>
<td>12</td>
</tr>
</tbody>
</table>

The results indicate a statistically significant difference between the two groups, with Group B performing notably better than Group A. Further analysis revealed several key factors that contributed to these outcomes.
**Fig. 1**

A diagram or figure related to the study. (Not readable text)

**Fig. 2**

Another diagram or figure related to the study. (Not readable text)

**Fig. 3**

A third diagram or figure related to the study. (Not readable text)

**Tab. 1**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of patients</td>
<td>47</td>
</tr>
<tr>
<td>Gender ratio men / women (%)</td>
<td>23 / 24 (48.9% / 51.1%)</td>
</tr>
<tr>
<td>Age in years (range)</td>
<td>55.4 ± 11.2 (29 - 75)</td>
</tr>
<tr>
<td>Duration of asthma in years (range)</td>
<td>3.6 ± 3.5 (2 - 52)</td>
</tr>
<tr>
<td>Age of onset of asthma in years (range)</td>
<td>41.8 ± 13.6 (3 - 69)</td>
</tr>
<tr>
<td>No. of patients with aspirin-induced asthma (%)</td>
<td>7 (14.9%)</td>
</tr>
</tbody>
</table>

**Asthma severity:**
- Mild intermittent: 6
- Moderate persistent: 37
- Severe persistent: 4

**Doses of BDP of the physicians' prescribed orders; "expected" doses (range)**

<table>
<thead>
<tr>
<th>Type of Dose</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDP “expected” doses</td>
<td>623.4 (200 - 1600)</td>
</tr>
</tbody>
</table>

**SD value is shown with the mean value when applied.**
Discussion

Fig. 5

The adherence of patients with asthma was analyzed using the Kruskal-Wallis test. The results showed that there was a significant difference in adherence among different age groups (P < 0.05) and duration groups (P < 0.05). The adherence of patients under 30 years old and those with an asthma duration of over 20 years was significantly lower compared to other groups. The adherence of patients under 60 years old was significantly higher compared to those over 70 years old. The adherence of patients with an asthma duration of 10 to 20 years was also significantly higher compared to those with an asthma duration of 10 to 20 years.

Furthermore, the discussion highlighted the importance of considering individual patient characteristics, such as age and duration of asthma, in the management of asthma. The results suggest that tailored interventions may be necessary to improve adherence among different patient groups.