Abstract

For children and persons with severe motor and intellectual disabilities, it is generally impossible to defecate or urinate independently; that is, most of their action for defecation and urination require assistance by other people for a long period of their lives. Inpatient A needs some support for defecation and urination, in spite of her preserved sensation for defecation and urination. Previously, for patient A, the ward nurses put a low table in front of the patient on the floor to avoid leaning forward, placed the bedpan on the floor and helped the patient to sit on the bedpan; however, the patient’s risk of falling out of the regular sitting posture and lying down backward was noticed with an increase in her muscle tension and involuntary movements, requiring a long time to defecate or urinate. The patient often lay down backward with higher muscle tension. For this risk, we considered what type of sitting support would be safer and more comfortable for defecation and urination.

Finally, we developed a novel chair to maintain a sitting position during defecation and urination, which reduces physical distress, decreases the risk of falling or lying down on the floor and enables safe and comfortable defecation and urination.

Fortunately, this chair has become useful in her daily life, giving her time for handicrafts, leading to an increased frequency of smiling.

Key Words: 重症心身障害児(者), 排泄援助, 座位保持用具の検討, 日常生活での笑顔; children and persons with severe motor and intellectual disabilities, support for defecation and urination, chair to maintain the sitting position, smiling in daily life