

音声による視覚障害者への医薬品情報提供 ～ 情報構造が理解度に及ぼす影響 ～

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Oral Provision of Drug Information to Visually Impaired Persons ～ Effect of Information Structure on Understanding ～

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Abstract:

Objective : The effect of information structure on understanding was investigated for oral provision of drug information to visually impaired persons.

Method : Two structures were evaluated:(A) Information on items such as therapeutic effect, dosage and administration, potential side effects, precautions and storage were related sequentially for each prescribed drug. (B) For each item information common between prescribed drugs was combined, and the summarized items were related sequentially. These two structures were compared by means of a hearing test for students of a pharmaceutical university and interviews for visually impaired outpatients of a city hospital. A demonstration tape comprising information on potential side effects and precautions given using method B, and that on other items given by method A was assessed by visually impaired persons at two support centers.

Results : Understanding of precautions, potential side effects and storage was higher when information was related using method B, and four of five outpatients preferred this method. Many of the visually impaired persons evaluated the tape to be acceptable or easily understood; however, around half the subjects did not accurately understand dosage information.

Conclusion : Structure B is recommended for understanding of potential side effects, precautions, and storage. The low intelligibility of dosage information suggests the necessity of further research into systems in which oral information is used in combination with other media, such as unit dose packages and convex seals.

Keywords : visually impaired patients, drug information, oral information