

原 著

病室環境の評価に関する研究 —ダニ数と埃の感じ方に関する調査からの分析—

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Evaluation of hospital environments: Analysis based on
an investigation into the mite density in wards and
patient's degree of dust sensitivity

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Abstract

Maintenance of a clean hospital is important for the recovery of patients.

To establish the level of cleanness examined in this study, the number of mites, quantities of dust and carbon dioxides, as well as temperature and humidity were measured.

A questionnaire about subjective assessment of dust levels was also administered for an analysis of the relevance of feelings about mites and dust. And from the result, maintenance was estimated as the environment, which aimed at the improvement in QOL of recuperation, and the consideration about maintenance was performed.

The subjects were patients hospitalized on three floors in the internal medicine ward of a hospital attached to a university. 79 persons participated in the study measuring the number of mites, 116 persons in the questionnaire, and obtained cooperation except for 18 persons of the hospitalization in front of an investigation period, or bed movement during a period in both investigations from 79 persons.

Environment and maintenance were assessed according to the cleanliness standards established by WHO. Moreover, the participants were divided into two groups according to the number of ticks reported. The group with more mites had the intentionally high rate to which it was pre-supposed that dust felt compared with a fewer group. This suggested that maintenance of the environment which takes patients' sensitivity into account is more effective.

We conclude that it is important to use the patients' opinions and to measure mite density when performing environmental maintenance.

Key words

environmental maintenance, evaluation, mites, dust

要 旨

病室の清潔維持は患者の回復に重要であり、本研究では「ダニ数と埃，二酸化炭素，温度，湿度」の測定と「埃の感じ方」に関する調査及び「ダニ数と埃の感じ方の関連」から，療養生活のQOL向上を目指した環境及び整備の評価と検討を行った。対象は大学附属病院内科病棟3フロアーの入院患者であり，ダニ測定では97名，意識調査では116名，両調査では79名（調査期間直前の入院又は期間中のベッド移動の18名を除く）から協力を得た。その結果，各測定値をWHOの衛生基準などから判断し，現在の環境及び整備が妥当であると評価された。またダニ数の測定結果を2群に分け，埃の感じ方との関連を分析したところダニ数の「やや多い・普通」が「少ない」に比べ，埃を感じるとした割合が有意に高かった。以上から本研究で使用した「ダニ測定」の評価により環境整備内容を確認し，さらに患者の環境への感じ方をいかして環境改善に取り組むことの必要性が示唆された。

以上より患者の感覚的判断を取り入れた環境整備の有効性が示唆され，その効果的活用が今後の検討課題として考えられた。

キーワード

環境整備，評価，ダニ，埃