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Validity and Reliability of Radar Questionnaire for Patients with Rheumatoid Arthritis

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Abstract

Rheumatoid arthritis (RA) is a chronic debilitating autoimmune disease modifying anti-rheumatic drugs (DMARDs) are needed to modify the progression of RA. Therefore, a practical tool to monitor disease activities of RA is needed. The objectives of this study were to determine physician-patient agreement, and patient-patient reliability of RADAR questionnaire translated to Bahasa Indonesia. Twenty two patients who fulfilled The ACR Revised Criteria 1987 for RA, not illiterate, and understand Bahasa Indonesia were included in this study. To determine the agreement, questionnaire A is firstly completed by the physician, on only for questions 6, then compared to question no 6 of questionnaire B which is completed by the patient. To determine the reliability, all questions of questionnaire B is blindly compared to all questions of questionnaire C. Without knowing by the patients, questionnaire C is completed 2 hours afterwards. ICCs were used to measure agreement and reliability. The results showed that more than 60% of the ICC values of physician-patient agreement were > 0.65 and more than 90% of the ICC values of patient-patient reliability were > 0.65. In conclusion, RADAR questionnaire translated to Bahasa Indonesia showed substantial validity and reliability.

Keyword : agreement, reliability, RADAR, questionnaire, Rheumatoid, Arthritis, ,

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