



The Sensitivity and Specificity of Score for Allergic Rhinitis (SFAR) Questionnaire as a Diagnostic Tool for Allergic Rhinitis in H. Adam Malik General Hospital, Medan

Septia Devi¹ *, Delfitri Munir¹, Ferryan Sofyan¹

¹Department of Otorhinolaryngology-Head and Neck Surgery, Faculty of Medicine, University of Sumatera Utara/H. Adam Malik General Hospital, Medan, Indonesia

Abstract : Background: The Skin Prick Test (SPT) is the gold standard for diagnosing allergic rhinitis (AR), however, its availability is still limited hence the need of the alternative options which are simple, fast, cost-effective, easy-handled by general practitioners, and have a low rejection rate for AR are required. Score For Allergic Rhinitis (SFAR) is a questionnaire that has been used in several studies for the identification of AR.

Aim:To evaluate the sensitivity and specificity of the SFAR questionnaire for diagnosing AR.

Method:This was across-sectional study conducted in the ENT-HN outclinic of H. Adam Malik General Hospital, Medan with a sample size of 42 patients. The study performed the anamnesis, physical examination, the SFAR questionnaire test, and SPT. The diagnosis of AR was made if the SFAR score was ≥ 7 and a score of <7 was defined as not AR.

Results:Among the 42 patients, the SFAR ≥ 7 and positive skin prick test was found in 38 patients (90.5%). The sensitivity of the SFAR questionnaire was 97% and the specificity was 33% with a positive predictive value of 95% and a negative predictive value of 50%.

Keywords : Allergic Rhinitis, Skin Prick Test, Score For Allergic Rhinitis.

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