

KORELASI LUND-MACKAY DENGAN HARVARD *STAGING SYSTEM* PADA GAMBARAN CT RHINOSINUSITIS KRONIS

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INTISARI

Latar Belakang: Rhinosinusitis kronis di Indonesia mempunyai angka kesakitan cukup tinggi. Suatu pemeriksaan CT scan dengan penilaian *staging* diperlukan dalam memberikan informasi bagi dokter THT untuk pemilihan terapi, memperkirakan luasnya tindakan dan memperkirakan keluaran post tindakan. Staging sistem Lund-Mackay dan Harvard merupakan staging yang tidak memerlukan *software* khusus dan diharapkan dapat dipergunakan dalam praktek sehari-hari.

Tujuan: Untuk mengetahui korelasi Lund – Mackay dengan Harvard *staging system* pada gambaran CT rhinosinusitis kronis.

Bahan dan Metode: Penelitian observasional *cross sectional* retrospektif ini menggunakan data pasien yang telah melaksanakan CT scan paranasal pada tahun 2017-2018 dan dilakukan staging. Hasil staging dilakukan uji analisis korelasi.

Hasil: Subjek penelitian berjumlah 51, 30 berjenis kelamin perempuan dan 20 laki-laki. Kejadian rhinosinusitis kronis lebih banyak pada sisi kiri sejumlah 45 subjek (88,2 %). Uji korelasi Lund – Mackay dengan Harvard *staging system* didapatkan nilai koefisien korelasi (r) 0,764 dan nilai signifikansi (p) 0,000.

Kesimpulan: Terdapat hubungan signifikan antara Lund – Mackay dengan Harvard *staging system* dengan kategori kuat dan menunjukkan hubungan yang searah.

Kata kunci: CT, Rhinosinusitis kronis, Lund-Mackay, Harvard

LUND-MACKAY CORRELATION WITH HARVARD STAGING SYSTEM ON CHRONIC RHINOSINUSITIS CT IMAGES

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ABSTRACT

Background: Chronic rhinosinusitis in Indonesia has a high morbidity rate. A CT scan with staging assessment is required to provide ENT physicians with information on the choice of therapy, estimate the extent of treatment and estimate post-treatment outcomes. The Lund-Mackay and Harvard staging system are staging system that does not require special software and is expected to be used in daily practice.

Objective: To determine the correlation between Lund - Mackay with Harvard staging system on CT images of chronic rhinosinusitis.

Materials and Methods: This retrospective cross-sectional observational study used data from patients who had performed paranasal CT scans in 2017-2018 and performed staging. The results of staging were tested for correlation analysis.

Results: The research subjects were 51, 30 were female and 20 were male. The incidence of chronic rhinosinusitis was more on the left side of 45 subjects (88.2%). The Lund - Mackay correlation test with the Harvard staging system obtained a correlation coefficient (r) of 0.764 and a significance value (p) of 0.000.

Conclusion: There is a significant relationship between Lund - Mackay and the Harvard staging system which is categorized as strong and shows a unidirectional relationship.

Key words: CT, Chronic Rhinosinusitis, Lund-Mackay, Harvard