

Kadar Eosinofil pada Sputum Penderita Asma Bronkial dalam Serangan di Rumah Sakit Umum Pusat Persahabatan Jakarta = Eosinophil Levels in Sputum of Bronchial Asthma Sufferers in Attacks at Persahabatan Central General Hospital, Jakarta

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Abstrak

Kami menganalisa kadar eosinofil sputum induksi dan eosinofil darah tepi pada 106 pasien asma bronkial dalam serangan di RSUP Persahabatan Jakarta, sejak bulan Januari sampai Juli 1996. Dari 17 penderita dalam serangan derajat ringan, rata-rata APE 89,48% nilai dugaan, persentase eosinofil sputum 12,56%, dan jumlah eosinofil darah tepi 429,77. Dari 31 penderita dalam serangan derajat sedang, rata-rata APE 72,86% nilai dugaan, persentase eosinofil sputum 14,31%, dan jumlah eosinofil darah tepi 544,60. Dari 58 penderita dalam serangan derajat berat, rata-rata APE 46,38%, persentase eosinofil sputum 16,66%, dan jumlah eosinofil darah tepi 304,04. Tidak terdapat hubungan yang bermakna antara persentase APE dengan persentase eosinofil sputum disaat serangan. Kami menyimpulkan bahwa hasil penelitian ini belum dapat membuktikan hubungan antara persentase eosinofil sputum dengan derajat serangan asma bila hanya berdasarkan indikator APE saja.

.....We analyzed level of eosinophils in sputum induced and peripheral eosinophil in 106 asthmatic patients who experiencing exacerbation (asthma attack), in Persahabatan Hospital Jakarta from January to July 1996, In 17 of patients with mild asthma attack, the mean PEFR is 89,48% of predicted, mean percentage of sputum eosinophil is 12,56%, and the mean of peripheral eosinophils count is 429,77 respectively. In 31 of patients with moderate asthma attack, the mean PEFR is 72,86 % of predicted, mean percentage of sputum eosinophils is 14,31%, and the mean of peripheral eosinophils count is 544,60 respectively. In 58 of patients with severe asthma attack, the mean PEFR is 46,36% of predicted, mean percentage of sputum eosinophils is 16,66%, and the mean of peripheral eosinophils count is 304,04 respectively. The percentage of PEFR did not correlated with the mean percentage of sputum eosinophils in asthma attack. We conclude that this analysis did not improved correlation between percentage of sputum eosinophils with degree of asthma attack, if we used percentage of PEFR predicted only.