

Gambaran Pola Perubahan Angka Leukosit Sebelum dan Sesudah Operasi Pada Penderita Apendisitis akut di RS PKU Muhammadiyah Yogyakarta

Malia Agustina¹, H.M. Jisdan Bambang Y.²

Jurusan kedokteran
Program Studi Kedokteran Umum
Program Sarjana Universitas Muhammadiyah Yogyakarta

INTISARI

Apendisitis akut merupakan peradangan pada daerah apendiks vermiformis yang bisa disebabkan karena obstruksi, peradangan, dan infeksi. Adanya proses peradangan tersebut tubuh melakukan sistem pertahanan pertama dengan memproduksi sel darah putih atau leukosit dalam jumlah yang banyak. Sehingga pada apendisitis ditemukan peningkatan angka leukosit (leukositosis).

Penelitian dilakukan di RS PKU Muhammadiyah dengan jumlah responden sebanyak 30 orang. Jenis penelitian *prospektif observasional*, yang dilakukan dari bulan Juni 2005 sampai dengan Maret 2006. Data didapat dengan mencatat angka leukosit sebelum dan sesudah operasi apendisitis akut.

Dari penelitian didapatkan bahwa gambaran pola perubahan angka leukosit sebelum dan sesudah operasi pada penderita apendisitis akut memiliki karakteristik dan dari hasil uji statistic didapatkan nilai kesignifikan sebesar $P=0.003$. Jenis apendisitis akut mempengaruhi jumlah angka leukosit dan ini dibuktikan dengan uji statistic kendall tau sebesar $P=0.009$. Sedangkan jenis kelamin, umur dan jenis operasi tidak mempengaruhi gambaran pola perubahan angka leukosit.

Dari penelitian dapat disimpulkan bahwa gambaran angka leukosit mengalami perubahan sebelum dan sesudah operasi.

**The Picture Of Change Pattern In Leucocytes Rate Before and After
Surgical Operation Acute Appendicitis Patient
In PKU Muhammadiyah Yogyakarta Hospital**

Malia Agustina¹, H.M. Jisdan Bambang Y.²

Jurusan Kedokteran
Program Studi Kedokteran Umum
Program Sarjana Universitas Muhammadiyah Yogyakarta

Abstract

Acute appendicitis is inflammation of the appendix veriformis region and that caused by many things, likes obstruction, infection and the other. Because of the inflammation process, body carry out first defend system with producing white blood cell or leucocytes in large amount to anticipated further inflammation. Because of that increasing rate of leucocytes found in appendicitis (leucocytosis).

This research aimed to observe the change of leukocytes rate before and after operation to acute appendicitis patient in PKU Muhammadiyah Yogyakarta surgery ward.

Research was carried out in PKU Muhammadiyah hospital with 30 respondents. Research using *prospective observational* that done from June 2005 until March 2006. The data received from record of leucocyte rate before and after acute appendicitis operation.

From research was obtained that picture of change pattern in leucocytes rate before and after operation to acute appendicitis patient had characteristic and from statistic test result received the significant number is $P=0.003$. Type of acute appendicitis affected to amount of leucocytes number and this proved with kendall tau statistic test $P=0.009$. Whereas gender, age, and kind of operation doesn't affected the picture of change pattern in leucocytes rate.

From research can concluded that the picture of leucocytes have change before and after surgical operation.

Key Words : Acute Appendicitis, Leucocytes.