

KADAR UREUM DAN KREATININ PADA PENDERITA HIV BERDASARKAN LAMA MENDERITA

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ABSTRAK

Human Immunodeficiency Virus (HIV) adalah virus yang menyerang sistem kekebalan dan melemahkan sistem pertahanan tubuh terhadap infeksi. Virus ini menyerang dan merusak fungsi sel-sel pertahanan tubuh, sehingga imunitas tubuh akan menurun secara progresif. Penurunan sistem kekebalan tubuh yang disebabkan oleh HIV, menyebabkan fungsi organ dalam tubuh bekerja tidak optimal, salah satunya adalah ginjal. Adanya kerusakan ginjal menyebabkan ginjal tidak dapat mengekskresikan hasil metabolisme yang tidak berguna terutama ureum dan kreatinin. Ureum dan kreatinin merupakan hasil metabolisme protein yang pembuangannya diatur oleh ginjal melalui filtrasi glomerulus, kerusakan pada ginjal menyebabkan laju filtrasi glomerulus menurun. Tujuan penelitian ini untuk mengetahui kadar ureum pada penderita HIV berdasarkan lama menderita, untuk mengetahui kadar kreatinin pada penderita HIV berdasarkan lama menderita, serta menganalisis kadar ureum dan kreatinin berdasarkan lama menderita. Sampel sebanyak 27 responden, hasil di uji secara univariat, bivariat dan uji normalitas dengan menggunakan (*saphiro-wilk*). Hasil menunjukkan tidak ada hubungan kadar ureum dengan lama menderita ($p=0,980$) tetapi ada hubungan antara kadar kreatinin dengan lama menderita ($p=0,004$).

Kata Kunci : HIV, Ureum, Kreatinin.

THE LEVELS OF UREA AND CREATININE IN PATIENS WITH HIV BASED ON THE LONG SUFFERING

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ABSTRACT

Human Immunodeficiency Virus is a that attack the immune system and weakens the body's defense system against infection. This virus attack and demages the fuction of the body's defence cells, so the body's immunity will decrease progressively. Decline in the immune system caused by HIV, causing the function of organs in the body to work is not optimal, one of them is kidney. Kidney damage caused the kidneys can notexcreate the result of useless metabolism, especially urea and creatinine. Urea and creatinine is the result of protein metabolism which disposal is regulated by the kidney through glomerular filtration, kidney damage causes the rate of filtration decreased glomerular. The purpose of this study to determine levels of urea in patiens with HIV based on the long-surfering, creatinine levels in patiens with HIV based on the long-surfering and analyze the levels of urea and creatinine in patiens with HIV based on the long-surfering. A sample of 27 respondens, the result in the test of univariat, bivariate and normality test using saphiro-wilk. The result showed no relationship between levels of urea with the long-suffering but there is a relationship between levels of creatinine with long-suffering.

Keywords: HIV, Urea and Creatinine.