

# Pengaruh suplementasi Vitamin C dan E terhadap kadar CReactive protein (CRP) serum pada penderita luka bakar sedang berat. = The Effect of Vitamin C and E supplementations on serum creactive protein level in moderate-severe burn patients

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## Abstrak

*<i><b>Abstract</b></i>*

The Effect of Vitamin C and E Supplementations on Serum CReactive Protein Level in Moderate-Severe Bum Patients.

To study the effect of vitamin C 1000 mg i.v and E 400 mg oral supplementation on serum c-reactive protein level as parameter of inflammation in bum patients.

This study was a one group pre post test that gave i. v 1000 mg vitamin C and ond 400 mg vitamin E supplementations to thirteen moderate-severe bum patients, with percentage of bum less than 60%, in bum unit Cipto Mangunkusumo Hospital. Data were collected using questionnaire, medical record, anthropometric measurement, dietary assessment using fol.lf consecutive days food record. Laboratory test for serum vitamin C, E and serum c-reactive protein levels were evaluated before and after supplementations. Differences in mean values were assessed by Wilcoxon for the not normal distribution.

Results Among thirteen subjects, seven (53.80%) subjects were female, median of age 35 (18-55) years. Body mass index in most subjects (69.2%) were categorized as normal. The median percentages of bum injury 22 (5-57}%, and the frequency of severe bum was 61.50%, while the most cause of bum was flame (76.9%). Level of vitamin C after treatment was increased, but not significant. Level of vitamin E after treatment was significantly increased (!Pi),OI6). Level of CRP after supplementation significantly increased (!Pi).04).

Conclusion There was significantly reduced of level serum CRP after four days vitamin CI 000 mg i. v dan E 400 mg ond supplementations.</i>