

## Korelasi aspek spiritual dengan kadar interleukin-6 serum pada pasien hemodialisis kronik = Correlation between spiritual aspect and interleukin-6 serum level in chronic hemodialysis patients

Wika Hanida, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20414086&lokasi=lokal>

---

### Abstrak

[<b>ABSTRAK</b><br>

Latar Belakang. Pendekatan holistik di bidang Psikosomatik menekankan faktor spiritualitas dan dukungan pada sisi spiritualitas dapat meningkatkan pelayanan serta memperbaiki kondisi psikologis pada pasien. Selama prosedur hemodialisis respon inflamasi akan meningkat dibuktikan dengan peningkatan konsentrasi interleukin-6 (IL- 6). Aspek spiritual yang dapat menurunkan respon inflamasi masih perlu diteliti.

Tujuan. Untuk mengetahui gambaran aspek spiritual pasien yang menjalani hemodialisis kronik dan untuk mengetahui korelasi aspek spiritual dengan kadar IL-6 serum pada pasien yang menjalani hemodialisis kronik.

Metode. Penelitian ini merupakan studi cross sectional dilakukan pada 51 pasien hemodialisis kronik di unit Hemodialisis RSUP. H. Adam Malik dan RSU. Dr. Pirngadi Medan mulai bulan Juli-Agustus 2014.

Pemeriksaan kadar IL-6 serum diukur dengan metode quantitative enzyme-linked immunosorbent assay (ELISA) dilakukan pengambilan sampel darah dan pengukuran spiritual dilakukan dengan pengisian kuesioner FACIT Sp-12 pada pagi hari 30 menit sebelum hemodialisis berlangsung.

Hasil. Skor subskala meaning (makna) 10.67 (SB 2.66), peace (damai) 9.63 (SB 2.19) dan faith (iman) 11.47 (SB 2.91). Nilai median kadar IL-6 serum pada penelitian ini adalah adalah 5,63 (1,48-28,88) pg/mL. Nilai median FACIT Sp-12 adalah 30,00 (18-48). Hasil uji korelasi antara tingkat spiritual dengan kadar IL-6 serum menunjukkan koefisien korelasi -0,330 dengan nilai  $p = 0,018$  yang secara statistik menunjukkan korelasi negatif yang lemah.

Simpulan. Spiritual pada pasien hemodialisis kronik tinggi. Terdapat korelasi negatif yang lemah antara aspek spiritual dengan kadar IL-6 pada pasien hemodialisis kronik.

<hr>

<b>ABSTRACT</b><br>

Background: Holistic approach in psychosomatic focus on spirituality factor and spiritual support is expected to improve services and psychological condition of the patients. Inflammatory response during haemodialysis procedure hence increased with the evidence of increasing level of serum interleukin-6 (IL-6). Further research is still needed to see the spiritual factors that can decrease the inflammatory factors.

Objective: To assess spiritual aspect of chronic haemodialysis patients and to assess correlation between serum IL-6 level and spiritual aspect in chronic haemodialysis patients.

Methods: Cross sectional study on 51 chronic haemodialysis patients at RSUP. H. Adam Malik and RSU dr. Pirngadi Medan between July-August 2014. Serum IL-6 was measured using quantitative enzyme-linked immunosorbent assay (ELISA) methods. Blood samples and spiritual aspect assessment by handing out FACIT

Sp-12 questionnaire to patients were taken in the morning, 30 minutes before haemodialysis.

Results: . Subscale meaning 10.67 (SB 2.66), peace 9.63 (SB 2.19) and faith 11.47 (SB 2.91). Median serum

IL-6 level is 5,63 ( 1,48-28,88 ) pg/mL. Median FACIT Sp-12 is 30,00 (18-48). Correlation test between serum IL-6 level and spiritual aspect have shown statistically weak negative correlation (correlation coefficient -0,330,  $p = 0.018$ ).

Conclusion: spirituality level in chronic hemodialysis patients are higher. Weak negative correlation between serum IL-6 level and spiritual level on chronic haemodialysis patients was found in this study.;Background: Holistic approach in psychosomatic focus on spirituality factor and spiritual support is expected to improve services and psychological condition of the patients. Inflammatory response during haemodialysis procedure hence increased with the evidence of increasing level of serum interleukin-6 (IL-6). Further research is still needed to see the spiritual factors that can decrease the inflammatory factors. Objective: To assess spiritual aspect of chronic haemodialysis patients and to assess correlation between serum IL-6 level and spiritual aspect in chronic haemodialysis patients.

Methods: Cross sectional study on 51 chronic haemodialysis patients at RSUP. H. Adam Malik and RSU dr. Pirngadi Medan between July-August 2014. Serum IL-6 was measured using quantitative enzyme-linked immunosorbent assay (ELISA) methods. Blood samples and spiritual aspect assessment by handing out FACIT

Sp-12 questionnaire to patients were taken in the morning, 30 minutes before haemodialysis.

Results: . Subscale meaning 10.67 (SB 2.66), peace 9.63 (SB 2.19) and faith 11.47 (SB 2.91). Median serum IL-6 level is 5,63 ( 1,48-28,88 ) pg/mL. Median FACIT Sp-12 is 30,00 (18-48). Correlation test between serum IL-6 level and spiritual aspect have shown statistically weak negative correlation (correlation coefficient -0,330,  $p = 0.018$ ).

Conclusion: spirituality level in chronic hemodialysis patients are higher. Weak negative correlation between serum IL-6 level and spiritual level on chronic haemodialysis patients was found in this study., Background: Holistic approach in psychosomatic focus on spirituality factor and spiritual support is expected to improve services and psychological condition of the patients. Inflammatory response during haemodialysis procedure hence increased with the evidence of increasing level of serum interleukin-6 (IL-6). Further research is still needed to see the spiritual factors that can decrease the inflammatory factors. Objective: To assess spiritual aspect of chronic haemodialysis patients and to assess correlation between serum IL-6 level and spiritual aspect in chronic haemodialysis patients.

Methods: Cross sectional study on 51 chronic haemodialysis patients at RSUP. H. Adam Malik and RSU dr. Pirngadi Medan between July-August 2014. Serum IL-6 was measured using quantitative enzyme-linked immunosorbent assay (ELISA) methods. Blood samples and spiritual aspect assessment by handing out FACIT

Sp-12 questionnaire to patients were taken in the morning, 30 minutes before haemodialysis.

Results: . Subscale meaning 10.67 (SB 2.66), peace 9.63 (SB 2.19) and faith 11.47 (SB 2.91). Median serum IL-6 level is 5,63 ( 1,48-28,88 ) pg/mL. Median FACIT Sp-12 is 30,00 (18-48). Correlation test between serum IL-6 level and spiritual aspect have shown statistically weak negative correlation (correlation coefficient -0,330,  $p = 0.018$ ).

Conclusion: spirituality level in chronic hemodialysis patients are higher. Weak negative correlation between serum IL-6 level and spiritual level on chronic haemodialysis patients was found in this study.]