

**POLITEKNIK KESEHATAN KEMENKES TANJUNGPINANG**  
**PROGRAM STUDI TEKNOLOGI LABORATORIUM MEDIS**  
**PROGRAM SARJANA TERAPAN**  
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**Hubungan Frekuensi Dan Lama Hemodialisis  
Dengan Kejadian Infeksi Hepatitis C Di RSUD Menggala**

XXIV + 41 Halaman + 4 Tabel + 5 Gambar + 5 Lampiran

**ABSTRAK**

Infeksi hepatitis C adalah penyakit infeksi pada hati yang disebabkan oleh virus hepatitis C. Infeksi virus hepatitis C merupakan salah satu komplikasi serius yang sering dialami pasien gagal ginjal kronis (GGK) yang menjalani hemodialisis. Penelitian ini bertujuan untuk mengetahui hubungan antara frekuensi dan lama hemodialisis dengan kejadian infeksi hepatitis C di RSUD Menggala. Penelitian ini menggunakan desain cross sectional dengan jumlah sampel sebanyak 60 pasien yang dipilih secara total sampling. Data diperoleh melalui rekam medis dan pemeriksaan serologi anti-HCV. Analisis bivariat menggunakan uji Chi-Square. Hasil penelitian menunjukkan bahwa terdapat hubungan signifikan antara frekuensi hemodialisis  $\geq 50$  kali dengan kejadian infeksi hepatitis C ( $p=0,004$ ;  $OR=6,000$ ). Lama menjalani hemodialisis  $\geq 12$  bulan juga berhubungan signifikan dengan infeksi hepatitis C ( $p=0,004$ ;  $OR=6,000$ ). Kesimpulannya, bahwa semakin sering dan semakin lama pasien menjalani hemodialisis, maka risiko terinfeksi hepatitis C semakin tinggi. Hasil ini diharapkan menjadi dasar peningkatan protokol pencegahan infeksi, serta kesadaran pasien dan tenaga kesehatan dalam mengurangi risiko penularan hepatitis C pada pasien hemodialisis.

**Kata kunci:** Frekuensi, Hepatitis C, Hemodialisis, Infeksi, Lama HD,  
Daftar bacaan: 41 (2010-2024)

**TANJUNGKARANG HEALTH POLYTECHNIC**  
**MEDICAL LABORATORY TECHNOLOGY STUDY PROGRAM APPLIED**  
**UNDERGRADUATE PROGRAM**

*Thesis, June 2025*

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***Relationship Between Frequency and Duration of Hemodialysis and  
the Incidence of Hepatitis C Infection at Menggala Regional General Hospital***

*XXIV + 41 Pages + 4 Tables + 5 Pictures + 5 attachment*

**ABSTRACT**

*Hepatitis C infection is a liver infection caused by the hepatitis C virus. Hepatitis C infection is one of the serious complications often experienced by chronic kidney failure (CKF) patients undergoing hemodialysis. This study aims to determine the relationship between the frequency and duration of hemodialysis with the incidence of hepatitis C infection at Menggala Regional Hospital. This study used a cross-sectional design with a sample size of 60 patients selected by total sampling. Data were obtained through medical records and anti-HCV serology examinations. Bivariate analysis used the Chi-Square test. The results showed that there was a significant relationship between the frequency of hemodialysis  $\geq 50$  times and the incidence of hepatitis C infection ( $p = 0.004$ ; OR = 6.000). Likewise, the duration of hemodialysis  $\geq 12$  months was also significantly associated with hepatitis C infection ( $p = 0.004$ ; OR = 6.000). It can be concluded that the more frequently and longer patients undergo hemodialysis, the higher the risk of hepatitis C infection. These results are expected to be the basis for improving infection prevention protocols, as well as patient and health worker awareness in reducing the risk of hepatitis C transmission in hemodialysis patients.*

**Keyword:**Duration, Frequency, Hepatitis C, Hemodialysis, , Infection

**Reading List:** 41 (2010-2024)