

Korelasi nilai serum alfa fetoprotein terhadap gambaran patologi karsinoma hepatoselular di RSCM = The correlation between alpha fetoprotein serum level and histological differentiation grade of hepatocellular carcinoma

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Abstrak

ABSTRAK

Pendahuluan: Alfa fetoprotein AFP merupakan penanda tumor yang mengalami peningkatan pada karsinoma hepatoselular KHS namun dapat juga normal pada 40 kasus. Peningkatan AFP dikatakan menghasilkan diferensiasi tumor yang buruk. Kasus KHS yang datang ke RSCM cenderung lanjut dengan karakteristik tersendiri. Penelitian ini bertujuan menilai korelasi AFP terhadap derajat diferensiasi KHS di RSCM. Metode: Data 32 kasus KHS di RSCM yang dilakukan hepatektomi dikumpulkan secara retrospektif dari 2010-2016. Data dasar karakteristik pasien dinilai berdasarkan nilai AFP dan derajat diferensiasi. Lalu dilakukan analisis untuk melihat korelasi nilai AFP dengan derajat diferensiasi KHS. Hasil: Nilai rata-rata AFP adalah 20183 ng/mL, usia 51,75 tahun, 81 kasus terjadi pada laki-laki, 59,4 berdiferensiasi buruk, 50 berukuran >5-10 cm, 50 kasus sirosis, dan 68,8 terdapat invasi pembuluh darah. Diferensiasi buruk 42 pada laki-laki, 47,4 pada HbsAg positif, 50 pada Anti HCV positif, 31,2 sirosis, dan 40,9 mengalami invasi pembuluh darah. Nilai AFP 20 ng/mL 42,1 berdiferensiasi buruk. Pada analisis korelasi didapatkan $r=0,203$ dengan $p>0,05$. Kesimpulan: AFP tidak dapat memprediksi derajat diferensiasi karsinoma hepatoselular pada karakteristik kasus KHS di tempat kami.

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ABSTRACT

Background AFP is a tumor marker which is increased in HCC, but might be found normal in 40 cases. Increased AFP implies a worsen tumor differentiation. Correlation between AFP with HCC managed in RSCM Ciptomangunkusumo hospital remains unclear. This study aimed to find the correlation between histological differentiation grade of HCC and AFP serum level. Method A total of 32 of HCC cases following hepatectomy in RSCM during 2010 2016 were enrolled in a retrospective study. Subject characteristics, AFP levels and histological differentiation grade were the variables in this study, and subjected to statistical analysis. Significance found if $p > 0.05$ in diameter, 50 subjects were cirrhotic, and 68.8 subjects with microvascular invasion. AFP level found in range of 0.5 400000 ng mL 20183 SD75580.08 . Among all the subjects 12.5 were well differentiated, 28.1 were moderate differentiated, and 59.4 were poorly differentiated. AFP level 20ng mL was 42.1 . Correlation analysis revealed an $r 0.203$ with $p 0.05$. Conclusion There is no correlation between AFP serum level and histological differentiation grade of HCC in our study