

FAKULTAS KEDOKTERAN

UNIVERSITAS PEMBANGUNAN NASIONAL “VETERAN” JAKARTA

Skripsi, 7 Desember 2023

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PENGARUH KADAR *PROSTATE SPECIFIC ANTIGEN* (PSA) DAN KADAR KALSIMUM TERHADAP GLEASON SCORE PADA PASIEN ADENOKARSINOMA PROSTAT DI RSPAD GATOT SOEBROTO TAHUN 2019-2022

RINCIAN HALAMAN (xx + 75 halaman, 7 tabel, 11 gambar, 9 lampiran)

ABSTRAK

Pendahuluan

Adenokarsinoma prostat merupakan jenis keganasan yang paling umum terjadi pada prostat sekitar 95% dan menempati peringkat kelima sebagai kanker paling umum pada pria. Kalsium diketahui menjadi salah satu faktor risiko yang memengaruhi perkembangan adenokarsinoma prostat. Pemeriksaan kadar PSA merupakan serum marker penting untuk mendiagnosa adenokarsinoma prostat, sementara tingkat diferensiasi dapat dinilai menggunakan sistem Gleason score yang berperan sebagai prediktor prognosis yang baik.

Tujuan

Tujuan dari penelitian ini untuk mengetahui pengaruh dari kadar PSA dan kadar kalsium terhadap Gleason score pada pasien adenokarsinoma prostat di RSPAD Gatot Soebroto tahun 2019-2022.

Metode

Metode penelitian analitik observasional dengan desain penelitian cross-sectional menggunakan data rekam medis 60 pasien adenokarsinoma prostat. Analisis penelitian ini menggunakan uji Spearman correlation.

Hasil

Hasil analisis bivariat menunjukkan tidak terdapat hubungan yang signifikan antara kadar kalsium dengan Gleason score dengan nilai $p = 0,559$ dan terdapat hubungan yang signifikan antara kadar PSA dengan Gleason score dengan nilai $p = 0,002$.

Kesimpulan

Dapat disimpulkan bahwa terdapat korelasi yang signifikan antara pengaruh kadar PSA dengan Gleason score pasien adenokarsinoma prostat dan tidak terdapat korelasi yang signifikan antara pengaruh kadar kalsium dengan Gleason score pasien adenokarsinoma prostat di RSPAD Gatot Soebroto tahun 2019-2022.

Daftar Pustaka : 28 (2013-2022)

Kata kunci : Adenokarsinoma Prostat, PSA, Kalsium, Gleason score

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UNIVERSITY PEMBANGUNAN NASIONAL “VETERAN” JAKARTA**

Undergraduate Thesis, December 7th 2023

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**THE INFLUENCE OF PROSTATE SPECIFIC ANTIGEN (PSA) LEVELS
AND CALCIUM LEVELS ON GLEASON SCORE IN PATIENTS WITH
PROSTATE ADENOCARCINOMA AT GATOT SOEBROTO ARMY
HOSPITAL IN 2019 - 2022.**

PAGE DETAIL (xx + 75 pages, 7 tables, 11 pictures, 9 appendices)

ABSTRACT

Introduction

Prostate adenocarcinoma is the most common malignancy occurring in the prostate, accounting for approximately 95%, and ranks fifth as the most common cancer in men. Calcium is known to be one of the risk factors influencing the development of prostate adenocarcinoma. The examination of PSA levels is an important serum marker for diagnosing prostate adenocarcinoma, while the degree of differentiation can be assessed using the Gleason score system, which serves as a good prognostic predictor.

Objective

This study aims to determine the influence of PSA levels and calcium levels on Gleason scores in patients with prostate adenocarcinoma at RSPAD Gatot Soebroto from 2019 to 2022.

Method

The research method employed is an analytical observational study with a cross-sectional research design using medical record data from 60 patients with prostate adenocarcinoma. The research analysis utilizes the Spearman correlation test.

Results

Bivariate analysis results indicate no significant relationship between calcium levels and Gleason scores with a p-value of 0.559, while a significant relationship is observed between PSA levels and Gleason scores with a p-value of 0.002.

Conclusion

The conclusion drawn is that there is a significant correlation between the influence of PSA levels and the Gleason score in patients with adenocarcinoma of the prostate, and there is no significant correlation between the influence of calcium levels and the Gleason score in patients with adenocarcinoma of the prostate at RSPAD Gatot Soebroto from 2019 to 2022.

References : 28 (2013-2022)

Keywords : Prostate adenocarcinoma, PSA, calcium, Gleason score