

**HUBUNGAN KADAR ENZIM 5-ALFA REDUKTASE,
DIHIDROTESTOSTERON DENGAN DERAJAT KEPARAHAN
ALOPESIA ANDROGENETIK PRIA PADA RESIDEN DI RSUP
DR.M.DJAMIL PADANG**

TESIS



**Pembimbing I : Dr. dr. Satya Widya Yenny, Sp.KK(K), FINSDV, FAADV
Pembimbing II : dr. Gardania Akhyar, Sp.KK(K), FINSDV**

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Herkamela, Satya Wydy Yenny, Gardenia Akhyar
Program Studi Dermatologi dan Venereologi
Fakultas Kedokteran Universitas Andalas/RSUP Dr.M.Djamil Padang
Email : Herkamela0909@gmail.com

Abstrak

Latar belakang : Enzim 5-alfa reduktase tipe 2 (5AR2) dan DHT berperan dalam patogenesis alopecia androgenetik pria. Terjadi peningkatan kadar enzim 5AR2 dan DHT dihubungkan dengan derajat keparahan pada AAP. Hingga saat ini belum ada penelitian tentang hubungan kadar enzim 5AR dan DHT terhadap derajat keparahan AAP.

Tujuan : Untuk mengetahui hubungan kadar enzim 5AR2 dan DHT dengan derajat keparahan AAP.

Subjek dan Metode : Penelitian ini merupakan penelitian observasional dengan metode penelitian potong lintang (*cross sectional*). Penelitian ini menggunakan sampel berupa serum darah dari residen pria di RSUP Dr.M.Djamil Padang yang menderita AAP

Hasil : Pada penelitian ini didapatkan hasil kadar enzim 5AR2 yang meningkat sesuai dengan derajat keparahan AAP dengan rerata \pm SD 882,27 pg/mL \pm 918,18 pg/mL. Secara statistik perbedaan tersebut tidak bermakna dengan nilai $p > 0.05$. Hasil kadar DHT dalam batas normal dengan rerata \pm SD 344,13 pg/mL \pm 123,84 pg/mL dengan nilai $p > 0.05$, secara statistik tidak bermakna. Hasil penelitian yang menunjukkan hubungan kadar DHT dengan AAP tidak ada.

Kesimpulan : Terjadi peningkatan kadar enzim 5AR2 dan kadar DHT dalam batas normal, meskipun secara statistik tidak ada perbedaan.

Kata kunci: Alopecia androgenetik pria, derajat keparahan AAP, DHT, 5-Alfa reduktase

RELATIONSHIP BETWEEN 5-ALFA REDUCTASE, DHT ENZYME LEVELS WITH SEVERITY OF MALE ANDROGENETIC ALOPESIA IN RESIDENCE AT DR.M.DJAMIL PADANG Hospital

Herkamela, Satya Wydya Yenny, Gardenia Akhyar
Program Studi Dermatologi dan Venereologi
Fakultas Kedokteran Universitas Andalas/RSUP Dr.M.Djamil Padang
Email : Herkamela0909@gmail.com

Abstract

Background : The enzymes 5-alpha reductase type 2 (5AR2) and DHT play a role in the pathogenesis of male androgenetic alopecia. An increase in the levels of 5AR2 and DHT enzymes was associated with the severity of AAP. Until now there has been no research on the relationship between 5AR and DHT enzyme levels to the severity of AAP.

Objective : To determine the relationship between 5AR2 and DHT enzyme levels with the severity of AAP.

Subject and Method : This study is an observational study with a cross sectional research method. This study used samples in the form of blood serum from male residen at Dr.M.Djamil Padang Hospital who suffered from AAP

Result : In this study, the 5AR2 enzyme levels increased according to the severity of AAP with an average of \pm SD 882.27 pg/mL \pm 918.18 pg/mL. Statistically, the difference was not significant with $p > 0.05$. The results of DHT levels were within normal limits with an average of \pm SD 344.13 pg/mL \pm 123.84 pg/mL with a p value > 0.05 , statistically not significant. The results showed that there was no relationship between DHT levels and AAP.

Conclusion: There is no relationship between levels of the enzyme 5AR2, DHT and the severity of AAP in male residen at Dr.M.Djamil Hospital, Padang.

Keywords: male androgenetic alopecia, severity of AAP, DHT, 5-alpha reductas



