Abstract

Abstract Title: AR gene polymorphism is strongly associated with androgenetic alopecia

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Abstract (not more than 300 words)

Alopecia is a genetic disorder characterized by distinct forms of baldness. Main reason of alopecia is the imbalance between hair fall and regrowth. Alopecia has two broad types syndromic alopecia which occur along with other clinical conditions like epilepsy, nail dystrophy etc. Non-syndromic alopecia does not show any extra clinical conditions. Androgenetic alopecia (AGA) is commonly known as Male Pattern Baldness. 80% of males above age of 70s and 80s are affected by this condition. High level of circulating androgens which are actually steroid hormones are possible cause of male pattern baldness as scalp hair follicles show sensitivity for these circulating androgens. This association between androgens and Male Pattern Baldness make androgen receptor gene as a promising candidate to check the pathogeneses of AGA. The rs6152 a single nucleotide polymorphism in exon 1 of AR gene has been reported in association with androgenetic alopecia. Therefore, we proposed to study this SNP within random male patients affected by AGA in Pakistan. A total of 100 subjects were analysed and a strong association of rs6152 was found with anadrogenetic alopecia in Pakistani men.

Keywords—Androgenetic alopecia, AR gene, male pattern baldness, rs6152

Professional Biography of Presenting Author (100-150 words)

Dr. Ayesha Maqbool has completed her PhD at the age of 29 years from University of Ulm and postdoctoral studies from Adnan Menderes University, School of Veterinary Medicine at the age of 32 years.
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