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Expression of RBMY1A1 and CDY1 genes in Korean infertile men

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AZF (azoospermia factor) have been reported to disrupt spermatogenesis and caused male infertility. Several genes (DFFRY, DBY, RBMY, CDY and DAZ etc.) responsible for spermatogenesis have been located on Yq 11.2. Among these genes, RBMY and CDY are associated with male germinal cell development. In this study, RT-PCR approach was used to investigate the expression pattern of RBMY1A1 and CDY1 genes in testicular tissue from 42 Korean infertile men. The result indicated that negatively expressed RBMY1A1 was present in 35% of the patients. In case of CDY1 gene, no expression of 66% was appeared, suggesting that CDY1 gene could be strongly related to male infertility.