

New discovery may aid treatment of multiple sclerosis

Mohammed Zafran/DTNN
zafran@dt.bh

Manama

A team of medical researchers in Bahrain announced that they have made an interesting discovery, which could help toward improving the treatment of multiple sclerosis.

Researchers from the Princess Al Jawhara Centre for Molecular Medicine & Inherited Disorders believe their recent discovery will aid in improving the treatment of the auto-immune disease. Their study revealed five genes that were significantly higher in multiple sclerosis patients when compared to control group.

"Multiple sclerosis (MS) is a multi-factorial disease of the Central Nervous System (CNS) affecting young adults leading to significant disabilities over time. MS is now believed to be prevalent in Arabian Gulf area with high incidence due to environmental factors and unknown genetic variations. The objectives of this study was to detect up-regulated potential genes that might be involved in neuroinflammatory process in MS patients in Bahrain and to measure the protein levels of

the expressed genes," the report stated.

A newly introduced technique called microarray was used to examine gene expression. Blood samples from 88 Bahraini MS patients and from 88 from a control group from Salmaniya Medical Complex was used for the study.

Of the 47000 genes examined, the report noted the expression of 15,480 genes and five genes TNF-AIP6, IL-1RA, OASL, CLC and DOCK4 were found to be higher in MS patients.

The study also suggested biomarkers to understand the MS inflammatory process and to analyze treatment response.

The study revealed the five genes that were significantly higher in multiple sclerosis patients when compared to the control group



Princess Al Jawhara Centre for Molecular Medicine & Inherited Disorders



Bringing you a Bigger,
Better,
Stronger, New SBI.



State Bank of India joins the league of Global Top 50 Banks, reaching a unique milestone, With the merger of State Bank of Bikaner & Jaipur, State Bank of Hyderabad, State Bank of Mysore, State Bank of Patiala, State Bank of Travancore and Bharatiya Mahila Bank.

SBI Retail Branch Bahrain welcomes on board the NRI customers of the merged institutions. Our NRI services department is geared to not only continue but strengthen the relationship.

Our Services

Car Loans, Personal Loans, Lockers,
Deposits, Remittance and NRI Services

Please visit our branch or drop in an email at nri.rbbh@statebank.com for more information on NRI services and queries.

Address- State Bank of India, Diplomat City Tower II,
Diplomatic Area, Manama, Kingdom of Bahrain

Ph: +973 17548033

For details, visit bank.sbi

Follow us on [f](#) [t](#) [w](#) [p](#) [i](#) [@](#)

State Bank of India Is Licensed as a Conventional Retail Bank by the Central Bank of Bahrain