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The role of Fibulin-3 in non-melanoma skin cancer of Egyptian patients: Case control immunohistochemical study**Taghreed A. El-Sayed**

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Basal cell carcinoma (BCC) and cutaneous squamous cell carcinoma (cSCC) were categorized as non-melanoma skin cancers. Fibulin-3 is involved in the development of different tumors; however, its role in cSCC and BCC remains unknown. we recently evaluated the role of fibulin-3 in BCC and cSCC and its relation to the available demographic, clinical and pathological data. The current study included 17 patients of BCC, 17 patients of SCC and 17 age and sex matched healthy volunteer as a control group, attending to Dermatology and Plastic Surgery clinics at Menoufia University Hospital during the period between May 2019 and February 2020. We founded that Fibulin-3 expression was significantly down-regulated in cSCC and BCC tissues compared with normal skin ($p=0.018$), Furthermore, there was significant difference between fibulin-3 expression in SCC and BCC groups and the degree of apoptosis (p value = 0.029 and <0.001 respectively) and between fibulin-3 intensity of expression and grade in SCC group (P value = 0.008). The results indicate that decreased fibulin-3 expression in cSCC and BCC was associated with decreased apoptosis of tumor cells thus increasing their proliferation and migration, so fibulin-3 agonist might be of benefit for cSCC and BCC patients.

Biography:

Taghreed A. El-Sayed has completed her M.B.B.Ch at the age of 25 years from Faculty of medicine – Menoufia University, Egypt. She is working resident dermatology at Egyptian ministry of health.

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