



Immunohistochemical Assessment of IL17 and IL 23 Expression in Basal Cell Carcinoma

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SUMMARY. Basal cell carcinoma (BCC) is a common cutaneous neoplasm which is caused by interaction of multiple factors including genetic, environmental and immunologic factors. IL-17 and IL- 23 are crucial cytokines involved in cutaneous immune-mediated inflammatory diseases. The aim was to assess immunohistochemical expression of IL-17 and IL-23 in different BCC subtypes. A total of 20 patients with histological diagnosed BCC of different clinical variant underwent immunohistochemical assessment of IL-17, IL-23 expression by incubation with polyclonal IL-17A primary antibody and purified monoclonal anti-human IL-23 (p19) primary antibody. IL-17 and IL-23 immunostaining showed high expression in both malignant and inflammatory cells. The high expression of IL-17, IL- 23 in BCC supposes the role of these cytokines in BCC pathogenesis.

RESUMEN. El carcinoma de células basales (CBC) es una neoplasia cutánea común causada por la interacción de múltiples factores, incluidos factores genéticos, ambientales e inmunológicos. IL-17 e IL-23 son citocinas cruciales implicadas en enfermedades inflamatorias cutáneas inmunomediadas. El objetivo: evaluar la expresión inmunohistoquímica de IL-17 e IL-23 en diferentes subtipos de CBC. Un total de 20 pacientes con CBC diagnosticado histológicamente de diferentes variantes clínicas se sometieron a evaluación inmunohistoquímica de la expresión de IL-17, IL-23 mediante incubación con anticuerpo primario policlonal IL-17A y anti-IL-23 humana (p19) monoclonal purificado primario. anticuerpo. La inmunotinción de IL-17 e IL-23 mostró una alta expresión en células tanto malignas como inflamatorias. Conclusión: La alta expresión de IL-17, IL-23 en BCC supone el papel de estas citocinas en la patogénesis del BCC.

KEY WORDS: basal cell carcinoma, interleukin 17, interleukin 23.

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