THE ROLE OF NEW SIGNS IN DIAGNOSING ACUTE BRONCHIOLITIS AND DETERMINING DISEASE SEVERITY

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THESIS ABSTRACT

Acute bronchiolitis is a lower respiratory tract disease that can be seen in children aged 2-5 and in adults. In 85% of the cases, RSV and different viral pathogens are shown to be the cause of the disease.

ABI3, CLEC12B, DDIT4L, ZFP1, PIAS4, PPP2R4, WDR33 and IDO are recently discovered proteins that are involved in the regulation of immune responses. Our study was conducted to contribute to the elucidation of the pathogenesis of acute bronchiolitis and to discover new markers in determining the severity of the disease.

APPLICATION AREAS OF THE THESIS RESULTS

In our study results, while decreasing levels of ABI3, PIAS4, DDIT4L and IDO can be shown as candidate markers in the diagnosis and severity of acute bronchiolitis, and their increasing levels in evaluating the response to treatment, CLEC12B, ZFP1 and PPP2R4 levels tend to decrease in patient groups compared to healthy controls, indicating that these markers may indicate a decrease in response to treatment. This shows that it can be used as a candidate marker in the evaluation of Finally, since WDRR33 levels are lower in healthy controls compared to patient groups, we predict that it can be used as a marker in chronic infections with expanded study groups.

ACADEMIC ACTIVITIES

1. Şenbuz, T., Kızmaz, M. A., Şimşek, A., Bozkurt, T., Çağan, E., Işkın, A. E., ... Budak, F.(2022). The Role Of New Sıgns In Dıagnosıng Acute Bronchıolıtıs And Determınıng Dısease Severıty

2. Şenbuz, T., Kızmaz, M. A., Şimşek, A., Bozkurt, T., Tezcan, G., Işkın, A. E., ... Budak, F.(2022). Regulation of NLRP3 inflammasome-related gene expressions in the progression to chronicity in brucellosis with bone joint involvement. 5th International Molecular Immunology and Immunogenetics Congress, İzmir, Turkey