

An Infant with a Severe Combined Immunodeficiency Caused by Zeta Chain-Associated Protein 70 (ZAP-70) Deficiency

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Zeta Chain-Associated Protein Kinase 70 (ZAP-70) is a protein kinase involved in the T-cell receptor (TCR) signaling; therefore, it plays a significant role in T-cell functioning. ZAP-70 related severe combined immune deficiency (SCID) is a rare autosomal recessive disorder. Various clinical presentations of the condition were described in the literature; it was suggested that this clinical heterogeneity may delay the diagnosis.

A ten-month-old infant presented with fever and cough. He was admitted to the PICU. Investigations revealed a tracheal aspirate positive for candida. This case is the first case of ZAP-70 related SCID to be reported in Bahrain.