

Case Report Section

A Rare Case of Extreme Insulin Resistance

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Abstract

41 years old patient diabetic for 4 years ago presented with significant weight loss, after trials of different antidiabetic regimens starting from oral drugs as together with insulin both human and analogues which reached mega doses up to 600 units per day with no evidence of any glycemic control. Labs showing normal renal, hepatic, hormonal profile normal blood gases but persistent urinary ketosis, anti-insulin antibodies were positive. A trial of short-term oral steroids with azathioprine were added with no significant improvement, finally the patient was referred for further treatment modalities, plasmapheresis was initiated for 3 successive sessions resulted in decreasing total insulin dosage up to half with good glycemic control.

After 3 months the patient suffered relapse with

failure of glycemic control by insulin again received NIH protocol including rituximab and cyclophosphamide with no evidence of control and complicated by hypertension, the patient was then referred for another cycle of plasmapheresis.

Conclusion

Successful treatment of patient with type B insulin resistance with plasmapheresis was noticed but its response is short lived and need to be repeated, in comparison to immunotherapy with rituximab and cyclophosphamide.

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