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# International Journal of Advanced Research

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## REVIEWER'S REPORT

Manuscript No.: IJAR-56686

Title: *Concomitant Revelation of Graves' Disease During Diabetic Ketoacidosis: Report of Two Clinical Cases*

- Recommendation:**
- Accept as it is .....
  - ✓ **Accept after minor revision.....**
  - Accept after major revision .....
  - Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance		✓		

Reviewer Name: Dr S. K. Nath

### *Detailed Reviewer's Report*

#### Strengths of the Study

- **Originality:** The manuscript presents rare clinical cases illustrating the simultaneous presentation of Graves' disease and diabetic ketoacidosis, which is noteworthy due to its rarity.
- **Relevance:** Addresses an important diagnostic challenge in endocrinology and diabetology, emphasizing the importance of screening for autoimmune disorders in atypical diabetic presentations.
- **Clinical Contribution:** Provides valuable insights into the management and outcomes of such complex cases, contributing practical guidance for clinicians.
- **Data Quality:** Clear documentation of clinical features, laboratory investigations, and treatment details enhances the reliability of the cases.
- **Literature Integration:** Well-cited, placing the cases within the context of existing knowledge about autoimmune polyglandular syndrome and associated genetic predispositions.

#### Weaknesses of the Study

- **Sample Size:** Limited to two case reports, which inherently restricts broader generalizability.
- **Methodological Detail:** Lack of detailed information on the methods used for genetic testing or follow-up evaluations.
- **Statistical Analysis:** No statistical analysis is applicable here given the case report nature but a discussion on prevalence or prediction could strengthen the discussion.
- **Ethical Considerations:** No mention of ethical approval or informed consent obtained from the patients, which is essential for case reports.
- **Presentation:** Some sections could be clarified further for clarity; for example, more detailed differential diagnosis and follow-up data would enhance comprehensiveness.
- **Reference Updates:** References are somewhat dated, with some lacking recent insights into genetic markers or autoimmune syndromes.

#### Reviewer Comments

- **Title and Abstract:** The title accurately encapsulates the study. The abstract succinctly summarizes the cases and key messages but could be clearer in emphasizing the rarity and clinical importance of such concurrent presentation.

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- **Introduction and Objectives:** The introduction sufficiently contextualizes the association between T1DM, Graves' disease, and APS3v. However, explicit objectives or hypotheses are not clearly stated.
- **Methodology and Analysis:** As case reports, detailed methodology is limited. Including diagnostic criteria, genetic testing procedures, and follow-up protocols would strengthen the manuscript.
- **Results and Discussion:** The case descriptions are thorough, with appropriate laboratory data. The discussion effectively relates the findings to known literature but could delve deeper into the implications of shared genetic factors and management strategies.
- **Conclusion and Implications:** The conclusion appropriately highlights the importance of early detection and systematic screening but could be expanded to offer guidelines or recommendations.
- **Ethics:** The manuscript does not mention ethical approval or patient consent, which is a critical oversight for case reports.
- **Language and Presentation:** The language is generally clear, but some grammatical and typographical errors are present. Overall, polishing would improve readability.
- **Tables, Figures, Formatting, References:** No tables or figures are included; references are relevant but could be updated with newer studies, especially regarding genetic markers and autoimmune associations.