

REVIEWER'S REPORT

Manuscript No.: IJAR-55298

Title: Exploring the Depths: Unraveling FGF-231 Driven Hypophosphatemia in Shadows of Phosphaturic Tumours

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

Date: 18.12.25

Detailed Reviewer's Report

Strengths of the Paper

- **In-Depth Case Illustration:** The paper presents a detailed case report of a patient with tumor-induced hypophosphatemia, including clinical presentation, diagnostic workup, surgical intervention, and follow-up. This provides valuable insights into real-world challenges.
- **Comprehensive Literature Review:** The inclusion of extensive references and discussion on the pathophysiology of FGF23 and tumor-induced osteomalacia demonstrates thorough research engagement.
- **Use of Advanced Diagnostic Modalities:** The employment of sophisticated imaging techniques such as 68Ga-DOTA-TOC PET CT and MRI for tumor localization highlights the advanced approach adopted.
- **Clear Diagnostic and Management Pathway:** The paper effectively traces the stepwise approach from initial presentation through to diagnosis and treatment, facilitating understanding of the clinical process.
- **Relevance to Clinical Practice:** The case emphasizes important considerations in diagnosing rare causes of hypophosphatemia, underlining the need for multidisciplinary management.

Weaknesses of the Paper

- **Limited Generalizability:** As a single case report, the findings cannot be broadly generalized, which limits the overall impact.
- **Insufficient Detail on Diagnostic Process:** The paper could elaborate more on differential diagnosis steps and the rationale behind specific investigations chosen.
- **Lack of Visual Aids:** There is minimal inclusion of imaging figures or histopathological images that would strengthen visual understanding of tumor localization and pathology.
- **Brief Methodological Description:** The description of diagnostic procedures and surgical techniques lacks depth, which could compromise reproducibility.
- **Absence of Ethical Clearance Statement:** The paper does not mention whether ethical approval was obtained for this case report, which is important for research transparency.

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Reviewer Comments

- **Ethical Clearance:** There is no explicit mention of ethical approval or patient consent for publication, which should be addressed.
- **Methodological Issues:** The case management is outlined but lacks detailed methodology regarding imaging procedures, surgical approach, and follow-up protocols. Clarifying these would enhance clarity.
- **Typographical Mistakes:** Minor typographical errors are present, such as inconsistencies in spacing and punctuation, particularly in reference citations and some abbreviations.
- **Grammar and Language Quality:** The language is generally understandable, though occasional grammatical errors and awkward phrasing are noticeable and could benefit from editing for clarity and flow.
- **Formatting Issues:** The formatting of references and figure referencing could be improved to ensure consistency and easier navigation.
- **Clarity of Objectives, Results, and Conclusion:** The objectives are implied but not explicitly stated; results are detailed but could be summarized more effectively; the conclusion aligns with findings but should more distinctly state future implications.
- **Adequacy of References:** The references are extensive and relevant, effectively supporting the discussion. However, some recent literature updates could be incorporated.
- **Missing or Incomplete Information:** Details regarding the patient's long-term follow-up, functional outcomes, and potential recurrence are limited. Additionally, specifics on the surgical procedure details and intraoperative findings are lacking.