

REVIEWER'S REPORT

Manuscript No.: IJAR-56552

Title: Beyond stasis dermatitis: a case report of pregnancy-associated acroangioid dermatitis

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 case report highlights a rare presentation of acroangioid dermatitis induced by pregnancy, contributing valuable insights into this uncommon condition.
- **Relevance:** The study is pertinent for dermatologists, vascular specialists, and obstetricians managing venous or vascular skin lesions during pregnancy.
- **Methodology:** Utilizes a comprehensive multi-modal approach including clinical examination, dermoscopy, Doppler ultrasonography, histopathology, and serological tests appropriate for accurate diagnosis.
- **Data Quality:** Well-documented case with clear clinical descriptions, dermoscopic images, histopathological findings, and ultrasound results.
- **Contribution:** Emphasizes the importance of considering pregnancy as a trigger for acroangioid dermatitis, aiding early diagnosis and conservative management.

Weaknesses of the Study

- **Sample Size:** As a single case report, findings are limited in generalizability.
- **Literature Context:** The discussion could benefit from a broader comparison with similar cases or a systematic review of existing literature on pregnancy-related AAD.
- **Follow-up Data:** Lack of long-term follow-up information to assess the progression or resolution post-treatment.
- **Imaging / Figures:** Figures are informative but could be optimized with clearer labeling and higher resolution for better interpretation.
- **References:** Numbered references are appropriate but could be expanded or updated to include the latest relevant literature.

Reviewer Comments

- **Title and Abstract Clarity:** The title accurately reflects the content, clearly indicating the focus on pregnancy-associated acroangioid dermatitis. The abstract succinctly summarizes the case, diagnostic approach, management, and implications. However, including specific management outcomes and follow-up details would enrich it.
- **Introduction and Objectives:** The introduction contextualizes acroangioid dermatitis well, emphasizing its rarity and typical variants. Explicitly stating the study's objectives to report and analyze a pregnancy-induced case would strengthen the clarity.

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- **Methodology and Statistical Analysis:** As a case report, formal statistical analysis is not applicable. The employed diagnostic methods are appropriate and well-described. Inclusion of detailed procedural parameters or criteria used in dermoscopy and histopathology would enhance reproducibility.
- **Results and Discussion:** Results are well-presented with supporting images and histopathology. The discussion effectively links clinical findings to known pathophysiology, especially relating venous hypertension in pregnancy to lesion development. Expanding discussion on differential diagnosis and management alternatives would add depth.
- **Conclusion and Implications:** Concludes appropriately, emphasizing early recognition and conservative management. Further elaboration on postpartum outcomes and recommendations for clinicians would strengthen practical relevance.
- **Ethical Clearance:** The case report mentions serological testing and diagnostic procedures but does not specify whether ethical approval or informed consent was obtained. For case reports, documented informed consent from the patient is essential; this should be explicitly stated.
- **Grammar, Language, and Typos:** The manuscript is generally well-written with minimal language issues. Minor grammatical enhancements are suggested to improve clarity and flow, for example avoiding em dashes as per journal style preferences.
- **Tables, Figures, Formatting, and References:** Figures are appropriate but could benefit from higher resolution and clearer labeling. The formatting aligns with typical standards; however, referencing style should be checked for consistency with journal guidelines. The references are relevant but could include more recent literature, especially on pregnancy-related vascular skin conditions.