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Recent advancements in the diagnosis and treatment of acral melanoma

Key words: Acral melanoma; Acral lentiginous melanoma; Acral nevus; Cutaneous malignant melanoma; Dermoscopy; Oncolytic virotherapy

Research Summary

In this article, we provide an overview of the latest advancements in diagnostic and therapeutic methods for Acral melanoma, highlighting the importance of early detection and the prompt, individualized management of this challenging disease.

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Article Presents :

- **Diagnosis methods include:**

1. Clinical findings
2. Dermoscopic features
3. Histopathological examination
4. Biomarkers
5. Radiological imaging
6. Non-invasive imaging methods
7. Blood tests

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Article Presents:

- **Treatment/Management Methods of AM include:**

1. Surgical methods
2. Molecular targeted therapies
3. Immunological treatment
4. Radiation therapy
5. Chemotherapy
6. Oncolytic virotherapy

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Innovation points

* A comprehensive table was generated to summarize the dermoscopic differences between acral nevus and acral melanoma.

* Two figures were presented for the diagnosis and management of AM based on dermoscopic features (figure 1) and to explain the oncolytic virotherapy mechanism in treating advanced malignant melanoma (figure 2).

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