AI Skin Cancer Detection Report
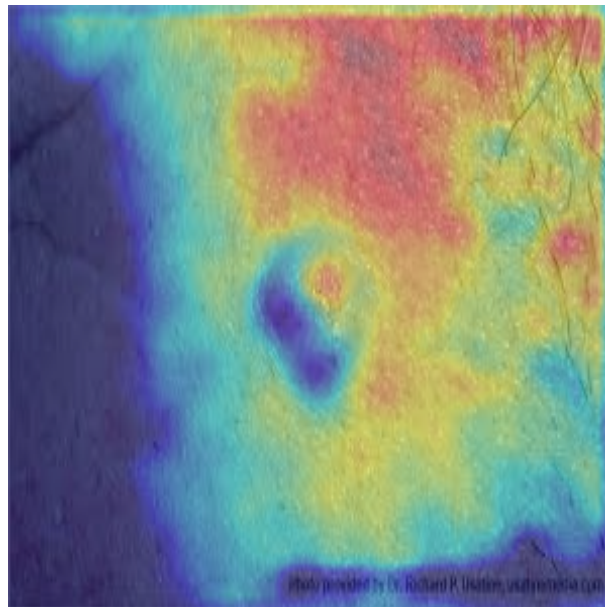
Date: 02 Feb 2026, 10:53 PM
Patient ID: Anonymous

Uploaded Skin Image

Grad-CAM Heatmap

Model Prediction

Detected Class: **Benign**
Confidence Score: **67.53%**
Risk Level: **HIGH**

ABCDE Analysis

A – Asymmetry: Low (0.11)
B – Border: Highly Irregular (3.63)
C – Color: Moderate (3 colors)
D – Diameter: 13.46 mm (Above Risk Threshold)
E – Evolution: Moderate Change

AI Clinical Summary

Based on the AI-based skin lesion analysis, here is the interpretation: 1. **Concise Clinical-Style Summary:** The AI analysis predicts a 67.53% likelihood of benign characteristics for the lesion. However, several ABCDE criteria show features of concern: the border is highly irregular (score 3.63), there is moderate color variation (3 colors), the diameter measures 13.46 mm (exceeding the risk threshold), and moderate evolution has been noted. Asymmetry is reported as low (score 0.11). 2. **Risk Interpretation:** Despite the primary AI prediction leaning towards benign, the overall **Risk Level is interpreted as HIGH**. This high-risk assessment is driven by the presence of multiple concerning features, including a highly irregular border, moderate color heterogeneity, a large diameter significantly above typical risk thresholds, and reported evolution. These morphological characteristics are commonly associated with atypical or potentially malignant lesions, warranting careful clinical evaluation regardless of the benign prediction. 3. **Recommended Next Steps:** Immediate clinical evaluation by a board-certified dermatologist or qualified healthcare provider is strongly recommended. This professional assessment should include a thorough physical examination, dermatoscopy, and, if clinically indicated, further diagnostic procedures such as a biopsy to establish a definitive diagnosis. It is crucial not to delay seeking professional medical advice. 4. **Clear Disclaimer:** This AI-generated analysis is for informational purposes only and is not a substitute for professional medical advice, diagnosis, or treatment. It does not constitute a medical diagnosis and should not be used to make decisions about your health. Always consult with a qualified healthcare provider for any health concerns or before making any decisions related to your medical care.

Disclaimer: This system is a clinical decision support tool. Final diagnosis must be confirmed by a certified dermatologist.