

AI Skin Cancer Detection Report

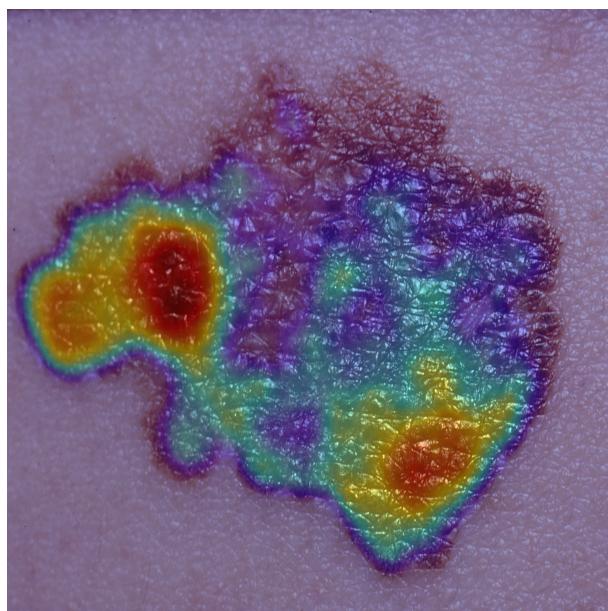
Date: 03 Feb 2026, 12:17 AM

Patient ID: Anonymous

Uploaded Skin Image



Grad-CAM Heatmap



Model Prediction

Detected Class: **Malignant**

Confidence Score: **87.72%**

Risk Level: **HIGH**

ABCDE Analysis

- A – Asymmetry: Low (0.16)
- B – Border: Highly Irregular (2.78)
- C – Color: Moderate (3 colors)
- D – Diameter: 11.88 mm (Above Risk Threshold)
- E – Evolution: Moderate Change

AI Clinical Interpretation

- Here is the analysis based on the provided AI data:
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- 1. **Concise Clinical-Style Summary:**
The AI-based analysis of the skin lesion indicates a high probability (87.72%) of malignancy, classifying it as high risk. Key features contributing to this assessment include a highly irregular border (score 2.78), the presence of three distinct colors, and a diameter of 11.88 mm, which exceeds the typical risk threshold. Moderate evolutionary changes were also noted.
- 2. **Risk Interpretation:**
This AI assessment of 'HIGH' risk for malignancy suggests that the lesion exhibits several characteristics commonly associated with skin cancers, warranting prompt and thorough medical evaluation. It is important to understand that this is an algorithmic prediction based on visual features and not a definitive medical diagnosis.
- 3. **Recommended Next Steps:**
Given the high-risk AI assessment, it is strongly recommended that the individual seeks an urgent in-person consultation with a qualified dermatologist or other healthcare professional experienced in skin lesion evaluation. A medical professional can perform a comprehensive clinical examination, often utilizing tools such as dermoscopy, and determine if further diagnostic procedures, such as a biopsy, are necessary for accurate diagnosis and appropriate management.
- 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 opinion or endorsement. Always seek the advice of a qualified healthcare provider for any questions regarding a medical condition, and do not disregard professional medical advice or delay in seeking it because of information provided by this AI tool.
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- Hello there,
- I understand that looking at a report like this can bring up many questions and concerns, and I'm here to help you understand it in clear, simple terms. Please remember that this AI analysis is designed to provide information and guidance, not a diagnosis.
- Here's a breakdown of your report and what it means for you:
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- ## 1. What This Result Means
- Your report indicates that the AI's analysis **predicts "Malignant"** and assigns an **"Overall Risk Level: HIGH"**.
- In simple terms:
- * **Malignant Prediction:** This means that based on the visual characteristics analyzed by the AI (like its shape, color, and size), the lesion shares features that are often seen in more serious skin conditions, including certain types of skin cancer.
- * **HIGH Overall Risk Level:** This tells us that the combined findings from the analysis strongly suggest that this spot needs a thorough check-up by a medical professional. The AI has identified several characteristics that raise a flag, such as a highly irregular border, the presence of multiple colors, and a diameter that is larger than typical risk thresholds.
- It's important to understand that this is an AI's assessment, and it's based on patterns. It's a prompt for action, not a definitive diagnosis.
- ## 2. Immediate Precautions
- Given these findings, the most important and immediate step is to seek professional medical advice.
- * **Schedule an appointment with a dermatologist or your primary care doctor as soon as possible.** They are the experts who can properly evaluate the lesion.

- * **Avoid any attempts to treat or alter the lesion yourself.** Do not pick at it, scratch it, or try any home remedies.
- * You might consider taking a clear, well-lit photo of the lesion now to serve as a baseline, but don't let this delay your appointment.
- ## 3. Skin Protection & Daily Care
- Protecting your skin from the sun is crucial for everyone, especially when there are concerns about a lesion.
- * **Sunscreen:** Apply a broad-spectrum sunscreen with an SPF of 30 or higher every day, even on cloudy days. Reapply every two hours, or more often if you're swimming or sweating.
- * **Seek Shade:** Limit direct sun exposure, especially during peak hours (typically 10 AM to 4 PM).
- * **Protective Clothing:** Wear wide-brimmed hats, sunglasses, and clothing that covers your arms and legs when outdoors.
- * **Gentle Skincare:** Continue your regular, gentle skincare routine. Keep the skin moisturized to support its natural barrier. Avoid harsh products or excessive scrubbing on the lesion itself.
- ## 4. Diet & Lifestyle Support
- Supporting your overall health can contribute to healthy skin. These are general wellness suggestions and not specific treatments for your lesion.
- * **Nutrient-Rich Diet:** Focus on a balanced diet rich in fruits, vegetables, and whole grains. These foods provide antioxidants that help protect your cells.
- * **Healthy Fats:** Include sources of healthy fats like omega-3 fatty acids (found in fish, flaxseeds, walnuts) which can support skin health.
- * **Hydration:** Drink plenty of water throughout the day to keep your skin hydrated from within.
- * **Limit Unhealthy Choices:** Reducing processed foods, excessive sugar, alcohol, and avoiding smoking can positively impact your skin and overall well-being.
- * **Stress Management:** Incorporate stress-reducing activities like meditation, yoga, or spending time in nature. Chronic stress can sometimes impact skin health.
- * **Adequate Sleep:** Aim for 7-9 hours of quality sleep per night to allow your body and skin to repair and rejuvenate.
- ## 5. Self-Monitoring Guidance
- While you should prioritize seeing a doctor, it can be helpful to be aware of changes.
- * **Do not delay seeing a doctor to monitor the lesion yourself.** Professional evaluation is the priority.
- * If you are waiting for an appointment, you can keep an eye on the lesion by:
- * **Regular Photos:** Take weekly or monthly photos under consistent lighting conditions to track any changes.
- * **Note Changes:** Pay attention to any shifts in its size, shape, color, or if it starts to itch, bleed, or become tender.
- * **ABCDE Guide:** Mentally review the "ABCDEs" for any spots on your skin:
 - * **A**symmetry: One half doesn't match the other.
 - * **B**order: Irregular, ragged, notched, or blurred edges.
 - * **C**olor: Not uniform; shades of tan, brown, black, white, red, or blue.
 - * **D**iameter: Greater than 6mm (about the size of a pencil eraser) or growing larger.
 - * **E**volving: Changing in size, shape, color, or developing new symptoms like itching or bleeding.
- ## 6. When to Seek Medical Help
- For this specific lesion, **you should seek medical help now.** In general, it's always wise to consult a dermatologist if you notice:
 - * **Any new or unusual spot** that appears on your skin.
 - * **Any existing mole or freckle that changes** in size, shape, color, or elevation.
 - * **Any spot that becomes itchy, tender, bleeds, or crusts over.**
 - * **A sore that doesn't heal.**
 - * Any other skin concern that worries you.
- ## 7. Emotional Reassurance
- It's completely normal to feel concerned after receiving a report like this. Please know that taking proactive steps, like scheduling an appointment with a dermatologist, is the best thing you can do for yourself. Many skin spots turn out to be harmless, even if they look concerning. The key is to get a professional opinion to understand exactly what it is and what, if anything, needs to be done. You are taking excellent care of yourself by seeking this information.
- ## 8. Disclaimer
- Please remember that this analysis is based on artificial intelligence and is **not a medical diagnosis**. It is intended for informational purposes only and should not replace a consultation with a qualified

healthcare professional. Always consult your doctor or a dermatologist for any health concerns or before making any decisions related to your health or treatment.

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