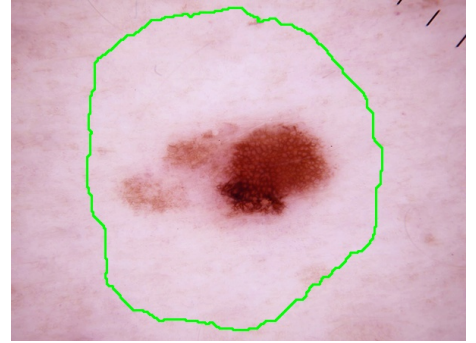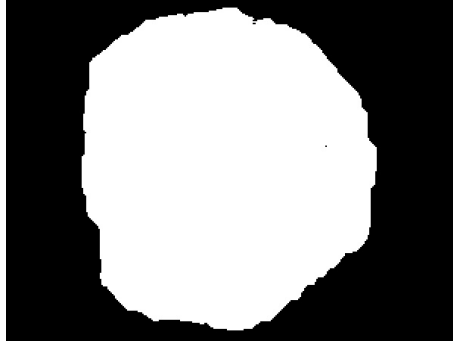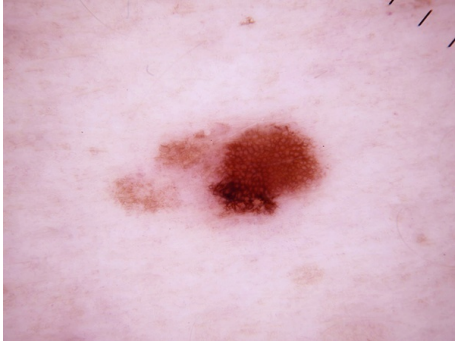# Skin Lesion Diagnosis Report

Patient Name: patient_03

Age: 36   Gender: Male   Lesion Location: Neck

Visual Evidence:

LLM-Generated Medical Summary:

Patient Information:

- Age: 36

- Gender: Male

- Lesion Location: Neck

AI Predictions:

- ResNet50: BKL (1.00 confidence)

Write a clinical report explaining:

1. Likely diagnosis based on both predictions.

2. Possible next medical steps or tests to confirm.

3. General precautions the patient should take.

4. Treatment or lifestyle suggestions.

Likely Diagnosis: Based on the AI predictions, the patient is likely to have a benign keratosis (BKL). This is a common condition characterized by the growth of small, scaly patches on the skin, often on the face, neck, or arms. BKLs are usually harmless but can be unsightly and may cause discomfort.

Next Medical Steps: To confirm the diagnosis and rule out any other potential causes, the patient should schedule an appointment with a dermatologist for a thorough examination. The dermatologist may perform a biopsy to examine the skin sample under a microscope and confirm the diagnosis.

Precautions: In the meantime, the patient should avoid picking or scratching the lesion, as this can lead to infection or scarring. They should also avoid exposing the lesion to the sun, as this can cause it to become darker or more sensitive.

Treatment: BKLs are usually not treated unless they are causing discomfort or are aesthetically unappealing. In some cases, the lesion may resolve on its own over time. If the patient is interested in removing the lesion, there are several treatment options available, including cryotherapy (freezing the lesion with liquid nitrogen), curettage (scraping the lesion with a curette), or laser therapy.

Lifestyle Suggestions: To prevent the development of new BKLs, the patient should protect their skin from the sun by using a broad-spectrum sunscreen with at least SPF 30 and avoiding prolonged exposure to the sun, especially during peak hours. They should also avoid smoking and limit their alcohol intake, as these can contribute to skin aging and increase the risk of skin cancer.

In conclusion, the AI predictions suggest that the patient is likely to have a benign keratosis. To confirm the diagnosis and determine the best course of treatment, the patient should schedule an appointment with a

dermatologist. In the meantime, they should avoid picking or scratching the lesion and take steps to protect their skin from the sun and other environmental factors.