Scan Analysis Report

Generated on February 12, 2026 at 10:02 AM

Scan Information

File Name:	Malignant_case_95.jpg
Scan Type:	MRI
Type Confidence:	24.0%
Resolution:	512x512
Analysis Date:	2026-02-12 10:02:23
Model:	HealthGuard DenseNet-121

Magnetic Resonance Imaging using strong magnetic fields and radio waves to generate detailed images of organs and tissues.

Overall Assessment

Overall Severity:	HIGH
Primary Finding:	Calcification Detected

Detailed Findings

1. Calcification Detected — 14.8% confidence

Calcified deposits have been identified. These may be benign (such as vascular calcifications) or may require further investigation depending on lo...

2. Organ Enlargement — 13.2% confidence

Signs of organ enlargement (organomegaly) detected. Further imaging and clinical evaluation recommended.

3. Bone Density Variation — 12.8% confidence

Variations in bone density detected, which may suggest osteopenia, osteoporosis, or sclerotic changes.

4. Normal - No significant findings — 10.4% confidence

The scan appears within normal limits. No obvious pathological findings are detected. Regular follow-up is recommended as per standard medical guid...

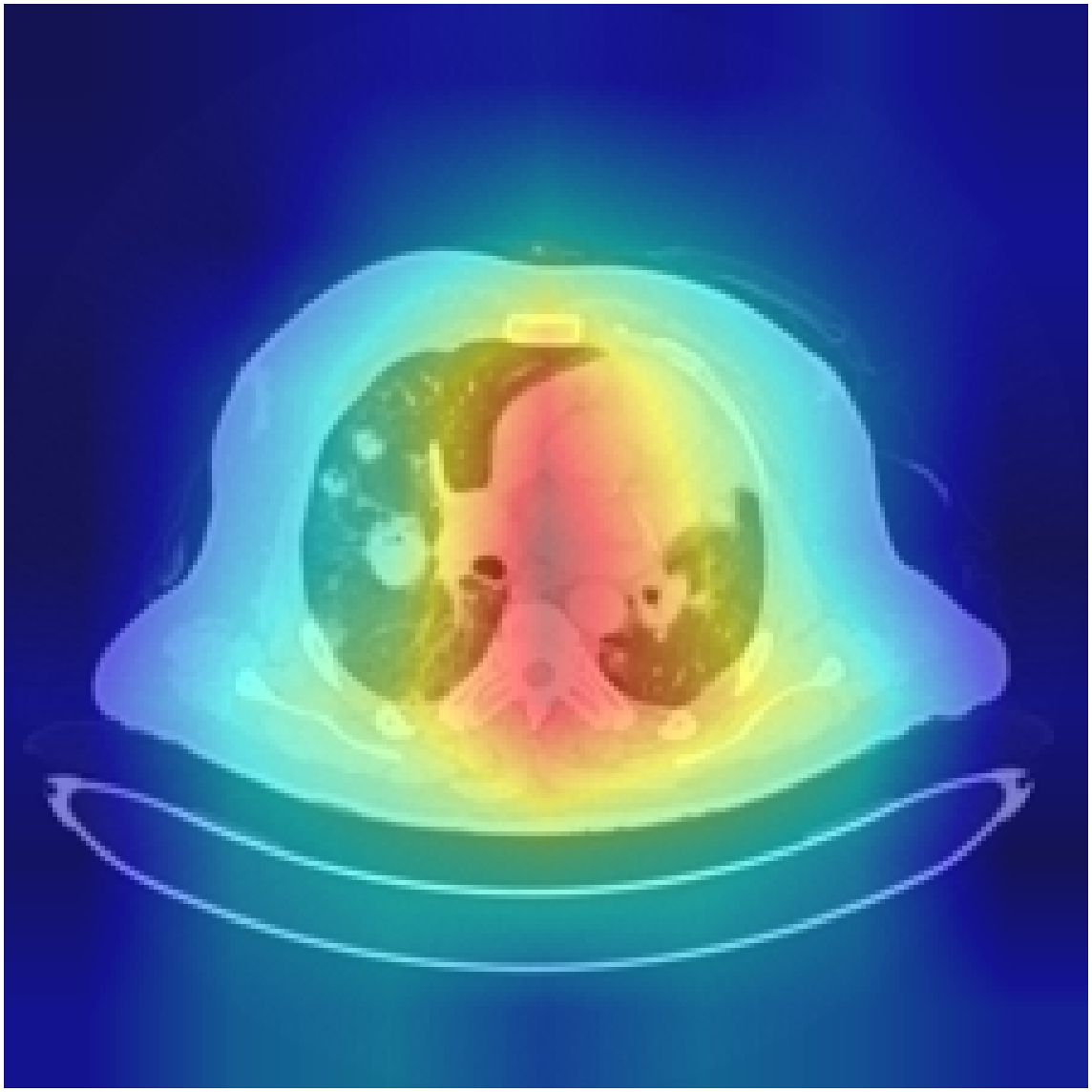
5. Inflammation / Infection Signs — 9.0% confidence

Features suggestive of inflammatory or infectious process detected, including possible tissue changes and reactive patterns.

Visual Analysis

GradCAM Heatmap Analysis

Warmer colors indicate regions most relevant to the AI prediction.



Annotated Regions of Interest

Green boxes and yellow contours highlight AI-identified regions of interest.

Important Disclaimer

This report has been generated by HealthGuard AI, an artificial intelligence-based medical scan analysis system. The findings and predictions presented in this report are AI-generated and should NOT be used as a sole basis for medical diagnosis or treatment decisions.

This tool is designed to assist healthcare professionals by providing preliminary analysis and highlighting potential areas of interest. All findings should be reviewed and validated by qualified medical professionals.

The AI model uses deep learning techniques including DenseNet-121 architecture with GradCAM visualization. While the model has been trained on medical imaging data, it may produce false positives or miss findings. Always consult with a licensed healthcare provider for proper diagnosis and treatment.

HealthGuard AI and its developers are not liable for any medical decisions made based on the outputs of this system.