

Ki-67 Proliferation Assessment Report

Patient Information

Analysis ID	a56386d6
Analysis Timestamp	2025-11-28T17:29:19.164986
Patient Name	PT-BATCH Case 3
Patient ID	PT-BATCH-003
Age	N/A
Gender	-
Contact	
Exam Date	2025-11-28
Physician	Batch Analysis
Clinical Notes	Batch upload - File: 97.png

Cell Detection Visualization

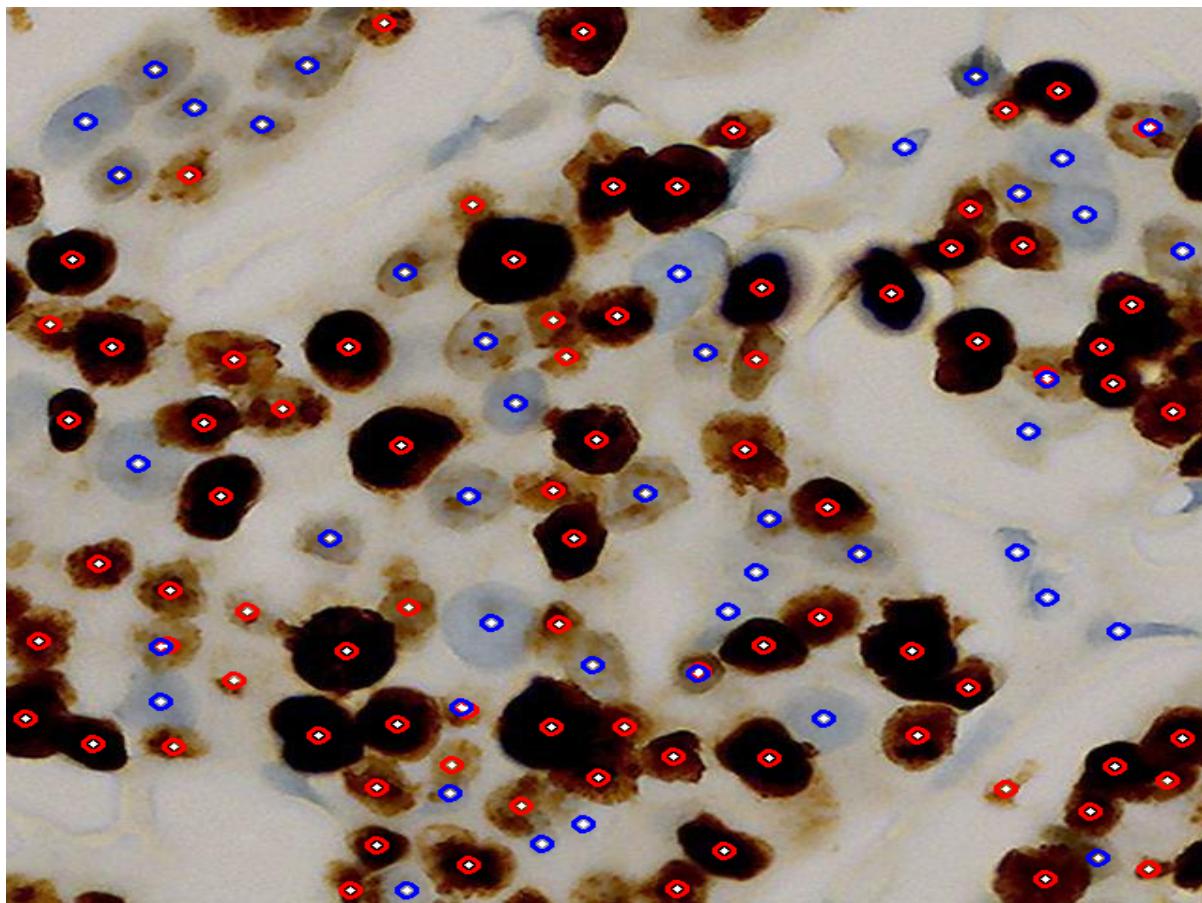


Figure: Cell detection visualization with Ki-67 positive cells (green) and Ki-67 negative cells (red)

Analysis Results Summary

Metric	Value
Positive Cells (Ki-67+)	82
Negative Cells (Ki-67-)	43
Total Cells Detected	125
Ki-67 Proliferation Index	65.6%
Diagnosis Classification	Malignant
Risk Level	High Risk
Malignancy Status	Malignant

Manual (Ground Truth) Baseline

Positive Cells	82
Negative Cells	39
Total Cells	121
Ki-67 Index	67.77%
Classification	Malignant
Risk Level	High Risk

Quality Control Summary

Flagged for Review	No
Reason	Within acceptable tolerance
Positive Cell Δ	0
Negative Cell Δ	4
Total Cell Δ	4
Ki-67 Δ	-2.17
Ki-67 Δ (%)	-3.2
Classification Match	Yes

Clinical Interpretation

Ki-67 index $\geq 30\%$ indicates high proliferative activity, consistent with malignant characteristics. Requires aggressive treatment protocols and close monitoring.

Clinical Recommendation

Immediate oncological consultation recommended. Consider chemotherapy, targeted therapy, and surgical intervention. Regular follow-up essential.

Detection Statistics

Cell Type	Count	Percentage
Ki-67 Positive Cells	82	65.6%
Ki-67 Negative Cells	43	34.4%

Reference Information

Ki-67 Proliferation Index Interpretation Guidelines:

- <5%: Very Low Proliferation (Benign)
- 5-10%: Low Proliferation (Low Malignant Potential)
- 10-20%: Moderate Proliferation (Borderline Malignant)
- >20%: High Proliferation (Malignant)

Note: This report is generated by an AI-assisted analysis system. Results should be reviewed by a qualified pathologist and correlated with clinical findings.

Report Generated: 2025-11-28T17:29:19.164986 | Analysis ID: a56386d6

Ki-67 Medical Diagnostic System | Confidential Medical Report