

Ki-67 Proliferation Assessment Report

Patient Information

Analysis ID	8234ddcb
Analysis Timestamp	2025-11-28T17:29:26.809887
Patient Name	PT-BATCH Case 5
Patient ID	PT-BATCH-005
Age	N/A
Gender	-
Contact	
Exam Date	2025-11-28
Physician	Batch Analysis
Clinical Notes	Batch upload - File: 99.png

Cell Detection Visualization

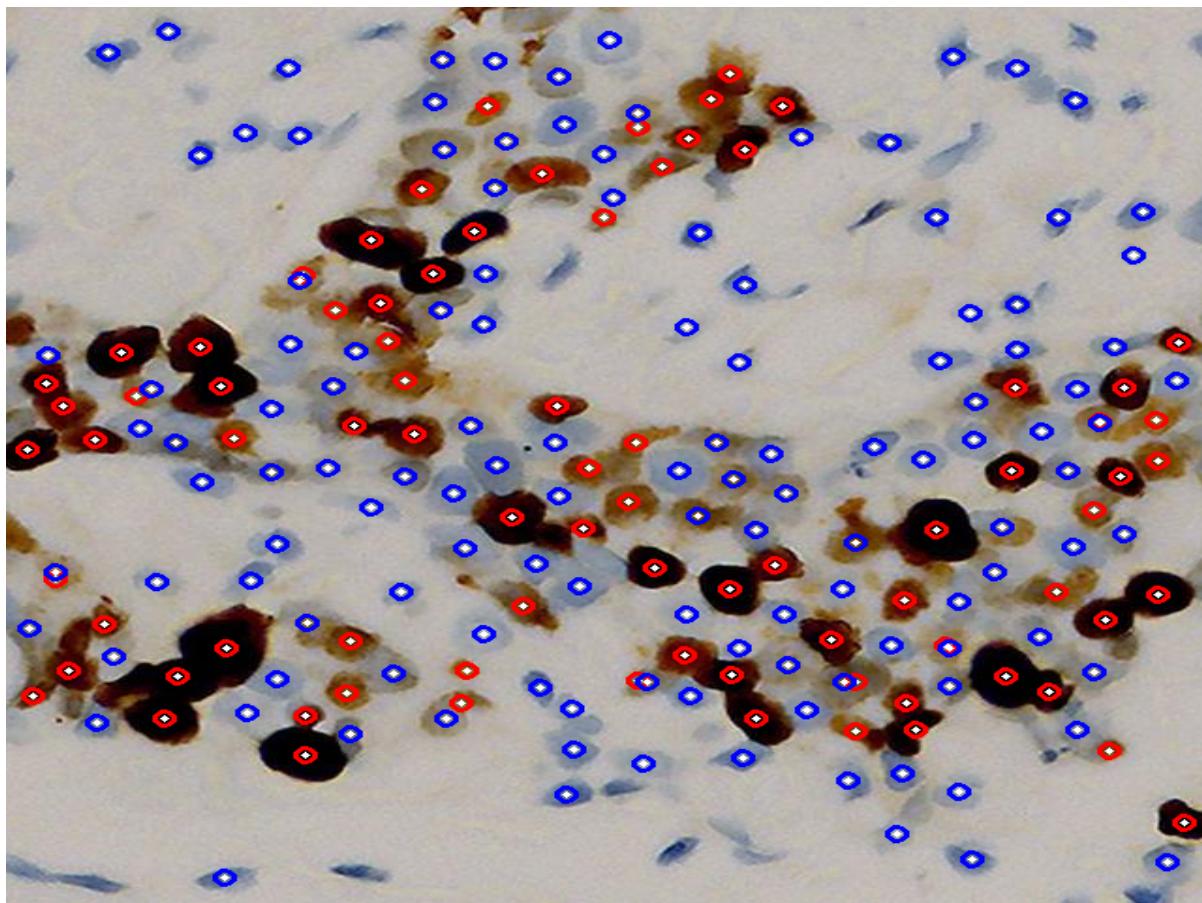


Figure: Cell detection visualization with Ki-67 positive cells (green) and Ki-67 negative cells (red)

Analysis Results Summary

Metric	Value
Positive Cells (Ki-67+)	82
Negative Cells (Ki-67-)	126
Total Cells Detected	208
Ki-67 Proliferation Index	39.42%
Diagnosis Classification	Malignant
Risk Level	High Risk
Malignancy Status	Malignant

Manual (Ground Truth) Baseline

Positive Cells	98
Negative Cells	141
Total Cells	239
Ki-67 Index	41.0%
Classification	Malignant
Risk Level	High Risk

Quality Control Summary

Flagged for Review	No
Reason	Within acceptable tolerance
Positive Cell Δ	-16
Negative Cell Δ	-15
Total Cell Δ	-31
Ki-67 Δ	-1.58
Ki-67 Δ (%)	-3.85
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	39.4%
Ki-67 Negative Cells	126	60.6%

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.

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Ki-67 Medical Diagnostic System | Confidential Medical Report