Virtual IHC Analysis Report

Analysis Information

Session ID:	d088a030-e7e9-4725-aaf5-63cffa885f0d
Original File:	images.jpeg
Analysis Date:	2025-08-10 07:16:04
Processing Time:	0:00:04
Status:	COMPLETED

Analysis Results

HER2 Status:	positive
Confidence Score:	77.7%
Cancer Grade:	Grade 2
Biomarker Expression:	66.7%
Staining Intensity:	strong

Quantitative Analysis

Positive Cells:	999
Total Cells:	1498
Positive Percentage:	66.7%
Stained Area:	54.0%

Summary

Summary: AI analysis shows HER2 status as POSITIVE with 77.7% confidence.

Key Findings:
• HER2 Status: POSITIVE
• Cancer Grade: Grade 2
• Biomarker Expression: 66.7%

• Staining Intensity: strong

Analysis performed using advanced AI image conversion from H&E; to virtual IHC.

Recommendations

Recommendations:
• Consider HER2-targeted therapy (e.g., trastuzumab)
• Evaluate for combination with chemotherapy
• Monitor for cardiotoxicity during treatment
• Consider genetic counseling if familial history present

Technical Notes

Technical Analysis Notes:

Image Processing:
• Original H&E; image successfully processed
• Virtual IHC generation completed using deep learning model
• Image quality: Suitable for analysis

Analysis Parameters:
• Model confidence: 77.7%
• Processing time: 4.0 seconds
• Image resolution: Maintained from original

Quality Metrics:
• Biomarker detection accuracy: High
• Morphological preservation: Excellent
• Artifact level: Minimal