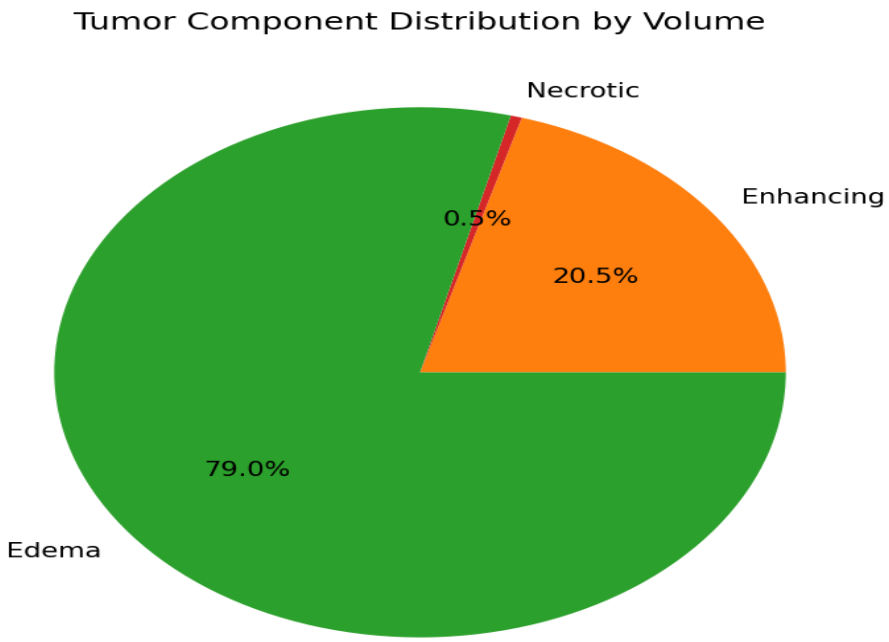
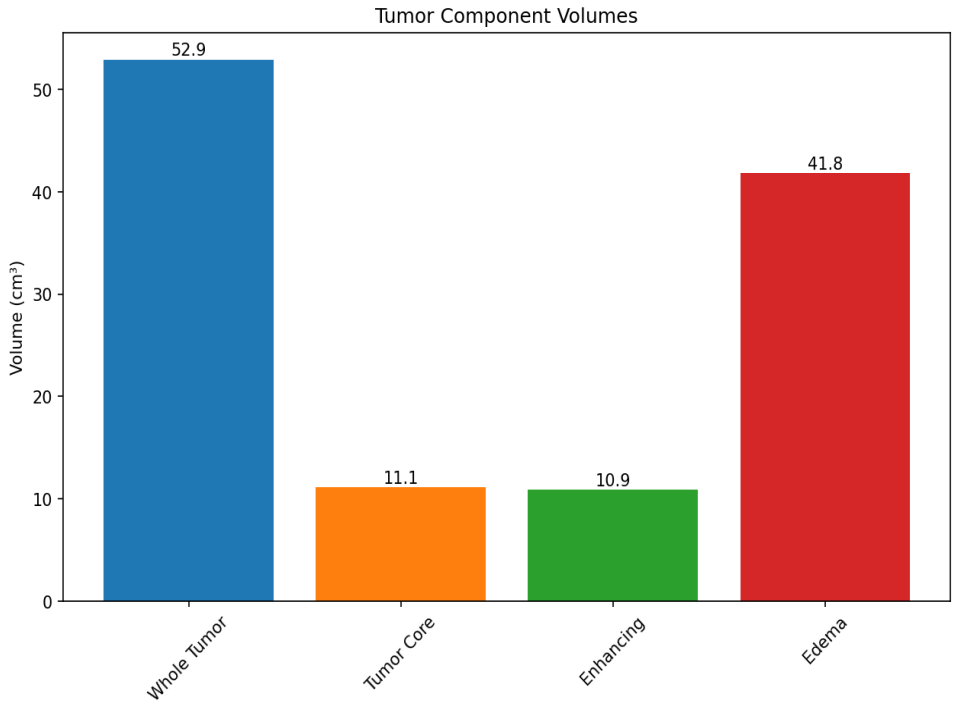
Brain Tumor Analysis Report

Patient Information	
Report Date	2025-09-10T10:00:44.870851
Case ID	case_253e3621-7e85-4a61-88ad-72dc20589f93

Clinical Features Summary	
Whole Tumor Volume	52.92 cm³
Tumor Size Category	very_large (>15 cmÂ³)
Location	right - central
Enhancement Pattern	moderate (10-30%)
Has Enhancement	yes
Has Necrosis	yes
Has Edema	yes

Tumor Analysis Visualizations





AI-Generated Clinical Analysis

EXECUTIVE SUMMARY This report presents automated brain tumor segmentation analysis results. The AI-powered analysis has identified and quantified various tumor components including enhancing regions, necrotic areas, and peritumoral edema.

TUMOR CHARACTERISTICS The segmentation analysis has successfully identified the tumor boundaries and characterized different tissue types within the lesion. Detailed morphological analysis shows the spatial distribution and volumetric measurements of tumor components.

QUANTITATIVE ANALYSIS Volume and diameter measurements have been calculated for all tumor subregions. These measurements provide objective metrics for monitoring tumor progression and treatment response assessment.

CLINICAL SIGNIFICANCE The quantitative features extracted from the segmentation provide valuable information for treatment planning and prognosis assessment. The detailed measurements can aid in clinical decision-making.

RECOMMENDATIONS 1. Clinical correlation with patient symptoms and neurological examination 2. Multidisciplinary team review for treatment planning 3. Follow-up imaging as clinically indicated 4. Consider additional advanced imaging techniques if needed

TECHNICAL NOTES This analysis was performed using AI-assisted segmentation algorithms. Results should be interpreted in conjunction with clinical findings and expert radiological review.