

	Cho	NAA	Lac	Lip	Myo	Glu	Suc	Acet	Ala	Aa
Low grade tumor	↑	↓			↑					
High grade tumor	↑	↓	↑	↑						
Metastasis	↑	absent ¹	↑	↑						
Oligodendroglioma	↑	↓	↑ ²							
Meningioma	↑	absent							↑	
Gliomatosis cerebri	↑	↓								
Lymphoma	↑	absent ¹		↑						
Radionecrosis	↓	↓	↑	↑						
Abscess	N	↓	↑	↑			↑	↑	↑	↑
Demyelination	↑	↓	↑ ³	↑	↑	↑ ³				