

TABLE 3. *Human Cerebral Metabolic Rate in Various Abnormal States Associated with Impaired Mental Function*

Metabolic Defect	Condition	Mental State	Cerebral Oxygen Consumption (ml/100 g/min)	References
None	Normal	Normal	3.5*	
No alteration in metabolic rate (No significant difference from normal or control levels)	Schizophrenia	Distorted	2.7, 3.3, 3.9	63, 103, 178
	LSD-25 intoxication	Distorted	3.9	178
	Chlorpromazine sedation	Tranquilized	2.5	35
	Barbiturate semi-narcosis	Sedated	3.3	103
	Mild alcoholic inebriation	Mild intoxication	2.7, 2.8	8, 35
Insufficient nutrient supply: Cerebral ischemia (oxygen and glucose lack)	Secondary shock	Generally stuporous or comatose	1.9	42
	Increased intracranial pressure	Comatose	2.5	102
	Insulin hypoglycemia	Confused	2.6	103
Glucose lack	Insulin coma	Comatose	1.9	103
Intracellular defects	Diabetic acidosis	Confused	2.7	99
	Diabetic coma	Comatose	1.7	99
	Irreversible postanoxic coma (after strangulation)	Comatose	1.7	39
	Irreversible posthypoglycemic coma	Comatose	1.5	38
	Irreversible postischemic coma (after cardiac arrest)	Comatose	1.8	39
	Uremic coma	Comatose	2.2	73
	Hepatic coma	Comatose	1.6, 1.7	44, 192
	Acute alcoholic intoxication	Stuporous or comatose	2.2	8
	Delirium tremens	Confused	2.4	9
	Barbiturate intoxication	Comatose	2.3	39
	Thiopental anesthesia	Comatose	2.1, 2.1	83, 193
	Steroid anesthesia	Comatose	1.7	61
	Dementia paralytica	Confused	2.1, 2.2	74, 138

\* Median of reported mean values (see table 1 for list of references).