

TABLE 2. Relationship between Oxygen and Glucose Metabolism in Normal Young Adult Human Brain

	Range of Mean Values	Median of Mean Values	References
Cerebral respiratory quotient	0.92 to 0.99	0.97	12, 56, 100, 108, 121, 178
Oxygen/glucose ratio (mmole/mole)	4.9 to 6.2	5.5	56, 95, 158, 178, 198
Oxygen consumption ( $\mu$ mole/100 gm/min.)		156*	(see table 1)
CO <sub>2</sub> production ( $\mu$ mole/100 gm/min.)		156*	(see table 1)
Glucose consumption ( $\mu$ mole/100 gm/min.)		31*	(see table 1)
Totally oxidized glucose accounted for by oxygen consumption ( $\mu$ mole/100 gm/min.)		26†	

\* Calculated from median values reported in table 1.

† Calculated on basis of 6 moles of oxygen required for complete oxidation of 1 mole of glucose.