ALS:
- Increased basal metabolism
- Caloric restriction exacerbates progression
- Ketogenic diet slows progression

ALZHEIMER'S DISEASE:
- Normal or lowered basal metabolism
- Caloric restriction slows progression
- Ketogenic diet slows progression

PARKINSON'S DISEASE:
- Increased basal metabolism
- Caloric restriction slows progression
- Ketogenic diet slows progression

HUNTINGTON'S DISEASE:
- Increased basal metabolism
- Caloric restriction may slow progression
- Ketogenic diet slows progression

COCKAYNE SYNDROME:
- Increased basal metabolism
- Caloric restriction exacerbates progression
- Ketogenic diet slows progression

BRAIN DRAIN
The brain has a remarkably high metabolism, consuming some 20 percent of the total body energy under resting conditions. Largely unable to metabolize fatty acids for energy, the brain depends on glucose and secondary metabolites synthesized from fatty acids called ketones. Studies of several neurological disorders, which tend to be associated with increased basal metabolism, suggest that disease progression can be influenced by switching the energy source from glucose to ketones.