Parkinson’s disease associated with lysosome dysfunction is a different disease from that associated with mitophagy dysfunction

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In this debate, I will argue that typical Parkinson’s disease is generally associated with problems with lysosomal function. This disease is associated with Lewy bodies. In contrast, much early onset disease, which has a more restricted clinical picture, largely occurs without Lewy Bodies, is associated with deficits in mitophagy. This disease used to be called Autosomal Recessive Juvenile Parkinsonism. I will suggest that, as the original nomenclature suggests, these are generally different disease. However, I will acknowledge that it is not possible to cleanly separate either the etiologies or pathologies of these diseases and will discuss what the purpose of naming diseases is.