

Appendix 2: Detailed clinical features and demographics of 15 patients with mitochondrial disorders (as supplied by the authors)

<b>Patient/Sex</b>	<b>1F</b>	<b>2M</b>	<b>3F</b>	<b>4M</b>	<b>5M</b>	<b>6F</b>	<b>7M</b>	<b>8F</b>	<b>9F</b>	<b>10F</b>	<b>11F</b>	<b>12F</b>	<b>13F</b>	<b>14F</b>	<b>15F</b>	<b>AVG/ TOTAL</b>
Mitochondrial disorder	MELAS A3243G	mtDNA Deletion	MELAS T3271C	Mitochondrial Cytopathy	mtDNA Deletion	Complex I Deficiency	C9035T Mutation	MELAS 3271	MELAS 3271	mtDNA Deletion	Complex I Deficiency	Complex I Deficiency	MELAS A3243G	MERRF A8363G	MERRF A8363G	
Age	50	50	50	56	57	35	50	39	60	52	41	65	64	48	58	52
Age at Diagnosis	49	43	47	54	56	29	28	29	46	47	32	64	51	47	50	45
<b>Clinical Features</b>																
Muscle weakness or atrophy	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	14
Fatigue	-	-	+	+	+	+	-	+	+	+	+	-	+	+	-	10
Depression	+	-	+	-	-	+	+	+	+	+	+	+	+	-	-	10
Anxiety	+	-	-	+	+	+	-	+	+	+	+	-	-	-	+	9
White Matter Lesions on MRI	+	-	+	+	+	-	-	-	+	+	-	+	+	+	-	9
Hearing loss	+	-	+	+	-	-	-	+	+	+	-	-	+	+	-	8
Stroke/stroke-like episodes	-	+	+	-	-	-	-	+	+	+	+	+	+	-	-	8
Migraines or headaches	-	-	-	-	-	+	-	+	-	+	+	-	+	-	+	6
Cognitive Impairment	+	-	+	+	+	-	-	-	-	-	-	-	-	+	-	5
Type 2 Diabetes	+	+	+	-	-	-	-	-	-	-	-	-	+	+	-	5
Learning Disability	+	-	-	-	-	-	+	+	-	-	+	-	-	-	-	4
Constipation	+	-	-	-	-	-	-	+	+	-	-	-	+	-	-	4
Dysphagia	-	-	-	-	-	-	+	+	-	-	-	-	-	+	-	3
Seizure disorder	-	-	-	-	-	-	-	+	-	-	+	-	-	-	-	2
Lipomas	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	2
Cataracts	-	-	-	+	-	-	-	-	+	-	-	-	-	-	-	2
Ptosis	-	+	-	-	-	-	-	-	-	+	-	-	-	-	-	2
Peripheral Neuropathy	-	-	-	-	+	+	-	-	-	-	-	-	-	-	-	2
Short stature	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	2
Bipolar Disorder	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	1
Personality Disorder	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	1
Dysarthria	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	1
Cardiomyopathy	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Arrhythmia	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	1
Recurrent miscarriages	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Nystagmus	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	1
Ophthalmoplegia	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	1
Ataxia	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	1
<b>Mitochondrial Supplements</b>																
Creatine	+	+	+	+	+	+	+	+	+	+	-	+	+	+	-	13
Alpha-lipoic acid	+	+	+	+	+	+	+	+	+	+	-	+	+	+	-	13
Riboflavin	+	+	+	+	+	+	+	+	+	+	-	+	+	+	-	13
Vitamin C	+	+	+	+	+	+	+	+	+	+	-	+	+	+	-	13
Vitamin E	+	+	+	+	+	+	+	+	+	+	-	+	+	+	-	13
Coenzyme Q10	+	+	+	+	+	+	+	+	+	+	-	+	+	+	-	13

Appendix to: Anglin RE, Rosebush PJ, Noseworthy MD. Metabolite measurements in the caudate nucleus, anterior cingulate cortex and hippocampus among patients with mitochondrial disorders: a case-control study using proton magnetic resonance spectroscopy.

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