

# Neurometabolic Profile of Individuals With Primary Mitochondrial Disease

NCT06890520

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**Status** RECRUITING  
**Sponsor** Children's Hospital of Philadelphia  
**Enrollment** 30 participants

## Key Eligibility Criteria

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### Inclusion (4)

- Must be between 8 and 75 years, inclusive
- Genetically confirmed primary mitochondrial disease
- Receiving standard-of-care treatment including mitochondrial supplements that may include N-acetylcysteine (NAC), a precursor of glutathione
- Must be between 8 and 75 years, inclusive

### Exclusion (10)

- MRI contraindications
- In the investigator's opinion, inability to fully comply with research procedures
- Active self-reported alcohol and/or substance abuse, including tobacco-use
- A pacemaker; any metal-based medical or non-medical devices/implants; any non-removable metal-based object (e.g., body piercings, jewelry, etc.) that cannot be cleared through radiologic evaluation
- Any history of intraocular injury or fragment in or around the orbit that cannot be cleared through radiologic evaluation
- ... and 5 more (see full listing online)

## Locations (1 total)

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The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, United States