The DADA2 Foundation

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Emails will be triaged for Dr. Chambers' attention within 24 hours, USA central time

dada2
FOUNDATION
Established 2016

What is DADA2? Deficiency of Adenosine Deaminase 2

Rare autosomal recessive genetic disease caused by biallelic ADA2 mutation, manifesting in vasculitis, infections, anemia, and other symptoms. Can be hematological or immunological and lead to childhood or young-adult stroke or bone marrow failure.

Consider DADA2 with:

- Polyarteritis Nodosa-like vasculitis
- Recurrent fever
- Cytopenias / bone marrow failure
- Immune deficiency + inflammation
- Pure red-cell aplasia
- Common variable immunodeficiency without molecular diagnosis
- Early-onset or unexplained stroke

Disagnosis: ADA2 gene ± ADA2 enzyme activity. **ICD-10-CM:** D81.32
Confirmed by near-absent ADA2 enzyme activity or biallelic ADA2 pathogenic variants. Normal ADA2 excludes DADA2.

Initial Evaluation:

- CBC
- ESR/CRP
- Immunoglobulins
- ADA2 activity level
- Brain MRI/MRA
- Abdominal ultrasound

Treatment:

- TNF inhibitors for vasculitis
- HSCT for hematologic disease
- IVIG and antimicrobials for immunodeficiency

For specific labs nearest to your region, please email us at info@dada2.org and we will connect you.

Follow-Up: Every 3–6 months with labs and clinical monitoring.

Family Screening: Test all siblings and provide genetic counseling.

Local Patient Advocate Name & Contact:

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