

Addenbrooke's Hospital

Jackie Udall

Amino acylase 1 deficiency

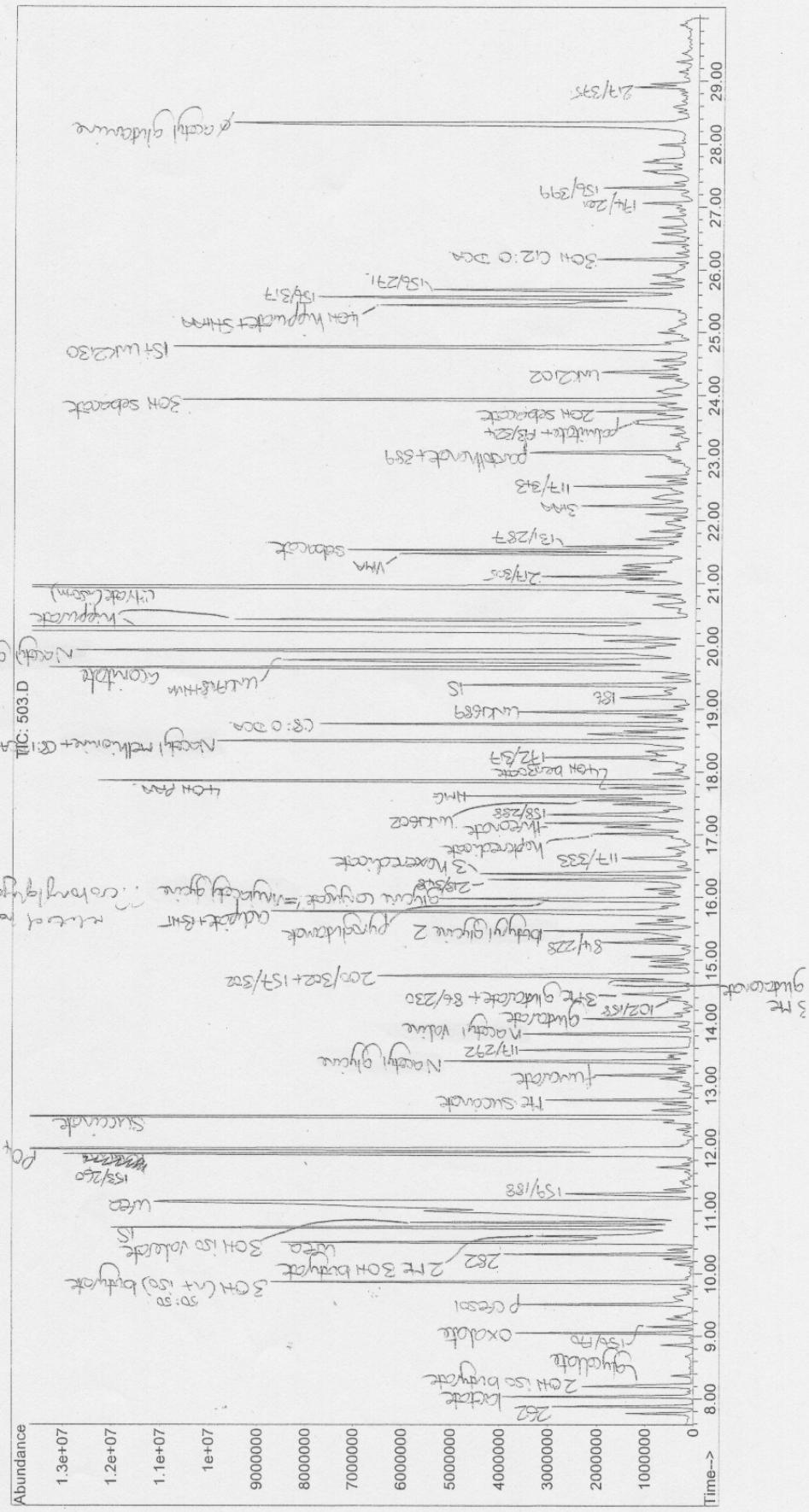
- 5 month old male, presenting with generalised developmental delay and hypotonia
- At 3 years of age, profoundly hypotonic, practically no speech, severe FTT, frequent vomiting

Results

- Urine organic acids - raised levels of N-acetyl amino acids, butyrylglycine and vinylacetylglycine
- Urine and plasma amino acids - normal
- Urine NMR spectroscopy – raised N-acetyl amino acid levels

Organic acid profile

File : D:\MSDCHEM\1\DATA\BGU\200505\503.D
Operator :
Acquired : 13 May 2005 20:40 using AcqMethod BGUOA2
Instrument : Instrumen
Sample Name :
Misc Info :
Vial Number :



Has our patient got ACY 1 deficiency?

- Has got the biochemical profile
- Enzyme assay unreliable – deficiency not proven
 - No mutations found