Tertiary Centre Experience In Investigating And Diagnosing Floppy Babies

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INTRODUCTION

- Floppy babies are one of the commonest neonatal referrals to Paediatric Neurologists.
- Clinical examination is an essential first step in the diagnostic journey.
- With the advent of new time-critical, treatments for neurological conditions, e.g. gene therapy for SMA, an effective pathway for investigation is essential to diagnose the aetiology.

METHODS

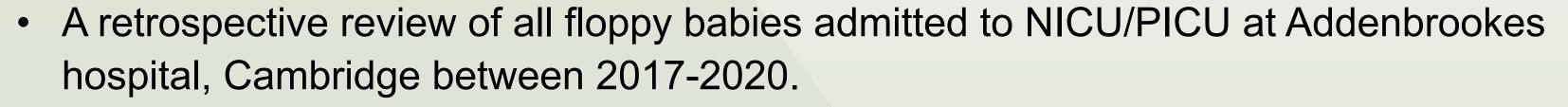
Figure 1. Presenting Symptoms

Apnoea needing intubation

Hypotonic with respiratory

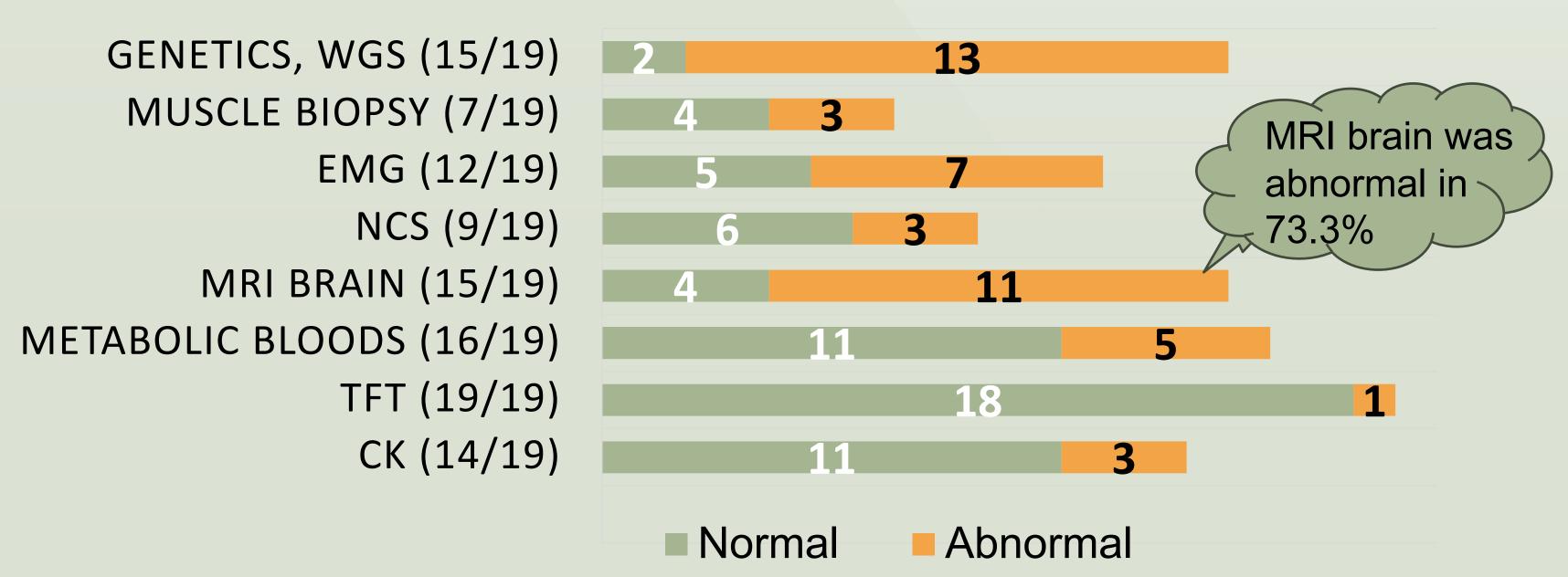
distress/feeding difficulties

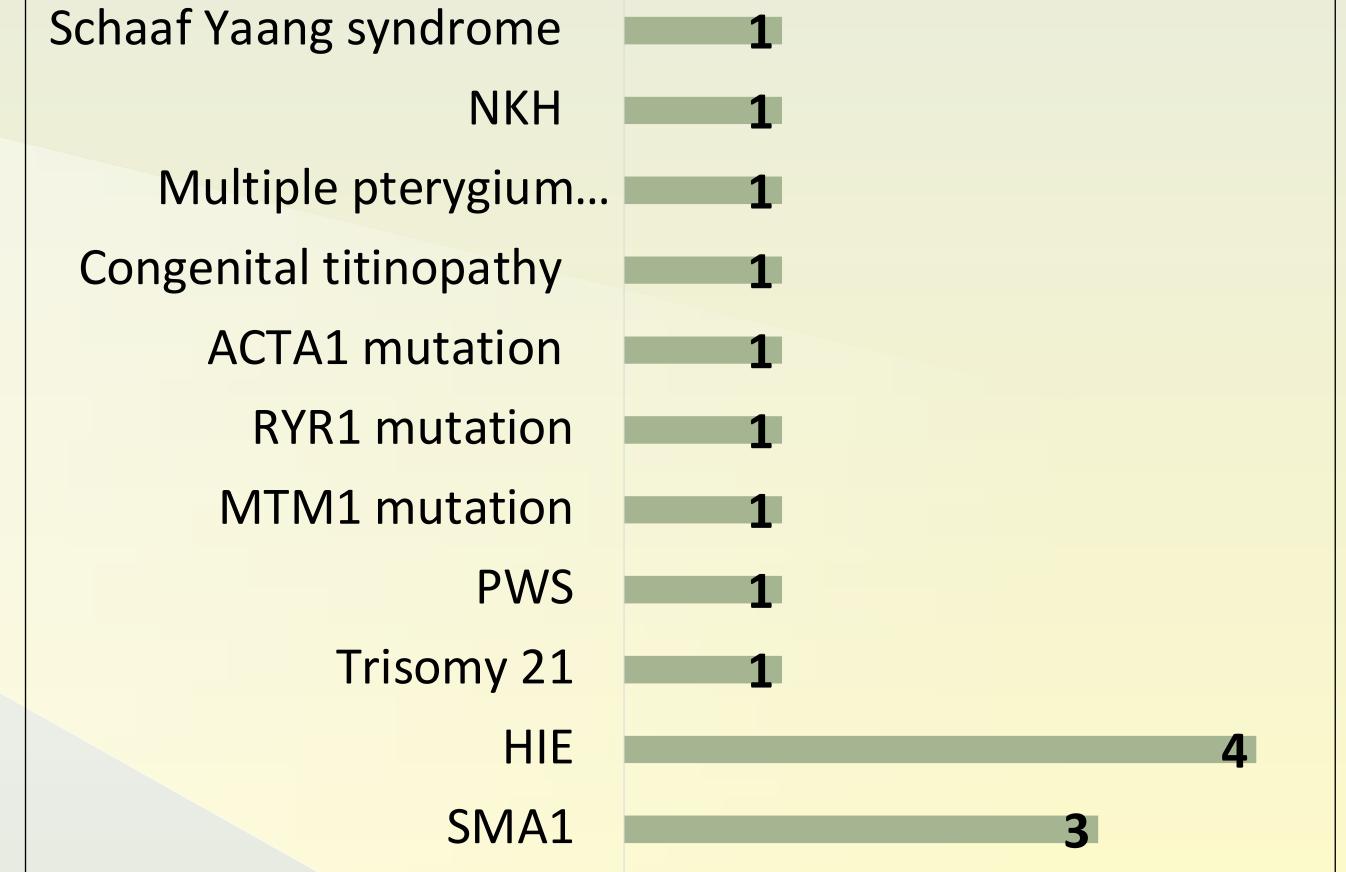
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RESULTS

• Of the 19 babies, 13 were male and 6 female.





Undiagnosed

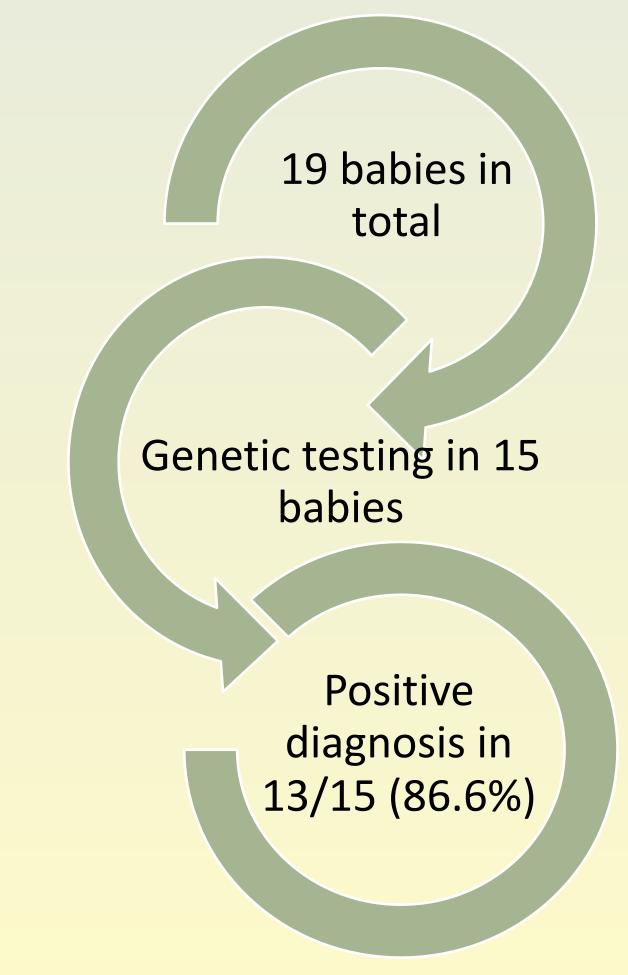


Figure 4. Results of Genetic testing

Figure 3. Diagnosis of our cohort. NKH – Non Ketotic Hyperglycinemia, PWS – Prader Willi Syndrome, HIE – Hypoxic Ischemic Encephalopathy, SMA – Spinal Muscular Atrophy

CONCLUSIONS

- With the changing landscape of treatment availability, it is imperative that we use rapid genetic testing to diagnose conditions where there are known treatments.
- Advances in trio WGS, have reduced the need for invasive investigations like lumbarpuncture, EMG, NCS and muscle biopsy.
- This study highlights the need for using genetic testing as first line investigation for floppy babies and ensure it is reflected in the local-guidelines.