

# EARLY DIAGNOSIS IN CEREBRAL PALSY- ACTUAL SITUATION IN SPAIN AND WAYS OF IMPROVEMENT

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## Introduction

The prevalence of cerebral palsy is 2.1 cases per 1.000, which suppose the most common physical disability in childhood. Etiology remains still unclear in 80% of cases, but new studies suggests a genetic component in 14% of cases.

## Purpose

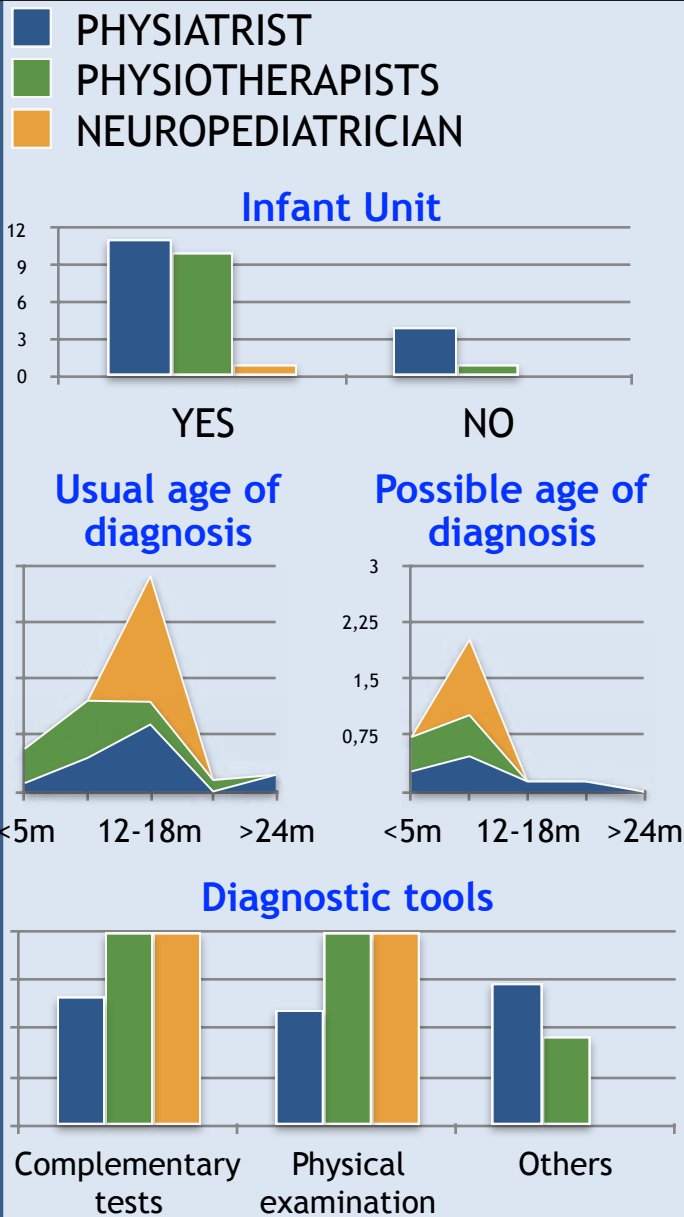
Due to the variability existing in the age of the diagnosis of cerebral palsy in different countries, we carried out this study to know at what age cerebral palsy is diagnosed in our environment/country and the tools commonly used.

## Material and Methods

Multi-centric observational study through an online survey to different professionals in relation with the diagnosis and treatment of the cerebral palsy.

In this survey, we asses the age at which cerebral palsy is diagnosed in our country, at what age an early diagnosis could be made, what tools are usually used for diagnosis and we also analyze in there are differences in the answers obtained according to speciality.

## Results



## Conclusions

- Early diagnosis of cerebral palsy allows earlier intervention optimizing neuroplasticity and functional outcomes.
- There are different standardized tools that demonstrate that an early diagnosis is possible and that we should use in our daily clinical practice.

## References

- Novak I, Morgan C, Adde L, Blackman J, Boyd RN, Brunstrom-Hernandez J, et al. Early, Accurate diagnosis and Early Intervention in Cerebral Palsy. *Advances in Diagnosis and Treatment. JAMA Pediatr.* 2017 Sep 1;171(9):897-907.
- Romeo DM, Ricci D, Brogna C, Mercuri E. Use of the Hammersmith Infant Neurological Examination in infants with cerebral palsy: a critical review of the literature. *Dev Med Child Neurol.* 2016 Mar; 58(3):240-5.
- Romeo DM, Cioni M, Palermo F, Cilauro S, Romeo MG. Neurological assessment in infants discharged from a neonatal intensive care unit. *Eur J Paediatr Neurol.* 2013 Mar;17(2):192-8.