

SEARCH STRATEGY S1**Inclusion and exclusion criteria for studies.**

PICO	Inclusion Criteria	Exclusion Criteria
Population	<ul style="list-style-type: none"> Infants (0 to 24 months of age) with infantile spasms 	<ul style="list-style-type: none"> Older children (> 24 months) Studies only on specific subgroups (only Down syndrome, only tuberous sclerosis complex, etc.)
Intervention	<ul style="list-style-type: none"> Oral prednisone or prednisolone 	<ul style="list-style-type: none"> Other steroids
Comparison	<ul style="list-style-type: none"> Intramuscular ACTH 	<ul style="list-style-type: none"> Other steroids
Outcomes	<ul style="list-style-type: none"> Cessation of clinical spasms at 14 days after initiation of treatment 	<ul style="list-style-type: none"> Lack of information on clinical outcome

Systematic search of the literature. Our search strategy was registered at PROSPERO

(https://www.crd.york.ac.uk/PROSPEROFILES/152181_STRATEGY_20191129.pdf)¹ and performed on November, 29, 2019. The search strategy included:

-PubMed ("Spasms, Infantile"[mesh] OR infantile spasm*[tiab] OR west syndrome[tiab] OR neonatal spasm*[tiab]) AND ("Adrenocorticotrophic Hormone"[Mesh] OR corticotrophin[tiab] OR corticotropin[tiab] OR adrenocroticotropic hormone[tiab] OR adrenocorticotropin[tiab] OR adrenocorticotrophin[tiab] OR acth[tiab] OR "Prednisolone"[Mesh:noexp] OR "Prednisone"[Mesh] OR Predniso*[tiab] OR dacortin[tiab])

-Embase ('infantile spasm'/exp OR 'infantile spasm*':ab,ti OR 'west syndrome':ab,ti OR 'neonatal spasm*':ab,ti) AND ('prednisolone'/exp OR 'corticotropin'/exp OR 'prednisone'/exp OR corticotrophin:ab,ti OR corticotropin:ab,ti OR 'adrenocroticotropic hormone':ab,ti OR adrenocorticotropin:ab,ti OR adrenocorticotrophin:ab,ti OR acth:ab,ti OR predniso*:ab,ti OR dacortin:ab,ti)

-Web of Science (TS=("infantile spasm*" OR "west syndrome" OR "neonatal spasm*") AND TS=("corticotrophin" OR "corticotropin" OR "adrenocroticotrophic hormone" OR "adrenocorticotropin" OR "adrenocorticotrophin" OR "acth" OR "predniso*" OR "dacortin"))

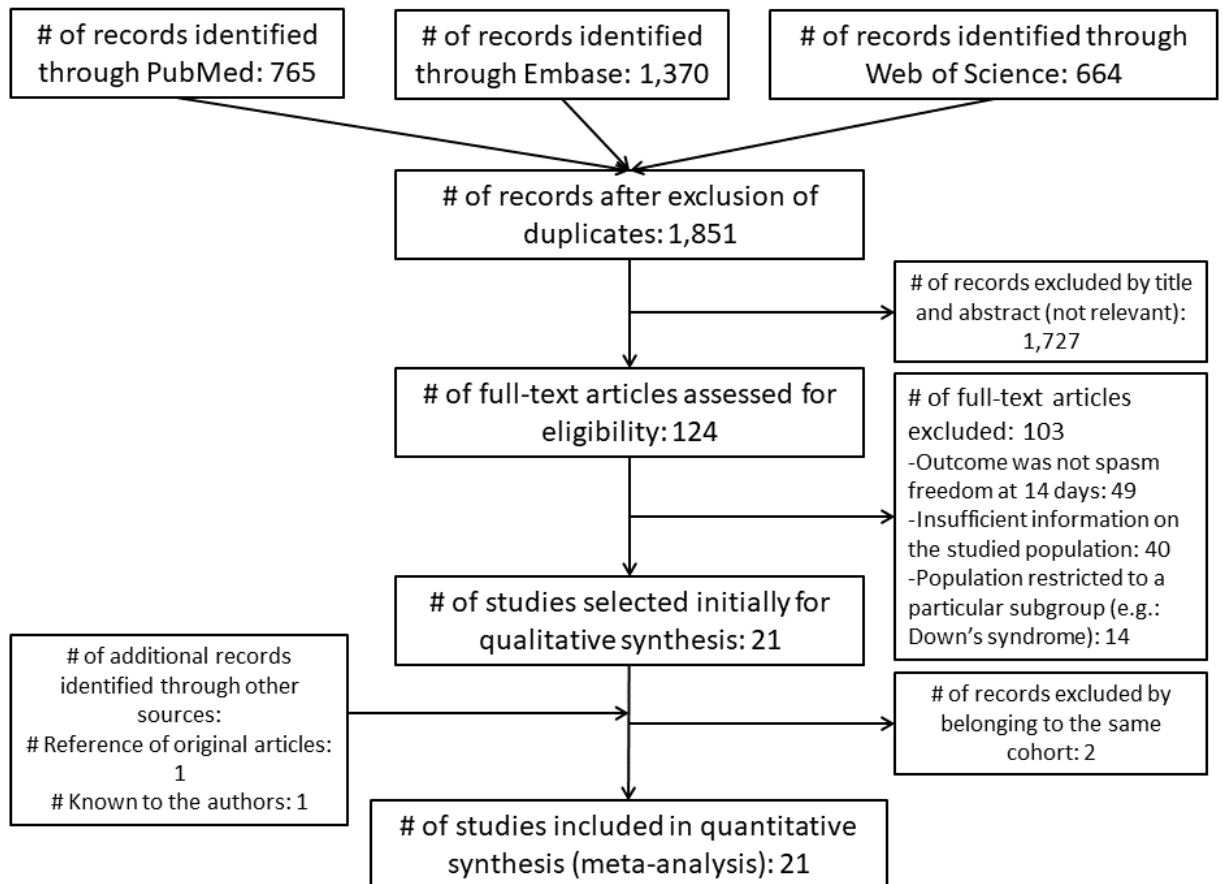


Figure. Search strategy.

REFERENCES

1. PROSPERO. International prospective register of systematic reviews. URL for our search strategy: https://www.crd.york.ac.uk/PROSPEROFILES/152181_STRATEGY_20191129.pdf [database on the Internet]. 2019.