TITLE: USAGE-BASED THEORY AND THE GESTALT LANGUAGE PROCESSOR:

P (Population): Children with typical and atypical development (autism)

C (Concept): Language acquisition theories, specifically Usage-Based Theory (UBT) and Gestalt Language Processing (GLP).

C (Context): open

- **Guiding Research Question based on my PCC:**

What are the similarities and differences between the Gestalt Language Processing and Usage-Based Theory approaches in explaining language development in children with typical and atypical development (autism)?

Inclusion Criteria/ Filters
Inclusion Criteria:

- Studies addressing UBT and/or GLP in the context of language acquisition (typical or atypical), including original articles and reviews
- Published in Portuguese, English, or Spanish.

Filters:

- Autism
- Gestalt language processos
- Usage-based theory
- Usage based tehory
- Gestalt language processing
- Language acquisition

Search Strategy

Search Terms:

Acronym	**MeSH**	**Related Terms**
Population	"Autism Spectrum Disorder"[MeSH Terms] “Autistic Disorder” [MeSH Terms] “Autism Spectrum Disorder” [MeSH Terms]	autism*[tiab] ASD[tiab] autistic*[tiab] "typically developing"[tiab] "typical development"[tiab] “neurotypical*”[tiab]

Concept	"Language Development"[MeSH Terms]	"Usage-Based Theory"[tiab] "Usage-based model"[tiab] "Gestalt Language Processing"[tiab] "Gestalt Language Processor"[tiab] "chunk learning"[tiab]
Context	-	-

DATA BASE	Date of search
PUBMED	
("Autism Spectrum Disorder"[MeSH Terms] OR "Autistic Disorder" [MeSH Terms] OR autism*[tiab] OR ASD[tiab] OR autistic*[tiab] OR "typically developing"[tiab] OR "typical development"[tiab] OR neurotypical*[tiab]) AND ("Language Development"[MeSH Terms] OR "Usage-Based Theory"[tiab] OR "Usage-based model"[tiab] OR "Gestalt Language Process*" OR "chunk learning"[tiab])	**September, 10, 2025**
EMBASE	
('autism'/exp OR 'autism*':ti,ab,kw OR 'asd':ti,ab,kw OR 'autistic*':ti,ab,kw OR 'typically developing':ti,ab,kw OR 'typical development':ti,ab,kw OR 'neurotypical*':ti,ab,kw) AND ('language development'/exp OR 'usage-based theory':ti,ab,kw OR 'usage-based model':ti,ab,kw OR 'gestalt language process*' OR 'chunk learning':ti,ab,kw)	September,09, 2025
PSYCINFO	
(autism OR autistic OR "autism spectrum disorder" OR ASD OR "autistic disorder" OR "typically developing" OR "typical development" OR neurotypical) AND ("language development" OR "usage-based theory" OR "usage-based model" OR "gestalt language processing" OR "chunk learning")	September, 09, 2025
LILACS	
(mh:("Autistic Disorder") OR mh:("Autistic Disorders") OR mh:("Autism Infantile") OR mh:("Autism") OR mh:("Early Infantile Autism") OR ti:("typically developing" OR "typical development" OR neurotypical) OR ab:(autism OR ASD OR autistic OR "typically developing" OR "typical development" OR neurotypical)) AND (mh:("Language Developments") OR mh:("Language Acquisition") OR ti:("usage-based theory" OR "usage-based model" OR "gestalt language processing" OR "chunk learning") OR ab:("usage-based theory" OR "usage-based model" OR "gestalt language processing" OR "chunk learning"))	**September, 10, 2025**
SCOPUS	
(TITLE-ABS-KEY(autism* OR ASD OR autistic* OR "typically developing" OR "typical development" OR neurotypical* AND	September, 09, 2025

child* OR toddler* OR preschool*)) AND (TITLE-ABS-KEY("usage-based theory" OR "usage-based model" OR "gestalt language processing" OR "gestalt language learner*" OR "chunk learning" OR "language acquisition" OR "language development" OR "language processing"))	
WEB OF SCIENCE	
TS=("autism spectrum disorder" OR "autistic disorder" OR autism* OR ASD OR autistic* OR "typically developing" OR "typical development" OR neurotypical*) AND TS=("language development" OR "usage-based theory" OR "usage-based model" OR "gestalt language process*" OR "chunk learning")	September, 11, 2025