

# SPEECH THERAPY IN TREATMENT CHILDREN LANGUAGE DISORDERS

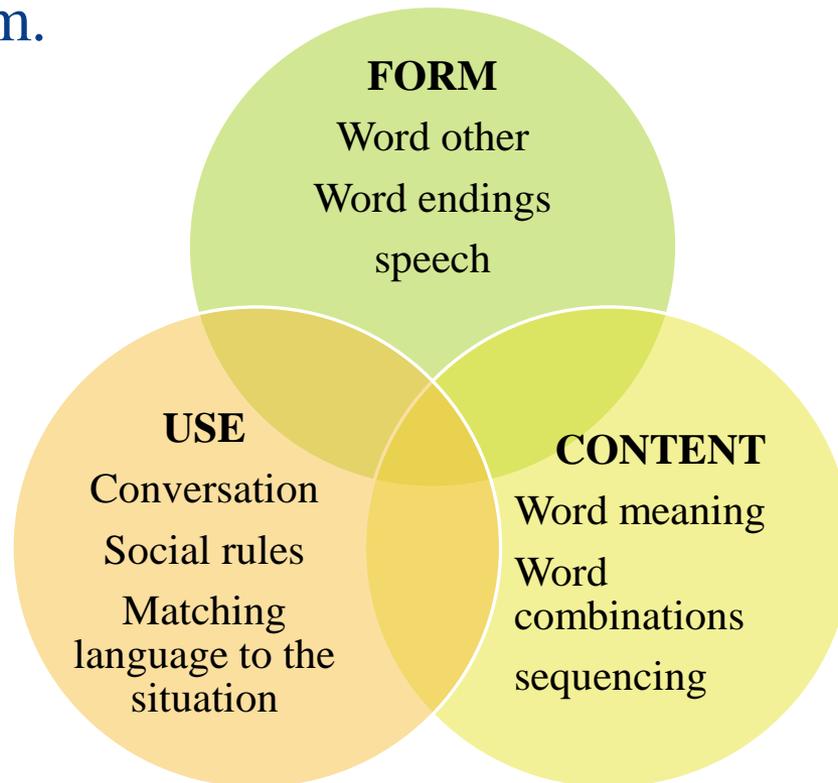
*SPEECH THERAPIST*

*LÊ THỊ ĐÀO*

*NGUYỄN CHÂU TUYẾT NHƯ'*

# WHAT ARE LANGUAGE DISORDERS

\* Children with language disorders as an Impairment in comprehension and/or use a spoken, written other symbol system.



*The American Speech-Language and Hearing Association (ASHA)*

# AETIOLOGY

- \* Environmental factors: external experiences that either increase risk or are protective in face of biological disorder
- \* Biological factors: genetic risk, different brain structure & function
- \* Cognitive factors: differences in perception & information processing
- \* Behavioural features: overt differences in behaviour that characterise the disorder

Paul, R.(2012)

# TYPES OF CHILD LANGUAGE DISORDER

- \* Premature birth
- \* Low birth – weight
- \* Hearing Loss
- \* Autism Spectrum Disorder
- \* Intellectual Disabilities
- \* Brain Injury
- \* Genetic Syndromes.
- \* Cerebral Palsy
- \* Malnourished children

# ASSEMENT

## Comprehension:

Syntax  
Semantic  
(word and sentence  
level)

## Production:

Syntax  
Semantic  
(word and sentence  
level)

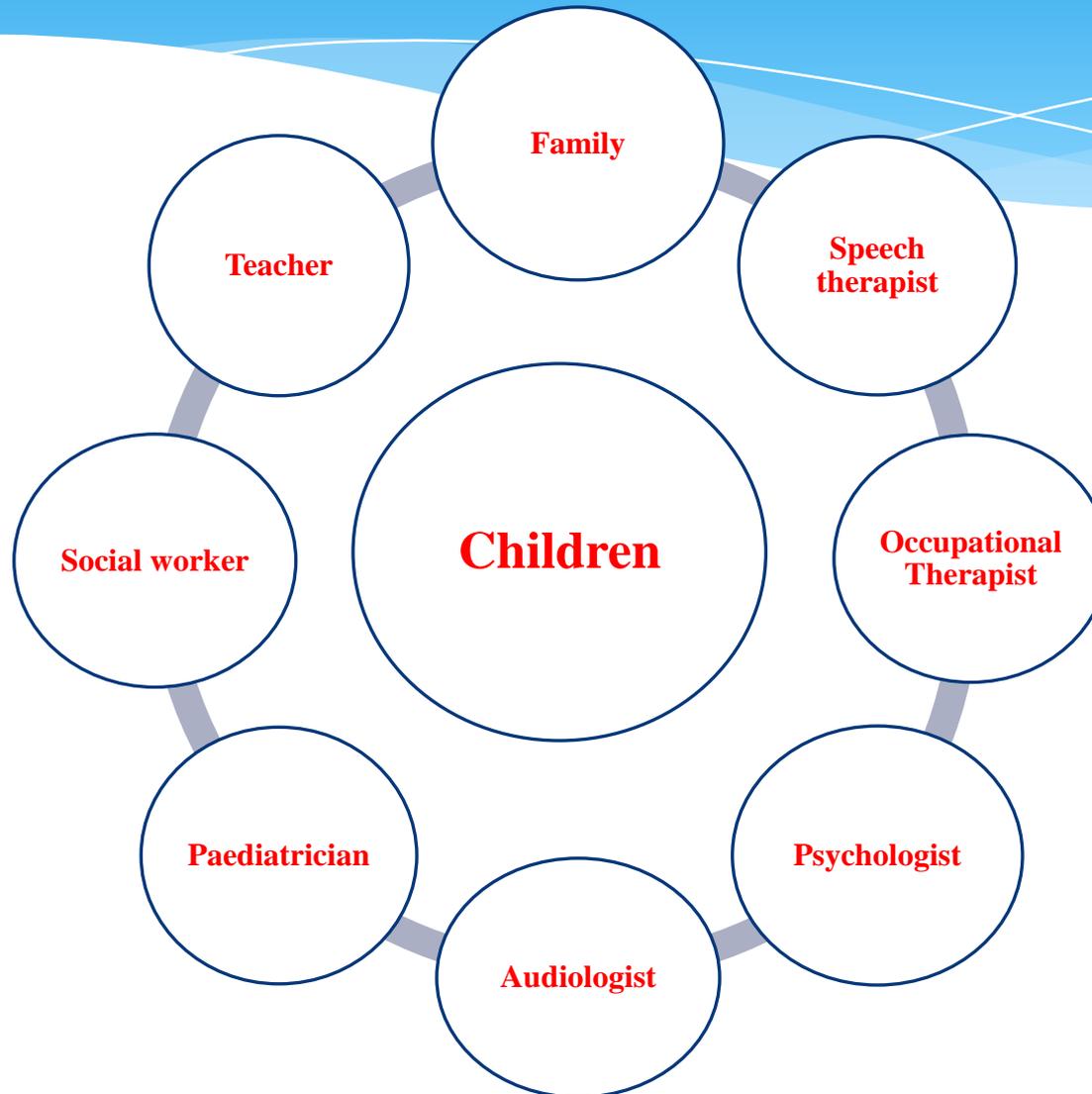
## Communication:

Functions  
Intentions

## Other:

Hearing  
Speech motor  
Nonverbal cognition  
Social Functioning  
Adaptive Functioning  
Behaviours

# MULTIDISCIPLINARY TREATMENT



*Multidisciplinary Team  
Working From Theory to  
Practice – Mental Health  
Commission*

# MULTIDISCIPLINARY TREATMENT

<u>Speech therapist</u>	<u>Occupational Therapist</u>	<u>Psychology</u>	<u>The Social Worker</u>
<ul style="list-style-type: none"><li>• S.T support service users develop these skills and developing the skills of carers and staff to enhance communication.</li></ul>	<ul style="list-style-type: none"><li>• O.T. focuses on the ability of an individual to perform daily life tasks.</li><li>• Assessment and intervention may of motor, process, sensory and development skills in daily activities, such as, dressing, bathing, writing and play at home, school, work</li><li>• Adaptive to provide for specialised equipment.</li></ul>	<ul style="list-style-type: none"><li>• Psychology is concerned with all aspects of behaviour and the thoughts, feelings and motivations underlying such behaviour.</li></ul>	<ul style="list-style-type: none"><li>• Provide ongoing support and counselling as required for service users and their families.</li><li>• Social Workers act as advocates for service users and families and seek to inform them of their entitlements.</li></ul>

# EFFECTIVENESS OF SPEECH THERAPY

- \* Children with primary language delay/disorder can also have long-term difficulties which persist to adolescence and beyond (Haynes 1991, Rescorla 1990) with some 30-60% experiencing continuing problems in reading and spelling.
- \* The results of twenty-five studies were used in the meta-analysis: Speech and language therapy is effective for children with:
  - Phonologica(SMD=0.44, 95%CI: 0.01,0.86)
  - Vocabulary difficulties (SMD=0.89, 95%CI: 0.21,1.56)
  - Expressive syntax interventions (n=233; SMD=1.02, 95%CI: 0.04-2.01).

*Law J, Garrett Z, Nye C (2003). Speech and language therapy interventions for children with primary speech and language delay or disorder. Cochrane Database Syst Rev (3): CD 004110*

# ROLES AND RESPONSIBILITIES OF SPEECH THERAPIST

- \* Prevention
- \* Screening, Evaluation, and Assessment
- \* Planning, Implementing, and Monitoring Intervention
- \* Consultation With and Education of Team Members, Including Families and Other Professionals
- \* Service coordination
- \* Transition planning
- \* Advocacy
- \* Awareness and advancement of the knowledge base

ASHA's Ad Hoc Committee on the Role of the Speech-Language Pathologist

# REFERENCES

- \* Paul, R. (2012). Models of language impairment. In Paul, R., & Norbury, C. F. *Language disorders from infancy through adolescence. Listening, speaking, reading, writing, and communicating*, p1-21. Elsevier.
- \* Roles and Responsibilities of SpeechLanguage Pathologists in Early Intervention: Guidelines Ad Hoc Committee on the Role of the Speech-Language Pathologist in Early Intervention – American Speech – Language- Hearing Association.
- \* Multidisciplinary Team Working: From Theory to Practice – Mental health Commission