

Treatment for Articulation and Phonological Disorders 構音異常的治療策略

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Classification of Speech Errors -Phonological vs. Phonetic Errors 音韻 vs 構音

- Phonological disorders are common in children with cleft palate (Powers, 1990; Chapman, 1993; Pamplona & Ysunza, 1999a)
音韻障礙常見於唇顎裂兒童
- The phonetic errors associated with cleft palate becomes incorporated into the child's rule system for sounds and, in this way, evolve into phonological disorders (Chapman, 1993; Pamplona & Ysunza, 1999a).
與唇顎裂相關的構音障礙常發展成音韻障礙

Patterns of Errors -Changes in Place of Production 華語構音位置異常的形態(一)

- Backing 舌後置化
- Fronting 舌前置化
- Alveolarization 舌尖化
- Palatization 舌面化

Patterns of Errors
-Changes in Place of Production
華語構音位置異常的形態(二)

- Glottal Replacement***喉頭音化
- Labiodentalization***唇齒音化

Patterns of Errors
-Changes in Manner of Production
華語構音位置異常的形態(一)

- Stopping 塞音化
- Affrication 塞擦音化
- Frication 擦音化
- Deaffrication 去塞擦音化
- Lateralization 側音化

Patterns of Errors
-Changes in Manner of Production
華語構音位置異常的形態(二)

- Aspiration 送氣化
- Unaspiration 不送氣化
- Gliding 邊音化
- Denasalization 去鼻音化
- Weak Pressure***氣流不足

Patterns of Errors
-Changes in Structure
華語音韻結構異常的形態

- Initial Consonant Deletion (聲母省略)
- Final Consonant Deletion (聲隨韻母省略)
- Deletion of Medial (介音省略)
- Simplification of Diphthong (韻母簡化)

Goal of Therapy
治療

Rote Learning 反覆練習
vs.
Cognitive Learning 認知學習
↓
Improved Intelligibility 清晰度

Selection of Treatment Targets
治療目標的選擇

- Stimulability 可引發性
- Emerging sound 發展中的音
- Key word 練習的詞彙至少出現過一次
- Phonetic Placement 語料中出現過音可以修飾成另一個音

Facilitative Technique
-Minimal\Word Pairs
治療策略-最小詞組/詞組

- Need pairs of words that differ by only one feature-the feature that you're trying to get the child to conceptualize
- These words must be picturable

最小詞組/詞組意指詞組間只相差一個音素，且此音素可以用圖像表現，讓孩子更清楚了解此音素特質的概念。例如汽球與地球

Facilitative Technique
-Imagery
治療策略-意像的運用

- Stressing conceptualization rather than motor mimicry 強調概念而非模仿
- Presenting semantic prompts 呈現有意義的暗示
- Easily understood by the client 易懂

Facilitative Technique
-Touch Cues
治療策略-觸覺暗示的運用

Touch cues draw the client's attention to production characteristics of sounds
觸覺暗示可以讓患者注意到構音的特色

Facilitative Technique

-Monitoring

治療策略-監控的運用

- Monitoring involves providing auditory, visual, or physical cues which allow clients to focus on a specific task

藉由視、聽、或肢體的暗示去注意到特定的事件、視、聽、或肢體的暗示可由患者或治療師提供

Facilitative Technique

-Phonetic Placement

治療策略-構音位置

- Teaching the tongue and lip positions used in speech production

教說話位置的擺放

Facilitative Technique

-Shaping

治療策略-模仿

- Using a sound the client can already produce to learn a new sound

利用已存在的音引發新的音

**Facilitative Technique
-Spelling**

治療策略-拼音的運用

Spell the initial and the medial

Combined with the final parts

變通拼音法先將聲符與介音結合，再與其他部分結合

**Facilitative Technique
-Facilitative Talk**

治療策略-對話技巧(一)

A body of techniques for talking with clients who have articulation and phonological disorders and language disorders

一些與構音，音韻與語言障礙患者的對話技巧

**Facilitative Technique
-Facilitative Talk**

治療策略-對話技巧(二)

- Motherese 媽媽語
- Expansions 擴張
- Strategic Errors 技巧性犯錯
- Modeling 示範
- Parallel Talk 平行說話
- Requests for Confirmation or Clarification 澄清技巧

Lesson Plan 治療計劃的撰寫

- Performance 要做甚麼
- Condition 怎麼做
- Criteria 成功目標

Example:

Correctly imitate /s/ in isolation in 8 of 10 attempts

藉由觸覺與視覺的提示下【火車的聲音】王メメ在10次的嘗試中有8次可以正確發雙韻母/ㄙ/

References

- Bleile, K. M. (1995). Manual of articulation and phonological disorders. Infancy through adulthood, Singular Publishing Group.
- Golding-Kushner, K. J. (1995). Treatment of articulation and resonance disorders associated with cleft palate and VPI. In R. J. Shprintzen & J. Bardach (Eds.), Cleft palate speech management: A multidisciplinary approach. St Louis: Mosby.
- Klein, E. S. (1997). Clinical Phonology: assessment and treatment of articulation disorders in children and adults. Singular Publishing Group.
- Goldberg, Stanley.A. (1997). Clinical Skills for speech-language Clinician, Singular Publishing Group.
- 謝雲飛(1997). 語音學大綱(第四版).台灣學生書局.
- 國立編譯館主編(2000). 國語(第二十六版). 正中書局.

References Continued

- Goldberg, Stanley.A. (1997). Clinical Skills for speech-language Clinician, Singular Publishing Group.
- 謝雲飛(1997). 語音學大綱(第四版).台灣學生書局.
- Meyer, S.M. (1998). Survival Guide for the Beginning Speech-Language Clinician. Aspen Publishers, Inc.
- 國立編譯館主編(2000). 國語(第二十六版). 正中書局.
