CONSONANT PRODUCTION ERRORS
(Compensatory Articulation Errors)

Within normal limits / None
Abnormal backing of oral targets to post-uvular place:
  • To pharyngeal
  • To glottal
Abnormal backing of oral targets but place remains oral
  • To mid-dorsum palatal
  • To velar
  • To uvular
Nasal fricative
  • Phoneme specific
  • Not phoneme specific
Nasal consonant for oral pressure consonant
Nasalized voiced pressure consonants
Weak oral pressures

**Developmental articulation/phonological error**

Source:

SEVERITY OF COMPENSATORY ARTICULATION ERRORS (*According to stimulability*)

Appropriate articulation (First category): Subjects are able to produce adequate placement and manner of articulation during spontaneous speech, including non-present situations.

• **Inconsistent articulation** (Second category): Patients show compensatory articulation errors inconsistently during spontaneous connected – conversational speech. Intelligibility is not significantly affected.

• **Articulation within context** (Third category): Patients are able to self-correct articulation when using speech within a specific context. For example, when telling a story from a story – book, which the patient already knows well. Nonetheless he shows frequent compensatory errors during spontaneous connected – conversational speech, and this may affect intelligibility.

• **Articulation with strategies** (Fourth category): Patients can correct articulation during isolated words or selected short phrases, only when the clinician uses specific instructions on articulation. Intelligibility is significantly affected.
• **Articulation of isolated phonemes** (Fifth category): Patients are able to correct articulation only in isolated phonemes through direct instruction. Intelligibility is severely affected.

• **Constant CAD** (Sixth category): These are the most severe cases. Patients are not able to correct articulation not even in isolated phonemes and despite direct instruction. Intelligibility is severely affected.

**Source:**

A Study of Strategies for Treating Compensatory Articulation in Patients with Cleft Palate
Ma Carmen Pamplona • Antonio Ysunza • Katia Chavelas • Esperanza Aramburu • Carmeluza Patino • Fernanda Marti. Santiago Morales
HYPERNASALITY

Within Normal Limits

- Mild:
  Nasality exceeds regional speech nasality
  There is increased nasality heard on high vowels primarily
  There is inconsistent or intermittent increased nasality across vocalic segments
  Nasality is perceived as socially acceptable in most circles
  Patient or parent are satisfied with individual speech resonance
  Speech specialist probably would not recommend physical management after instrumental assessment

- Moderate:
  Hypernasality is perceived as pervasive and draws attention to itself and away from the message
  There is increased nasality heard on high and low vowels
  Most vowels retain their identity
  Speech is socially unacceptable
  The speech specialist probably would recommend physical management after instrumental assessment

- Severe:
  Hypernasality is perceived as pervasive and interferes with speech understandability
  There is increased nasality heard on vowels and some voice consonants
  Some vowels may lose their identity
  Nasality is socially very unacceptable
  The speech specialist definitely would recommend physical management after instrumental assessment
HIPONASALITY

Within normal limits / None
Present

NASAL EMISSION

Within normal limits / None
- Present — intermittent – variable - frequent or pervasive
- Phoneme specific

SPEECH UNDERSTANDABILITY OR INTELLIGIBILITY

Within normal limits: Speech is always easy to understand
- Mild: Speech is occasionally hard to understand
- Moderate: Speech is often hard to understand
- Severe: Speech is hard to understand most or all of the time

SPEECH ACCEPTABILITY

Within normal limits: Speech is normal
- Mild: Speech deviates from normal to a mild degree
- Moderate: Speech deviates from normal to a moderate degree
- Severe: Speech deviates from normal to a severe degree
<table>
<thead>
<tr>
<th>COMPENSATORY ARTICULATION ERRORS</th>
<th>Y</th>
<th>N</th>
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<tbody>
<tr>
<td>(CONSONANT PRODUCTION ERRORS)</td>
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</table>

**SEVERITY - STIMULABILITY:**
- Articulation with strategies: Y | N

**HYPERNASALITY**
- Mild: Y | N
- Moderate: Y | N
- Severe: Y | N

**NASAL EMISSION**
- Consistent: Y | N
- Inconsistent: Y | N

**CLEFT ASSESSMENT**

<table>
<thead>
<tr>
<th>UNREPAIRED</th>
<th>REPAIRED</th>
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<tbody>
<tr>
<td>PRIMARY</td>
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<td>FISTULAE</td>
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<tr>
<td>LOCALIZATION</td>
<td>HARD PALATE</td>
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CONCLUSION: