
Learner Outcomes:
Each reader of this article should be able to:
- Choose whether Mandarin Chinese or English speakers demonstrate superior auditory temporal resolution.
- Contrast energetic and informational masking.
- Select whether monolingual or bilingual listeners demonstrated a greater release from masking for speech recognition in their native languages.

1. Which of the following statements is true about speech perception of bilingual (BL) listeners?
   a. perception of second language (L2) is more difficult than first language (L1) in adverse listening conditions
   b. perception of L2 is easier than L1 in adverse listening conditions
   c. perception of L2 is the same as L1 in adverse listening conditions
   d. BL listeners demonstrate the same L2 perception as native monolingual (ML) listeners with equal signal-to-noise ratios (SNRs)

2. Which of the following statements is NOT true?
   a. noise impairs speech perception because it serves as an energetic masker and/or an informational masker
   b. both energetic masking and informational masking are central auditory processing phenomena
   c. energetic masking occurs when noise overlaps spectral or temporal domains of a speech stimuli, making speech inaudible
   d. informational masking refers to masking that cannot be explained by energetic masking

3. The perception of L2 in noise by BL listeners is affected by:
   a. competing stimulus
   b. age of L2 acquisition
   c. length of L2 experience/use
   d. all of the above

4. This study was novel in that nonnative listeners’ speech perception with both L1 and L2 stimuli was examined in competing:
   a. stationary energetic maskers
   b. nonstationary informational maskers
   c. stationary and nonstationary informational maskers
   d. stationary and nonstationary energetic maskers

5. Spoken Mandarin Chinese:
   a. has more complex syllables than English
   b. has three lexical pitches that are characterized by fundamental frequency contours
   c. is tonal where stressed syllables have a “contrastive pitch”
   d. includes only stops as final consonants

6. The Mandarin Hearing in Noise Test (MHINT):
   a. consists of 20 lists of 12 sentences
   b. has sentences of varying length
   c. has similar measurement properties and test characteristics as the Hearing in Noise Test (HINT)
   d. is a modification of the Cantonese Hearing in Noise Test (CHINT)

7. Release from masking in interrupted noise is determined by:
   a. subtracting interrupted noise RTS dB SNRs from continuous noise RTS dB SNRs scores
   b. subtracting continuous noise RTS dB SNRs from interrupted noise RTS dB SNRs scores
   c. adding continuous noise RTS dB SNRs to interrupted noise RTS dB SNRs scores
   d. averaging interrupted noise RTS dB SNRs with continuous noise RTS dB SNRs scores

8. BL Mandarin-English Chinese listeners performed significantly better (i.e., lower RTSs) than ML English listeners on the English HINT in:
   a. quiet
   b. interrupted and continuous noise
   c. interrupted noise, only
   d. none of the English HINT tasks

9. The significantly greater release from masking displayed by the ML English participants relative to the BL Mandarin-English Chinese participants with their respective L1 stimuli can be attributed to:
   a. differential masking effects with both noises on one of the two language stimuli
   b. differential masking effects with continuous noise on one of the two language stimuli
   c. differential masking effects with interrupted noise on one of the two language stimuli
   d. English participants having better temporal acuity

10. The authors concluded from their investigation:
    a. English speakers possess poorer auditory temporal resolution
    b. Mandarin Chinese speakers possess superior auditory temporal resolution
    c. auditory temporal resolution is similar for Mandarin Chinese and English speakers
    d. auditory temporal resolution was not addressed
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