

精神分裂症患者在听觉掩蔽环境下的言语识别*

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摘要

关键词: 精神分裂症; 言语识别; 听觉掩蔽; 感觉门控; 感觉门控缺失
分类号 B845

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(Horan et al., 2008; Skelley, Goldberg, Egan, Weinberger, & Gold, 2008; Barnett et al., 2010)
(Allen, Griss, Folley, Hawkins, & Pearson, 2009; Barnett et al., 2010) (Giakoumaki, Roussos, Pallis, & Bitsios, 2011; Ivleva et al., 2012),
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(Gottesman & Gould, 2003; Barnett et al., 2010)

1 精神分裂症的感觉门控缺失

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(Hoffman et al., 2007),
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Gottesman & Gould, 2003; Light & Braff, 2003)

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(2009CB320901; 2011CB707805)

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2 精神分裂症与听觉掩蔽

2.1 听觉加工干扰：能量掩蔽和信息掩蔽

2009047EJET-42(&)-21()-29(S)-43(c)-22MCIDF1 0 Tc904BDC

(Li, Daneman, Qi, & Schneider, 2004; Shinn-Cunningham, 2008; Shinn-Cunningham & Wang, 2008)

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(Freyman, Helfer, McCall, & Clifton, 1999; Freyman, Balakrishnan, & Helfer, 2001, 2004; Li et al., 2004; Yang et al., 2007; Wu, & Cao et al., 2012; Wu, & Li et al., 2012)

(Shinn-Cunningham, 2008)

1) 2) (Best, Gallun, Carlile, & Shinn-Cunningham, 2007; Shinn-Cunningham, 2008)

(Freyman, Balakrishnan, & Helfer, 2001, 2004; Li et al., 2004; Yang et al., 2007; Wu, & Cao et al., 2012; Wu, & Li et al., 2012)

(Brungart, Simpson, Ericson, & Scott, 2001; Freyman, Balakrishnan, & Helfer, 2004; Li et al., 2004; Kidd, Arbogast, Mason, & Gallun, 2005; Wu et al., 2005; Wu, & Li et al., 2012)

(Force, Venables, & Sponheim, 2008),
 (Kasai et al., 2003);
 (Källstrand et al., 2002);
 ()
) (Hoffman, Rapaport, Mazure,
 & Quinlan, 1999; Lee et al., 2004) ,
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 (Wu, & Cao et al.,
 2012) ,
 (Mickey & Dalack, 2005),
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 (Carroll, Boggs, O'Donnell, Shekhar,
 & Hetrick, 2008; Wood et al., 2008)
 Källstrand (2002) 12
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 (Kuperberg & Heckers, 2000; Kallstrand et al., 2002;
 Rosenkranz, Moore, & Grace, 2003)

-8 , 1998) / (Okugawa, Sedvall, & Agartz, 2002; Federspiel et al., 2006; DeLisi, 2008; Friedman et al., 2008; Gasparotti et al., 2009)

18% () 21% (39),

24) 24% (Ross 2007 , (PANSS)

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Ross ; ②Ross 4) Wu (2012)

() () , Ross (Tombaugh, 2006),

(Ohrmann et al., 2007; Forbes, Carrick, McIntosh, & Lawrie, 2009; Pantelis et al., 2009;Zanello, Curtis, Badan B â & Merlo, 2009),

(Freyman et al., 1999; Li et al., 2004; Wu et al., 2005; Rakerd, Aaronson, & Hartmann, 2006)

(Wu et al., 2012), Ross , Wu 2012

2) Wu (2012) , 5) Wu (2012)

3) Wu (2012) (=

1) (Øie, Rund, Sundet, & Bryhn,

3 未来的研究展望

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(Myslobodsky, Goldberg, Johnson, Hicks, & Weinberger, 1992; Schonauer, Achtergarde, & Reker, 1998; de Gelder, Vroomen, Annen, Masthof, & Hodiament, 2003; Ross et al., 2007; Szycik et al., 2009),

2)

3)

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Speech Recognition in Schizophrenic under Masking Conditions

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Abstract: Some cognitive deficits are specifically trait-related to schizophrenia and are important for early detection, diagnosis, and treatment of this mental disorder. This article reviews the literature on deficits of schizophrenic patients in auditory masking tasks, auditory attention, and auditory working memory, and particularly put the emphasis on the vulnerability of speech recognition to masking stimuli, especially informational masking stimuli. This article will facilitate both the understanding of the etiology of schizophrenia and the exploration of new methods for early diagnosis and treatment of this mental disorder.

Key words: schizophrenia; speech recognition; energetic masking; informational masking; working memory; first-episode schizophrenics; chronic schizophrenics