

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

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关键词 ; ; ; ; ; ; ;

分类号 B845

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1 精神分裂症的感觉 门控 缺失

(Horan et al., 2008; Skelley, Goldberg, Egan, Weinberger, & Gold, 2008; Barnett et al., 2010)

(Allen, Griss, Folley, Hawkins, & Pearlson, 2009; Barnett et al., 2010) (Giakoumaki, Roussos, Pallis, & Bitsios, 2011; Ivleva et al., 2012),

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

(Gottesman & Gould, 2003; Barnett et al., 2010)

2002; Allen et al., 2009)

(Lee, Chung, Yang, Kim, & Suh, 2004; Ross et al., 2007)

(fMRI)

(PET-CT) (Gottesman & Gould, 2003; Kumari et al., 2010)

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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

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(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)
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(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)

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(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)

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3 未来的研究展望

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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 facilitates both the understanding of the etiology of schizophrenia and the explosions 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