

시지각 및 구성능력의 신경심리학적 평가

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Neuropsychological Evaluation of Visual Perception and Construction

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ABSTRACT

Visual perception is a complex process engaging many different aspects of brain functioning. Like other cognitive functions, the extensive cortical distribution and complexity of visual perceptual activities make them highly vulnerable to brain injury. Detection and characterization of perceptual disorders require a careful clinical assessment as well as the application of selected neuropsychological tests. In this article we reviewed neuropsychological assessment of visual perception and constructional abilities. And the principal visuospatial disorders are discussed, the associated neuropsychiatric disorders are presented.

KEY WORDS : Visual perception · Neuropsychological assessment · Neuropsychiatric disorders.

서 론

시지각은 뇌의 여러 부위를 관여하는 복잡한 과정이다. 다른 인지 기능과 마찬가지로, 광범위한 대뇌 피질 분포와 시지각 활동의 복잡성은 뇌 손상에 매우 취약하다. 시지각 장애의 발견과 특성화는 신중하고 철저한 임상 평가를 필요로 하며, 또한 선택된 신경심리학적 검사들의 적용을 필요로 한다. 본 논문에서는 시지각과 구성능력의 신경심리학적 평가를 검토하고, 주요 시공간 장애와 관련된 신경정신과적 장애를 소개한다.

본 론

시지각은 구성능력과 함께 시공간 지각의 중요한 부분이다. (Coslett Saffran 1992).

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(awareness), (recognition), (discrimination), (patterning), (orientation) (Egelko 1988) 가

1. 시지각(Visual perception)

가

Heilman(1986) FI- (letter cancellation test)

(1)

가

가

가

Letter Cancellation Task(Diller Weinberg 1977)

가

가

가

가

가

/

가

가

가

가

가

Star Cancellation Task(Halligan 1991)

가

56

가

가

/

가

Line Bisection Test(Schenkenberg 1980)

가

1) 시각적 부주의(Visual inattention)

(

)

가 가

)

(Ogden 1985),

가

(Heilman 1993).

Bells Test(Gauthier 1989)

315

(, ,)

20 x 30

cm

34 가

2) 시각적 주사(Visual scanning)

(Marsh Karsel 1993).

가

가

(Diller 1974),

(Diller Weinberg 1977).

가

가

(Weinberg 1972).

가

. Binder

가

(1992)

line bisection task

(canc -

ellation task)

가

line bisection task

(1)

(

가

),

(

Visual Search(Goldstein 1973)

)

(

)

Repeatable - Cognitive - Perceptual - Motor Battery(RCPM)

가 가

50 50

가 가 5%

3) 색채 지각(Color perception)

가 Rorschach 가

Stroop (color 가

agnosia) (1) Gestalt Completion Test(Ekstrom 1976) 가

(1) Coloring of Pictures, Wrongly Coloured Pictures(Davidoff Fodor 1989) (Coloring of Pictures) 가 Street Completion Test(Street 1931), Mooney Closure Test(Mooney Ferguson 1951) Wasserstein (1987) 가

ures) 가 (Wrongly Coloured Pictures) Gollin Figures(Gollin 1960) 20

4) 시각 인식(Visual recognition)

가 가 가 Hooper Visual Organization Test(Hooper 1983)

가 가 가 (facial recognition)

가가 (fragmentation) 가

(1) Benton Facial Recognition Test(Benton 1978) 가 6 43 46 6) 시각적 간섭(Visual interference) 가

40 38 Warrington Face Recognition Memory Test (Warrington 1984) 가

100 가 (1) Hidden figure(Thurstone 1944) 가

3 가

가 가

16 . Spreen Benton(1969)
 Embedded Figures Test 49
 Closure Flexibility 가 (Thurstone
 Jeffrey 1982).

2. 구성능력(Constructional Abilites)

가 가

가

가

가

1) 신경심리학적 검사

(1) Bender Gestalt Test(Bender 1938)

9 가
 Hain(1964)

가 가

(2) Rey - Osterreith Complex Figure Test(Rey 1941)

Rey

. Lezak

(1983)

가 Rey

가

3. 시지각 장애

1) 안면실인증(Prosopagnosia)

가 가

2) 환경실인증(Environmental agnosia)

3) 일측성 무시(Unilateral neglect)

가 가

4) 질병불각증(Anosognosia)

가

4. 시각-지각 장애와 관련된 정신질환

. Cagras syndrome

가

결 론

가

가

가

중심 단어 :

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