

급성기 정신병 환자에서 Olanzapine의 임상적 사용

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ABSTRACT

Olanzapine for the Acutely Agitated Psychotic Patients

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Agitation is a common and urgent condition involving motor hyperactivity and symptoms such as irritability, combativeness, or impaired judgement. Rapid assessment and effective treatment are necessary to manage agitation and, potentially, to shorten the time to recovery. Rapid treatment with intramuscular (IM) typical antipsychotics and/or benzodiazepines may be essential to prevent injury to the patients or others. However, IM typical antipsychotics are associated with acute extrapyramidal side effects, and IM benzodiazepines may cause excessive sedation leading to respiratory depression, ataxia, and confusion. Recently, an IM formulation of olanzapine may present several treatment advantages when rapid treatment of acute agitation is essential in patients with schizophrenia, bipolar disorder, and others. In addition, rapid initial dosing with olanzapine may be a useful approach to manage acute agitation in some patients with schizophrenia. (Korean J Psychopharmacol 2005;16 (Supplement 1):71-76)

KEY WORDS : Acute psychosis · Olanzapine.

서 론

(agitation)

haloperidol fluphenazine

lorazepam

benzodiazepine 가

zepine

, parkinsonism

가 , benzodia-

benzodiazepine

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, 가

Olanzapine

가¹⁾ (, ,)
 , 가
 가 . 가 ,
 ziprasidone olanzapine , 가⁴⁾
 olanzapine (oral haloperidol 가
 loading) , ,
 . Benzodiazepine
 , olanza-
 pine .⁵⁾

과거 약물치료

1

급성기 정신병적 증상

, , ,
 (, benzodiazepine 30~60
).^{6,7)}
 .⁸⁾
 가 ,
 Haloperidol fluphenazine 가
 가²⁾ ,
 가³⁾ ,
 가 , 가 ,
 가 가 ,
 가⁹⁾ ,
 .²⁾
 , 가

haloperidol 100 mg
¹⁰⁾
 10 mg haloperidol
¹¹⁾
^{12,13)}
^{10,12-15)} 1

비정형 항정신병 약물(Olanzapine 제외)

clozapine, risperidone, olanzapine, quetiapine,
 ziprasidone, aripiprazole . olanzapine
 olanzapine, 가
 aripiprazole

1. Risperidone
 Currier ¹⁶⁾ 2 mg risperidone 2
 mg lorazepam 5 mg haloperidol
 2 mg lorazepam
 , risperidone
 haloperidol
 Pajonk ¹⁷⁾ 1,117
 6 risperidone PANSS
 CGI, BPRS , 가
 가
 . Emsely McCreadie ¹⁸⁾ 6 가
 halo-
 peridol risperidone haloperidol
 PANSS
 (63% 56%)

2. Quetiapine
 Chengappa Goldstein ¹⁹⁾ quetiapine,
 haloperidol que-
 tiapine haloperidol
 . McManus ²⁰⁾ 65
 151 12
 , BPRS CGI -
 가 AIMS

risperidone olanzapine quetiapine
 가 가 Raja Azzoni
²¹⁾ risperidone olanzapine
 quetiapine 가

3. Ziprasidone
 Ziprasidone
 ziprasidone 가
 . Brook ²²⁾ ziprasidone
 haloperidol
 가 . Brook Lucey
²³⁾ ziprasidone BPRS
 BPRS , CGI -
 haloperidol

Olanzapine

1. 근주형 olanzapine
 olanzapine
 olanzapine

Olanzapine

olanzapine
olanzapine

olanzapine haloperidol
24 (PANSS - EC - 7.1[4.8] vs - 6.7[4.3],)

1) Wright 등의 연구²⁴⁾

olanzapine 10 mg, haloperidol 7.5 mg,
1~3 , PANSS - EC 2
가 가 (agitated behavior scale, ABS ;
agitation calmness evaluation scale, ACES)
PANSS - EC olanzapine
haloperidol 2~24

([4.8] vs - 1.3[4.4],) halope-
ridol olanzapine
(4.3% vs 0%, ; p=0.026) (5.2%
vs 0%, ; p=0.013) . Olan-
zapine haloperidol
(6.5% vs 18.5%, ; p=0.015).

olanzapine haloperidol 15
(- 4.1 - 2.4, p<0.001), 30 (- 6.3 - 4.3, p<0.001), 45 (- 7.6 - 6.2, p=0.01)
olanzapine haloperidol
가 가
, olanzapine
loperidol 7% 가 , ha-
(p=0.001). QTc interval

3) Breier 등의 연구²⁶⁾

24 olanzapine (2.5,
5.0, 7.5, 10.0 mg) haloperidol(7.5 mg),
1~3
olanzapine 가
2 PANSS - EC
가 . 24
가 , olanzapine
(F=14.4, p<.001). Olanzapine 2
PANSS - EC (2.5 mg= - 5.5 ;
5.0 mg= - 8.1 ; 7.5 mg= - 8.7 ; 10.0 mg= - 9.4)가
(- 2.9 ; olanzapine 2.5 mg p=.01 ; olanzapine
p<.001) , halope-
ridol (- 7.5) . 5.0, 7.5, 10.0 mg
olanzapine 30
, 가
, QTc interval
haloperidol
2.5(p=.03), 5.0(p=.03), 7.5 mg(p=.01)
olanzapine(0%) (0%)(p=.01)
parkinsonism

2) Wright와 Meehan 등의 연구²⁵⁾

24 10 mg olanzapine 7.5 mg halo-
peridol 1~3 , 4
(5~20 mg/day).
, PANSS -
EC 가 . EPS 가
가 . 311 (204 , 107
; 38.2)가 (olanzapine 131
, haloperidol 126 , 54), olanzapine
93.1%(122/131) haloperidol 92.1%
(116.126)가
; Olanzapine 85.5%(112/131)
haloperidol 84.1%(106/126)가

4) Lindborg 등의 연구²⁷⁾

QTc

QTc interval : 4 (15 mg 11, 20 mg 43, 25 mg 2, 30 mg 1). CGI care score, tranquilization score, 4

olanzapine (2.5~10 mg), haloperidol (7.5 mg), olanzapine 2 24

haloperidol database QTc interval 3 ms olanzapine 가 , QTc interval olanzapine 가 . olanzapine (ha-loperidol - database 3% , - database 12%) (endpoint 99%tile 500 ms) (60 ms 가) QTc interval

olanzapine ,

QTc interval profile

2. Olanzapine의 초기 급격 증량(oral loading)

olanzapine haloperidol

olanzapine haloperidol 20 mg 24

1 , PANSS agitation subscale 가 ,

1 PANSS agitation score (-5.79±6.30 for olanzapine, -4.89±6.05 for haloperidol, p<.001).

lorazepam 가 , halo-

peridol (67.3% vs. 85.4%, p=.038).

Karagianis ²⁸⁾ 57

10 mg olanzapine (15 mg 11, 20 mg 43, 25 mg 2, 30 mg 1).

CGI care score, tranquilization score, 4

olanzapine (20 mg 20 mg)

4 20 mg olanzapine (14.74 mg 16.88 mg), ()

() . Baker

⁵⁾ 148 가 ; (rapid initial dose escalation, RIDE) 1 2 olanzapine 40 mg , 3 4 30 mg , 5~20 mg . (usual clinical practice, UCP) 1 2 10 mg olanzapine 4 mg lorazepam , 3 4 10 mg olanzapine 2 mg lorazepam , olanzapine 5~20 mg . 24 PANSS - EC가 (overt agitation severity scale, OASS ; CGI - Agitation) 가 . (7.01 ± 0.5 : 5.51 ± 0.46, p<0.0001), RIDE UCP (p=0.006). (p=0.004).

결 론

Olanzapine

가
 , lorazepam
 가
 olanzapine
 olanzapine haloperidol
 , oral loading
 olanzapine oral loading
 중심 단어 : Olanzapin.

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