

Cisapride에 의해 유발된 Torsades de Pointes

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A Case of Torsades de Pointes Induced by Cisapride

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ABSTRACT

Torsades de pointes, a polymorphic ventricular tachycardia associated with prolonged QT interval, is a well-known life-threatening arrhythmia, which has been found to be induced by various causes such as drugs, electrolyte imbalances, and severe bradycardia. Cisapride is a gastrointestinal prokinetic drug, which is widely used to treat gastroesophageal reflux disease or other functional gastrointestinal disorders. Cisapride can cause torsades de pointes and cases of torsades de pointes induced by cisapride have been reported in other countries. Cases of torsades de pointes associated with antihistamine drugs have been reported in Korea, however, cisapride-induced torsades de pointes case has not been reported. We report a case of 31 year-old female patient who experienced repeated loss of consciousness due to cisapride-induced torsades de pointes. (**Korean Circulation J 1999;29(2):994-998**)

KEY WORDS : Torsades de pointes · Cisapride.

ganglionic nerve endings)

서 론

Torsades de pointes 가 7) QT

가 QT 1)2) 7-11) 가 .

‘ , ‘ . cisapride QT 1

torsades de pointes

3-6) Cisapride .

(myenteric plexus) (post -

: 1999 4 12

: 1999 9 1

: , 120 - 749 134 31 가

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증 례

2

tonic deviation

8

cephalosporine (cefazoline 1 g/day) 가
 (Fig. 1) 가
 가 7 cisapride (Fig. 1).
 (30 mg/day) digestant가
 4 가 가

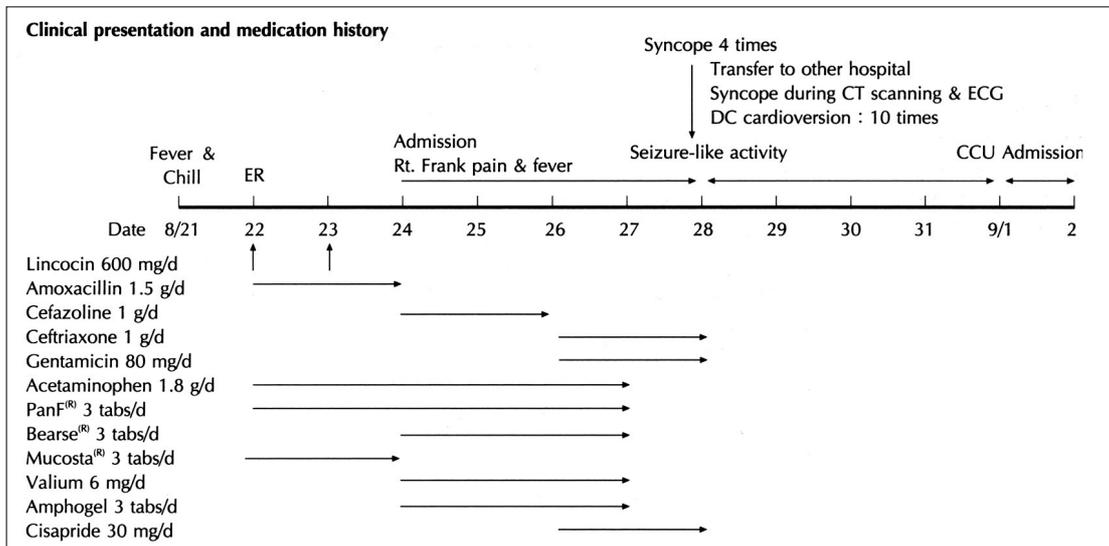


Fig. 1. Clinical presentation and drug history of the patient.

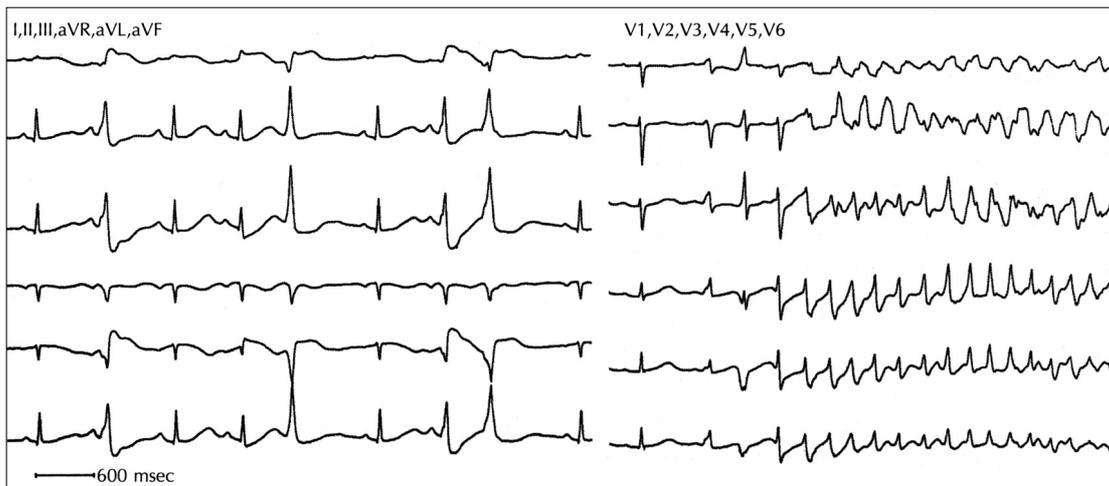


Fig. 2. Onset of polymorphic ventricular tachycardia. The QT interval was markedly prolonged and fast, polymorphic ventricular tachycardia was initiated with "long-short sequence".

가 (Fig. 2). (twist) (Fig. 2)
 torsades de pointes
 (Na⁺140 mEq/L, K⁺ 3.9 mEq/L, MgSO₄ 2 g
 Cl⁻ 108 mEq/L, Ca⁺⁺ 4.6 mg/dl, Mg⁺⁺ 2.3 mg/dl),
 3.2 g/dl isoprote - renol 20 mg
 AST 69 IU/L, ALT 51 IU/L, alkaline phosphatase 112 IU/L 가 isoprote - renol 2 g 120
 QT msec QTc msec 560 msec, 666 msec isoprote - renol 가 2
 (Fig. 3). 가
 QRS complex가

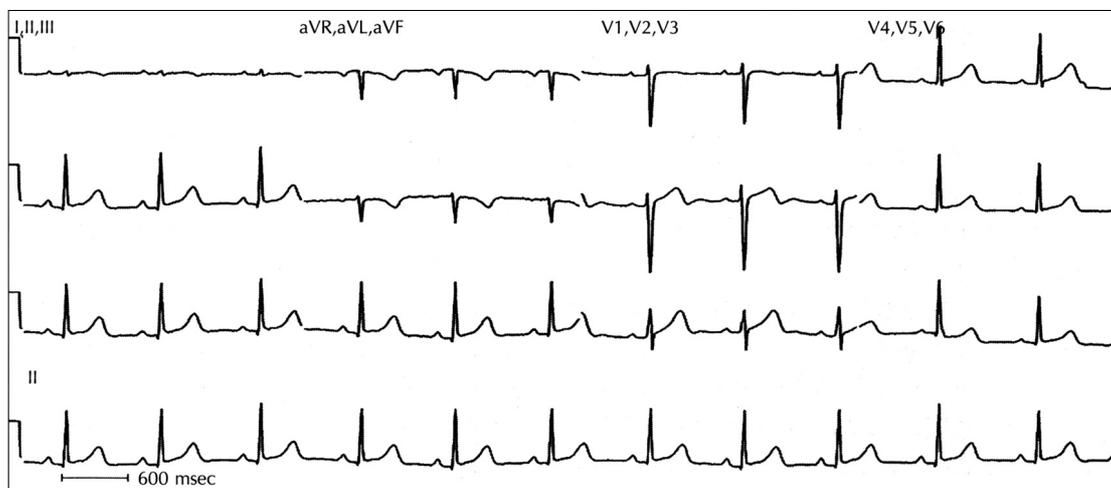


Fig. 3. Resting state 12 lead ECG on ER arrival. The QT interval was markedly prolonged (QT interval 560 msec, corrected QT interval 666 msec).

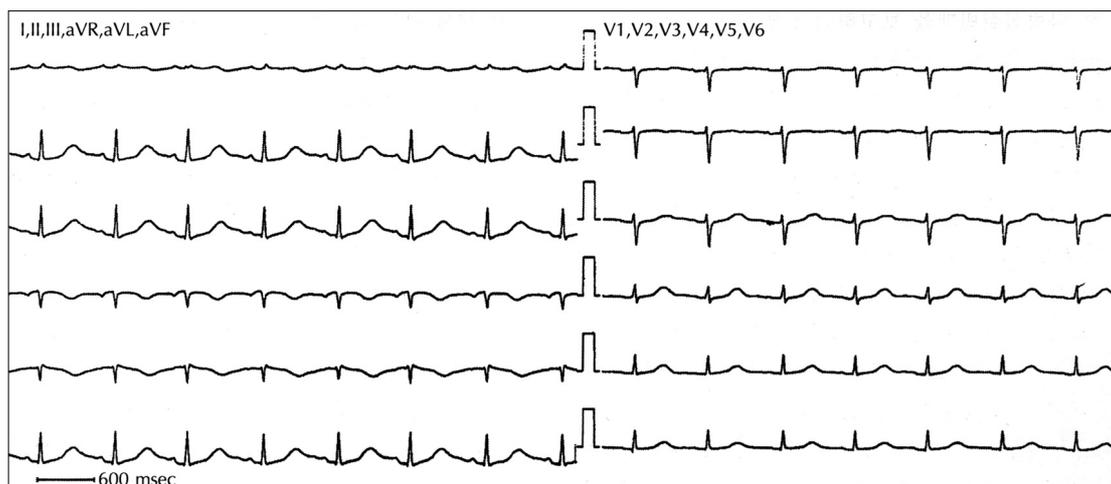


Fig. 4. 12 lead ECG before discharge. The QT interval was normalized (QT interval 412 msec, corrected QT interval 432 msec) 4 days after discontinuation of cisapride.

cisapride 가
Torsades de pointes 가
가
MgSO₄ 2~4 g
3~20 mg 24)
isoproterenol
가
(action potential duration)
Torsades de pointes 가
QT
가
cisapride가
torsades de pointes
가
가
요 약
cisapride QT
torsades de pointes가
isoproterenol
1

중심 단어 : Cisapride · Torsades de pointes.

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