

Ergonovine 부하 심초음파 검사중 발생한 심정지 1예

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Heart Arrest Caused by Ergonovine Stress Echocardiography

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ABSTRACT

Recent reports have suggested that ergonovine stress echocardiography is a safe and accurate procedure for the diagnosis of coronary vasospasm. We experienced a case of heart arrest caused by ergonovine stress echocardiography. A 44 year-old female patient was referred to our emergency room for evaluation of chest pain. She had been admitted to another hospital complaining of chest pain and syncope. The finding of a coronary angiogram was normal and an ergonovine stress echocardiography was performed in order to diagnose the coronary vasospasm, which may be an etiologic mechanism in an unstable angina. After 250 μ g of ergonovine was administered intravenously, we suspected segmental wall motion abnormality (hypokinesia of the inferior wall). An additional dose (100 μ g) was administered to confirm the diagnosis. The patient complained of severe chest pain and dizziness. Segmental wall motion abnormalities progressed and heart arrest finally developed. She recovered following cardiopulmonary resuscitation and was discharged without complication. (Korean Circulation J 2002;32(4):359-362)

KEY WORDS : Coronary vasospasm ; Echocardiography, stress ; Ergonovine ; Heart arrest.

서 론

⁵⁾ Ergonovine

gonovine maleate
가
⁴⁾ ergonovine
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er -
¹⁻³⁾
⁶⁾⁷⁾ ergonovine

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증 례

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nitrate

ergonovine
Ergonovine 250 μ g

120/80 mmHg,

36.6 , 60 / , 24 /

6,940/mm³,

14.5 g/dL, 42%, 347,000/mm³

193 mg/dL, AST 19 IU/L, ALT 16 IU/L, LDH 452 IU/L, CPK 40 IU/L, CK - MB 13 IU/L, LDH 360 U/L, Troponin - I 0.3 ng/mL

trogllycerin

hrine

10

6

troponin - I

(Fig. 1).

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, atropine epinep -

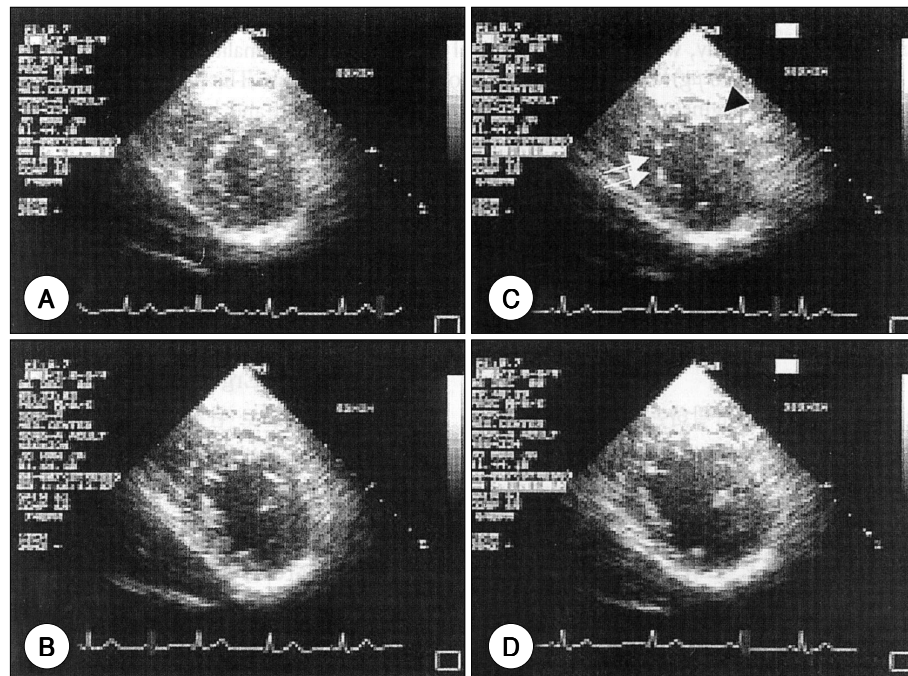


Fig. 1. Transthoracic ergonovine stress echocardiography. Basal parasternal short axis view with normal wall motion, systole (A) and diastole (B). Inferior wall akinesia (white arrows) and anteroseptal hypokinesia (black arrowhead) were noted after 350 μ g intravenous injection (C, D).

고 찰

1949 Stein⁸⁾ ergonovine 가 ergonovine nitroglycerin
1975 Heupler⁹⁾ ycerin ergonovine
ergonovine maleate
. Ergonovine maleate
10)11)
5)12)
. Ergonovine 50
μg 가 100 μg
nitroglycerin 가
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M
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요 약

중심 단어 : ; Ergonovine ;
ine ;

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