

네비볼롤을 투여받는 환자에서 발행한 윙문근융해증

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A Case of Rhabdomyolysis in a Patient Taking Nebivolol

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Introduction: There are various causes of rhabdomyolysis. Recently a lot of medicines and substances including statin, antihypertensive, acetaminophen, ethanol, and cocaine have been reported as causes of rhabdomyolysis. In antihypertensive agents, it was reported that beta-blocker such as labetalol, pindolol, xamoterol, and oxprenolol could be a toxic myopathy in which induced muscle cramps, pain and muscle enzyme elevation. Nebivolol was known as selective b1-blocker with nitric oxide-potentiating vasodilatory effect in comparison with other beta blocker. There is no report of nebivolol induced rhabdomyolysis. We report a patient taking nebivolol who developed rhabdomyolysis.

Case: A 75-years old woman was visit emergency room with generalized weakness. She was diagnosed hypertension at 11 years ago and severe cardiovascular disease (3-vessle disease) with coronary artery bypass graft at 4 years ago. She had complained of generalized weakness from 2 weeks ago; remotely, from 1 month ago which time of medication change carvedilol 12.5 mg to nebivolol 5 mg. she had no other life style change for example, trauma history, severe exercise, burn, and diet except change medication carvedilol 12.5 mg to nebivolol 5 mg at 1 month ago. In emergency room, her urine showed dark color. Her blood chemistry was blood urea nitrogen 56.8 mg/dL, creatinine 1.3 mg/dL, creatine kinase 37,399 U/L, lactate dehydrogenase 6,541 IU/L, aspartate aminotransferase 1,166 IU/L, alanine aminotransferase 769 IU/L. Whole body bone scan showed increased tracer uptake in the abdominal wall, both thigh, both deltoid muscles, and right teres muscles. She was diagnosed as drug-induced rhabdomyolysis arise from newly prescribed nebivolol. She was admitted and treated with massive hydration and urine alkalization. At 12th admission day, her blood chemisty showed creatinine 0.8 mg/dL, creatinine kinase 138 U/L, LDH 1,022 IU/L. And generalized weakness was fully recovered. At 13th admission day, she discharged. She was prescribed carvedilol 12.5mg for beta-blockor.

Key Words: Nebivolol, Rhabdomyolysis