

Abstract

Cardiac rupture due to Blunt Injury

Jin Hee Lee, M.D., Yoo Sang Youn, M.D.,
In Cheol Park, M.D., and Seung Ho Kim, M.D.

Department of Emergency Medicine, Yonsei University College of Medicine, Seoul, Korea

Blunt injury to the heart ranges from a contusion to a cardiac rupture. Cardiac rupture, however, is uncommon and is associated with a very high mortality rate. We experienced a case of right atrial rupture caused by a compression to the chest wall. The patient was a 19-year-old male who suffered injury by being crushed under an elevator. We suspected cardiac tamponade caused by cardiac rupture with profound shock, elevated central venous pressure, and anterior chest wall bruise. Rapid diagnosis was done by using emergency sonography. Percutaneous pericardiocentesis was done. The patient was sent to O.R., and the right atrial rupture was repaired with a simple suture.

Key Words: Cardiac rupture, Cardiac tamponade, Percutaneous pericardiocentesis, Emergency sonography

가 .

(1).

(2).

가 .
가 ,

, ,

:

가
 가
 2 55
 2500
 cc
 5
 AV
 groove 7 cm
 19 35
 가
 가
 3
 , GCS 13 (E4V4M5)
 100/70 mmHg, 131
 30 4 cm
 가
 가
 1862 Berard가
 가
 1955 DesForges
 (3).
 가
 Fulda (4) 59
 51%
 , 24% . Martin
 가
 (5)
 ,
 1995 (6)
 , 가 pH 7.112, pCO₂ 49 mmHg,
 pO₂ 56.7 mmHg, SaO₂ 77.9% . 10 가 (2,7).
 50 mmHg 가
 160 가
 23 cm
 H₂O 가
 (8).
 300 cc
 80 mmHg 가 110
 가 가

