

An Autopsy Case of Blunt Chest Trauma from a Traffic Accident Complicated by Chest Compression Due to Resuscitation Attempts

Authors : Satoshi Furukawa, Satomu Morita, Katsuji Nishi, Masahito Hitosugi

Abstract : Coronary artery dissection leading to acute myocardial infarction after blunt chest trauma is extremely rare. A 67-year-old woman suffered blunt chest trauma following a traffic accident. The electrocardiogram revealed acute posterior ST-segment elevation and myocardial infarction and coronary angiography demonstrated acute right coronary artery dissection. Following the death of the victim an autopsy was performed after cardiopulmonary support had been carried out. In this case report, we describe the case of a woman with blunt chest trauma, who developed an acute myocardial infarction secondary to right coronary artery dissection. Although there was additional the blunt chest trauma due to chest compression, we confirmed the injury at autopsy and by histological findings.

Keywords : blunt chest trauma, right coronary artery dissection, coronary angiography, autopsy, histological examination

Conference Title : ICEM 2015 : International Conference on Emergency Medicine

Conference Location : Montreal, Canada

Conference Dates : May 11-12, 2015