

Migration of a Kirschner wire into ascending aorta

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Migration of a kirschner wire is a rare complication that mostly results in severe organ injury, especially in heart and great vessels [1]. Therefore, such conditions almost require immediate surgical removal of the wires. We describe a case of a male patient whose ascending aorta has been penetrated by kirschner wire used for fixation a right clavicle fracture. Notably, the complication was found by thoracic MSCT without severe neurological or hemodynamic symptoms.

Key words: Kirschner wire, penetrating ascending aorta.

Introduction: Osteosynthesis in cases of fractures is a routine clinical indication in trauma-orthopedic speciality. Depending on the specific situation, the prothesis and methods of osteosynthetic method will be selected. Kirschner wire is the most commonly used means in the fracture of small bone and is often used in combination with other osteosynthetic prothesis, such as in the case of this joint dislocation. Although it is very rare in clinical practice, serious surgical complications have been recorded in the literature due to the movement of the osteosynthetic prothesis, such as piercing into the chest, spine, esophagus, lungs, trachea, even into the heart and into the great blood vessels [2][3].

Biography

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