A Rare Case of Primary Pericardial Malignant Mesothelioma that was Difficult to Differentiate Preoperatively from a Mediastinal Tumor

Yasuhiro YOSHIDA[1], Yoshihumi MAKIMOTO[1], Sousei ABE[1], Asahi NAGATA[1], Sou MIYAHARA[1) 3)], Wakako HAMANAKA[1], Jun YANAGISAWA[1], Daisuke HAMATAKE[1], Masahumi HIRATSUKA[1], Yasuteru YOSHINAGA[1], Takeshi SHIRAISHI[1], Makoto HAMASAKI[2], Kazuki NABESHIMA[2) 3)] and Akinori IWASAKI[1]

[1)] *Department of General Thoracic, Breast, Endocrine, and Pediatric Surgery, Faculty of Medicine, Fukuoka University*

[2)] *Department of Pathology, Fukuoka University Hospital*

[3)] *Department of Pathology, Faculty of Medicine, Fukuoka University*

Abstract：Primary pericardial malignant mesothelioma is rare disease occurring in 0.7-2.0% of all mesotheliomas. A 69-year-old female was admitted to Fukuoka University Hospital under a diagnosis of cardiac tamponade due to a mediastinal tumor. Her chest X-ray and CT examinations showed a large mass at the base of the heart and massive pericardial and bilateral pleural effusion. A cytological examination of the pericardial and pleural effusion did not revealed the presence of atypical cells. A mediastinal tumor biopsy by thoracoscopyled to a diagnosis of malignant mesothelioma. We attempted to resect the tumor, butended upperforming a pericardiectomydue to tumor adherence to the ascending aorta and main pulmonary artery.

Key words：**Pericardial mesothelioma**, **Malignant mesothelioma**, **Cardiac Tamponade**, **Mediastinal tumor**