

Surgical Resection of a Huge Mediastinal Schwannoma after Preoperative Embolization

Takeshi SHIRAISHI^{1,3}, Ken HACHIMINE^{1,3}, Daisuke MATSUZOE^{1,3}, Hirofumi NAKAYAMA²,
Koichi OHKUBO², Katsunobu KAWAHARA³ and Takayuki SHIRAKUSA³

¹ *Departments of Thoracic Surgery and* ² *Radiology, Imakiire General Hospital, Kagoshima, and* ³ *Department of Surgery II, Fukuoka University School of Medicine, Fukuoka, Japan*

Abstract : We present a case who underwent a surgical resection of a huge mediastinal schwannoma after arterial embolization of the tumor-feeding artery to minimize the risk of hemorrhagic complications during the surgical procedure. The difficulty of surgically exposing the tumor was presupposed ; hence, uncontrollable bleeding during the surgical procedure was anticipated. A total en-block resection of the tumor was successfully performed without any massive bleeding. The use of preoperative embolization in the management of mediastinal tumors may help surgeons to safely perform a surgical resection when a poor surgical exposure and extensive surgical bleeding are anticipated.

Key words : Mediastinal tumor, Surgical resection, Embolization, Schwannoma