## Long-term survival after salvage surgery for invasive thymoma with intracardiac extension

Ugo Pastorino<sup>1</sup>, Xue Ning Yang<sup>1</sup>, Massimo Francese<sup>1</sup>, Sava Durkovic<sup>1</sup>, and Paolo Biglioli<sup>2</sup>

<sup>1</sup>Division of Thoracic Surgery,Fondazione IRCCS Istituto Nazionale dei Tumori, Milan;

## ABSTRACT

We report a case of successful salvage surgery for invasive thymoma initially judged to be unresectable that did not respond to sequential chemoradiotherapy. The patient underwent en bloc resection of the tumor, superior vena cava, upper portion of the right atrium (RA) and intracardiac neoplastic thrombus with the aid of a cardiopulmonary bypass without cardiac arrest. The patient is disease free 8.5 years after radical thymectomy and subsequent resection of 2 second primary lung adenocarcinomas.

**Key words:** thymoma, superior vena cava syndrome, en bloc resection, cardiopulmonary bypass.

Correspondence to: Dr Ugo Pastorino, Division of Thoracic Surgery, Fondazione IRCCS Istituto Nazionale dei Tumori, Via Venezian 1, 20133 Milan, Italy.

Tel +39-02-23902906; fax +39-02-23902907; e-mail ugo.pastorino@istitutotumori.mi.it

Received July 21, 2008; accepted August 30, 2008.

<sup>&</sup>lt;sup>2</sup>Division of Cardiac Surgery, Centro Cardiologico Monzino, Milan, Italy