Lung cancer is a major public health problem of growing importance throughout the world with frustrating long-term survival of under 15%. A majority of patients are unresectable at time of diagnosis, and even in those deemed operable, comorbid problems often limit efforts at successful resection. Procedures designed to preserve pulmonary function demand special skills and ingenuity.

In this issue of *Respiration*, Ohta et al. [1] report their experience with bronchial sleeve and carina resection allowing complete lung preservation. They had two patients with squamous cell cancers and one each of muco-epidermoid and adenoid cystic carcinoma. With an aggressive approach in spite of proximal airway involvement, they were able to avoid sacrifice of lung parenchyma and yet achieve prolonged survival. The rarity of potential candidates for this type of surgery limits the opportunity for any one medical center or surgeon to gain great experience. Ohta et al. found only 4 out of 1,673 patients, or 0.24%, in whom this was possible.

In a collected series from Antwerp, Van Schil [2] found a 5-year survival of 62% in patients with N0 disease, 29% for N1 and 31% in N2 disease after bronchial sleeve resection. A report by Yoshino et al. [3] compared patients treated with pneumonectomy and those undergoing sleeve resection and found no significant difference in survival, suggesting the lung-sparing procedure would have merit for long-term quality of life. Sioris et al. [4] from Helsinki reported 40% 5-year survival after bronchoplastic resection in 28 patients over a 20-year series.

The opportunity for aggressive resection and lung preservation will doubtless remain small. Clearly, careful selection of patients and accurate preoperative staging are critical to minimize risks for postoperative complications and early recurrence of malignancy. However, the experiences noted above argue against a nihilistic approach in these proximally occurring lesions. Pulmonary physicians and oncologists need to maintain an ongoing dialogue and treatment planning with their surgical confreres.

**References**


