中華癌醫會誌 (J. Chinese Oncol. Soc.) 24(5), 328-334, 2008

journal homepage:www.cos.org.tw/web/index.asp

Case Report

Retroperitoneal Paraganglioma Combined with Carotid Body Tumor in an Adolescent

Shen Sun[1], Yi-Shing Leu[2]*

[1]*Division of Cardiovascular Surgery , Department of Surgery, Mackay Memorial Hospital, Taipei, Taiwan*
[2]*Department of Otorhinolaryngology, Mackay Memorial Hospital, Taipei, Taiwan*

Abstract.

Synchronous paraganglioma is a rare neuro-endocrine neoplasm observed in patients of all ages, but it has not been characterized in adolescents. The authors describe a retroperitoneal paraganglioma combined with concomitant carotid body tumor diagnosed in a 17-year-old patient. Traditionally, surgical resection of abdominal paraganglioma involves an exploratory laparotomy, but in this case, laparoscopic resection was done. In this article, we review the literature on multiple paragangliomas and the current treatment.

Keywords **:** Paraganglioma, Carotid body tumor

病例報告

青少年後腹腔副神經節瘤合併頸動脈體瘤

孫珅 [1]　呂宜興 [2]*

[1] *馬偕紀念醫院　心臟血管外科*
[2] *馬偕紀念醫院　耳鼻喉科*

中文摘要

多發性的副神經節瘤是一種稀有的神經-內分泌的腫瘤，在所有年齡層的病人中都曾被觀察到，但是在青少年則少被提及。本文作者描述一位 17 歲的病人，偶然的被診斷出後腹腔副神經節瘤伴隨著頸動脈體瘤。傳統的剖腹探查手術，是腹部副神經節瘤常見的治療方法。在這一個病例中，我們先切除了頸動脈體瘤，另外，使用內視鏡的方式切除了後腹腔副神經節瘤。本篇亦將針對這罕見病例，討論其臨床表現、治療方式及相關文獻回顧。

關鍵字: 副神經節瘤、頸動脈體瘤

INTRODUCTION

Pheochromocytomas and paragangliomas are catacholamine-producing tumors that arise from paraganglia derived from the neural crest. Tumors that arise from cells within the adrenal medulla are defined as pheochromocytomas, whereas tumors arising from the paraganglia located outside the adrenal glands are called paragangliomas or extra-adrenal pheochromocytomas.

Ninety seven percent of paragangliomas are found